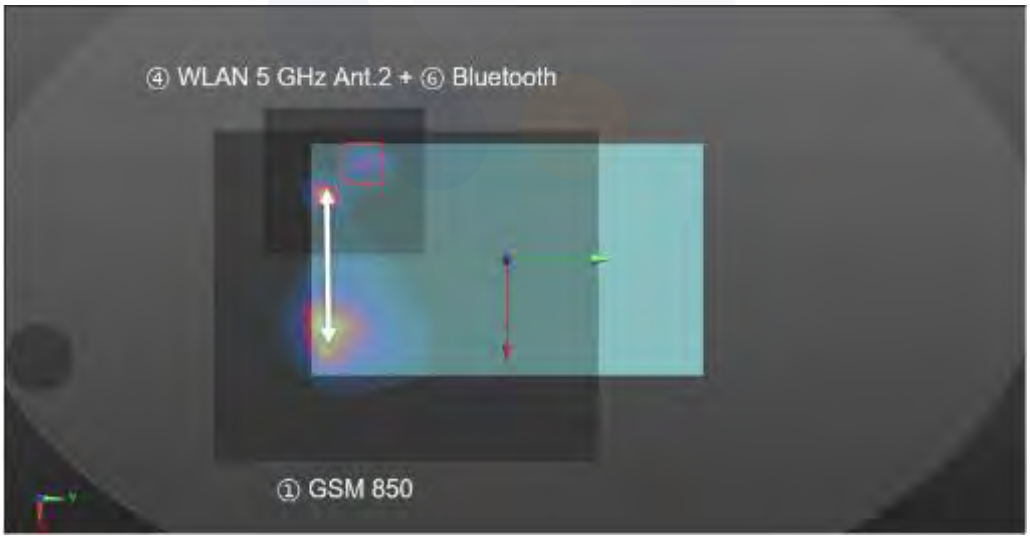
12.4.2.1 GSM 850

licensed	WLAN 2.4 GHz Ant.1	WLAN 2.4 GHz MIMO	WLAN 5 GHz Ant.2	WLAN 5 GHz MIMO	Bluetooth
[①]	[②]	[③]	[④]	[⑤]	[⑥]

GSM 850 SPLSR – Rear Position	
Scenario No.	No.6
Scenario	[①]+[④]+[⑥]
Rear	2.381
Volume scan	Not Required

Scenario No.		Scenario		Position		SUM	
6		[①]+[④]+[⑥]		Rear		2.381	
Distance [mm]	SPLSR ≤ 0.04 Limit	Numbering	Mode	SAR W/kg	Coordinates		
					X	Y	Z
68.36	0.03	①	GSM 850	0.350	0.03310	-0.09700	-0.17800
		④⑥ (Hybird)	WLAN 5 GHz Ant.2 + Bluetooth	1.160	-0.03500	-0.09700	-0.18400

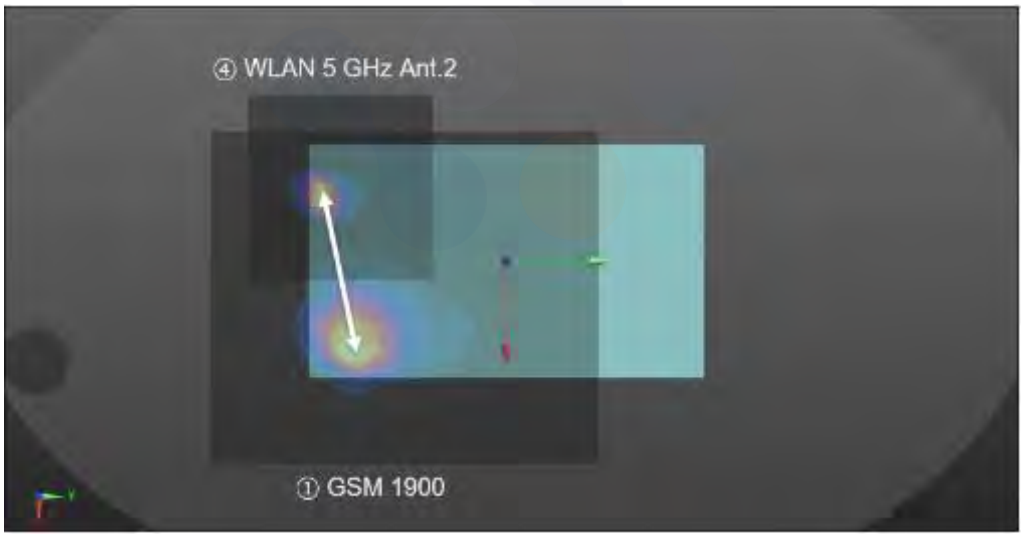


13.4.2.2 GSM 1900

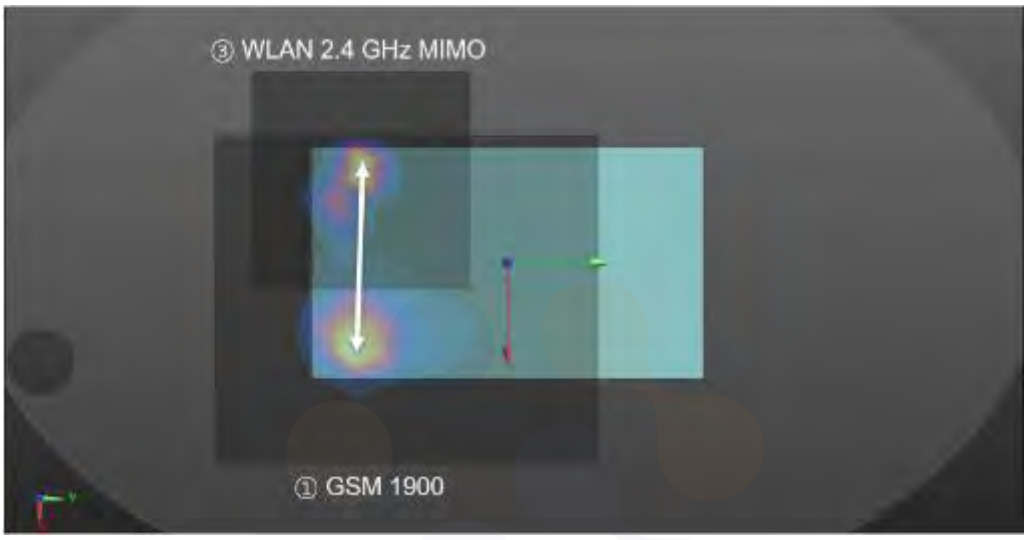
licensed	WLAN 2.4 GHz Ant.1	WLAN 2.4 GHz MIMO	WLAN 5 GHz Ant.2	WLAN 5 GHz MIMO	Bluetooth
[①]	[②]	[③]	[④]	[⑤]	[⑥]

GSM 1900 SPLSR – Rear Position				
Scenario No.	No.3	No.4	No.5	No.6
Scenario	[①]+[④]	[①]+[③]	[①]+[⑤]	[①]+[④]+[⑥]
Rear	1.797	1.765	1.751	2.660
Volume scan	Not Required			

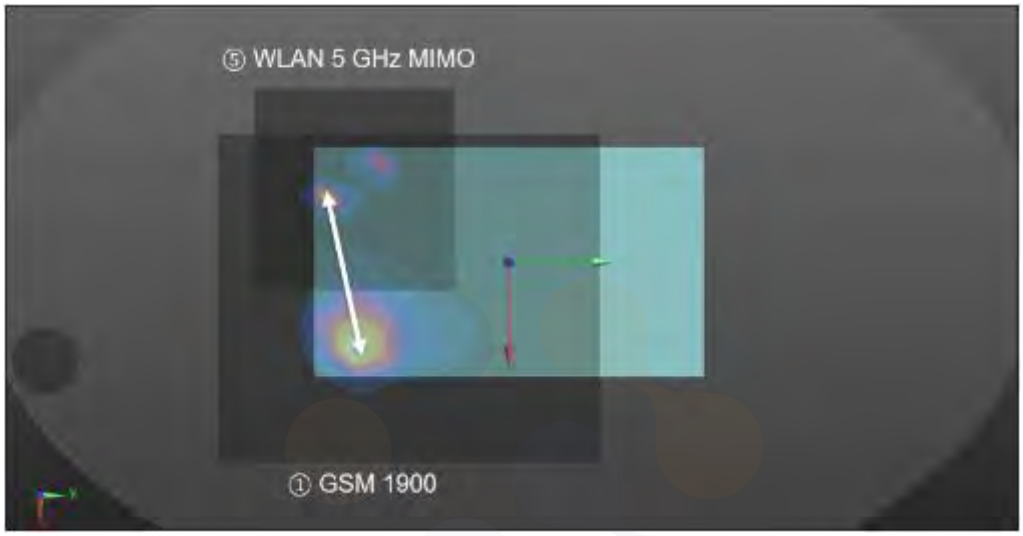
Scenario No.		Scenario		Position		SUM	
3		[①]+[④]		Rear		1.797	
Distance [mm]	SPLSR ≤ 0.04 Limit	Numbering	Mode	SAR W/kg	Coordinates		
					X	Y	Z
81.54	0.03	①	GSM 1900	0.629	0.04710	-0.08670	-0.17800
		④	WLAN 5 GHz MIMO	1.168	-0.03340	-0.09820	-0.18400



Scenario No.		Scenario		Position		SUM	
4		[①]+[③]		Rear		1.765	
Distance [mm]	**SPLSR ≤ 0.04 Limit**	**Numbering**	**Mode**	**SAR W/kg**	**Coordinates**		
					X	**Y**	**Z**
98.88	0.02	①	GSM 1900	0.629	0.04710	-0.08670	-0.17800
		③	WLAN 2.4 GHz MIMO	1.136	-0.05120	-0.07780	-0.18400



Scenario No.		Scenario		Position		SUM	
5		[①]+[⑤]		Rear		1.751	
Distance [mm]	SPLSR ≤ 0.04 Limit	Numbering	Mode	SAR W/kg	Coordinates		
					X	Y	Z
94.90	0.02	①	GSM 1900	0.629	0.04710	-0.08670	-0.17800
		⑤	WLAN 5 GHz MIMO	1.122	-0.04620	-0.10300	-0.18400



Scenario No.	Scenario	Position	SUM
6	[①]+[④]+[⑥]	Rear	2.660

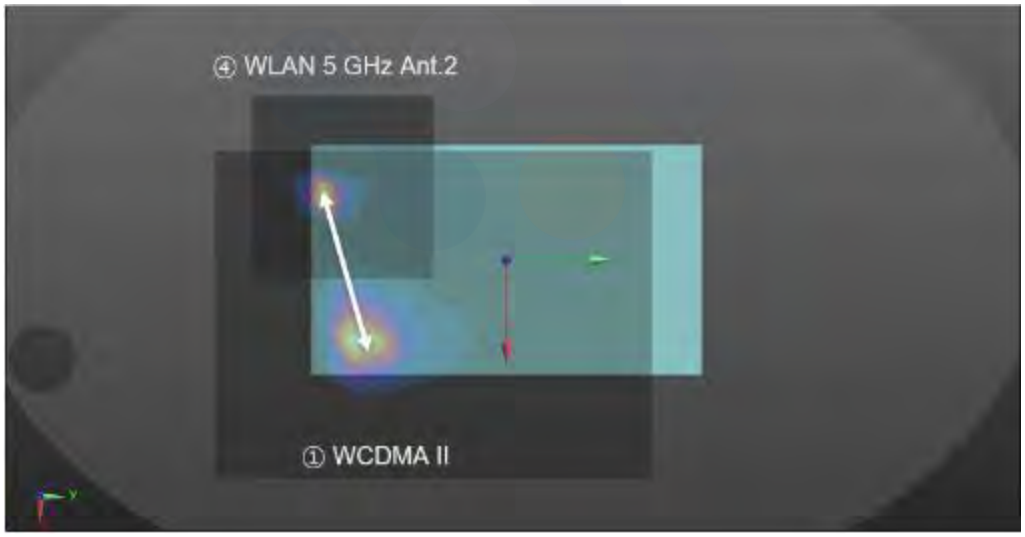
Distance [mm]	SPLSR ≤ 0.04 Limit	Numbering	Mode	SAR W/kg	Coordinates		
					X	Y	Z
82.96	0.03	①	GSM 1900	0.629	0.04710	-0.08670	-0.17800
		④⑥ (Hybird)	WLAN 5 GHz Ant.2 + Bluetooth	1.160	-0.03500	-0.09700	-0.18400

13.4.2.3 WCDMA II

licensed	WLAN 2.4 GHz Ant.1	WLAN 2.4 GHz MIMO	WLAN 5 GHz Ant.2	WLAN 5 GHz MIMO	Bluetooth
[①]	[②]	[③]	[④]	[⑤]	[⑥]

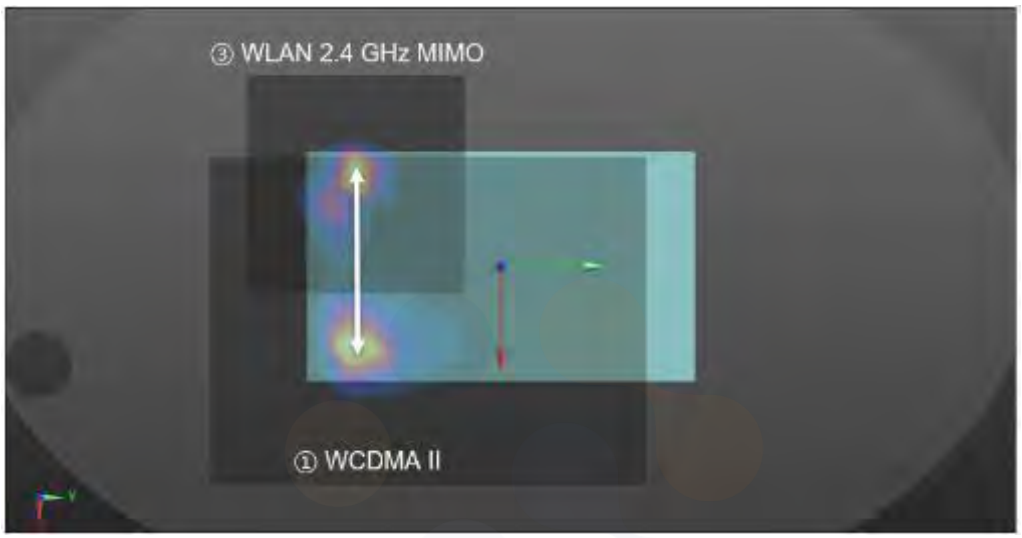
WCDMA II SPLSR – Rear Position				
Scenario No.	No.3	No.4	No.5	No.6
Scenario	[①]+[④]	[①]+[③]	[①]+[⑤]	[①]+[④]+[⑥]
Rear	1.893	1.861	1.847	2.756
Volume scan	Not Required			

Scenario No.		Scenario		Position		SUM	
3		[①]+[④]		Rear		1.893	
Distance [mm]	SPLSR ≤ 0.04 Limit	Numbering	Mode	SAR W/kg	Coordinates		
					X	Y	Z
82.93	0.03	①	WCDMA II	0.04830	-0.08530	-0.17800	0.04830
		④	WLAN 5 GHz Ant.2	-0.03340	-0.09820	-0.18400	-0.03340



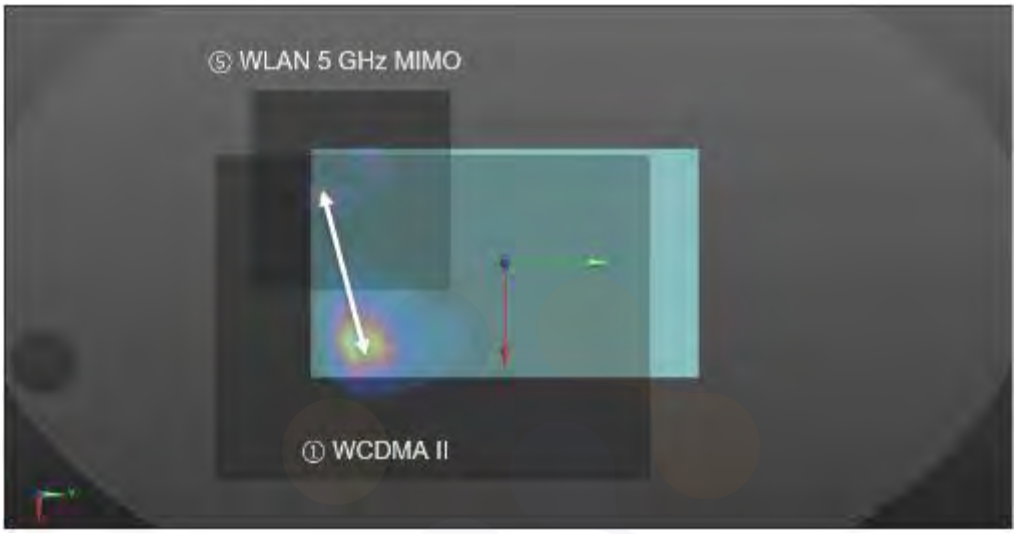
Scenario No.	Scenario	Position	SUM
4	[①]+[③]	Rear	1.861

Distance [mm]	SPLSR ≤ 0.04 Limit	Numbering	Mode	SAR W/kg	Coordinates		
					X	Y	Z
99.96	0.03	①	WCDMA II	0.725	0.04830	-0.08530	-0.17800
		③	WLAN 2.4 GHz MIMO	1.136	-0.05120	-0.07780	-0.18400

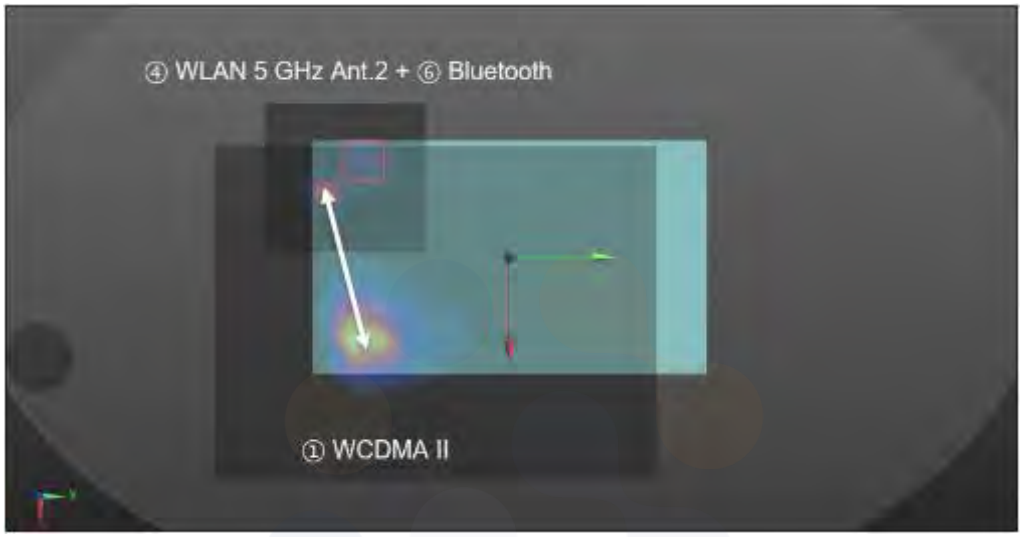


Scenario No.	Scenario	Position	SUM
5	[①]+[⑤]	Rear	1.847

Distance [mm]	SPLSR ≤ 0.04 Limit	Numbering	Mode	SAR W/kg	Coordinates		
					X	Y	Z
96.33	0.03	①	WCDMA II	0.725	0.04830	-0.08530	-0.17800
		⑤	WLAN 5 GHz MIMO	1.122	-0.04620	-0.10300	-0.18400



Scenario No.		Scenario		Position		SUM	
6		[①]+[④]+[⑥]		Rear		2.756	
Distance [mm]	SPLSR ≤ 0.04 Limit	Numbering	Mode	SAR W/kg	Coordinates		
					X	Y	Z
84.33	0.03	①	WCDMA II	0.725	0.04830	-0.08530	-0.17800
		④⑥ (Hybird)	WLAN 5 GHz Ant.2 + Bluetooth	1.160	-0.03500	-0.09700	-0.18400

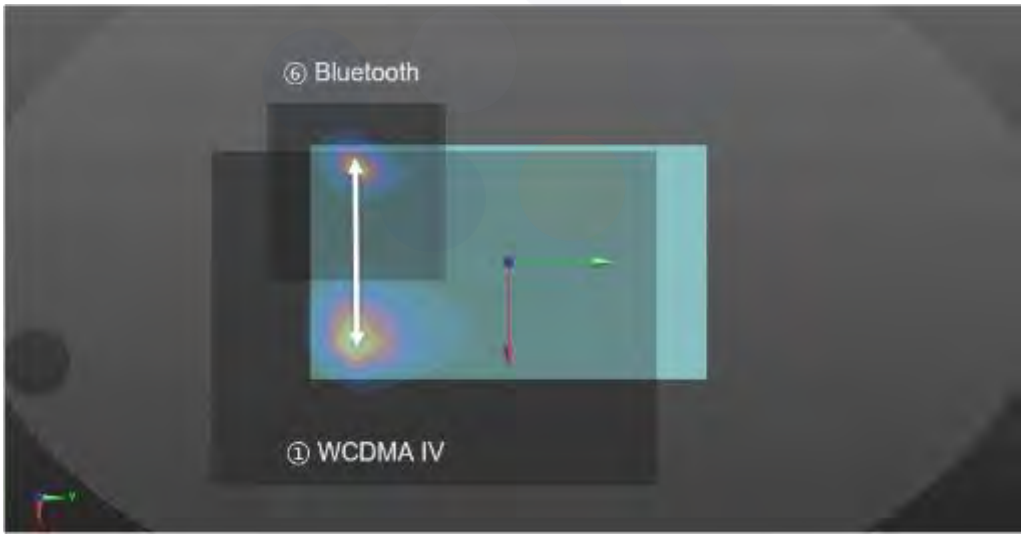


13.4.2.4 WCDMA IV

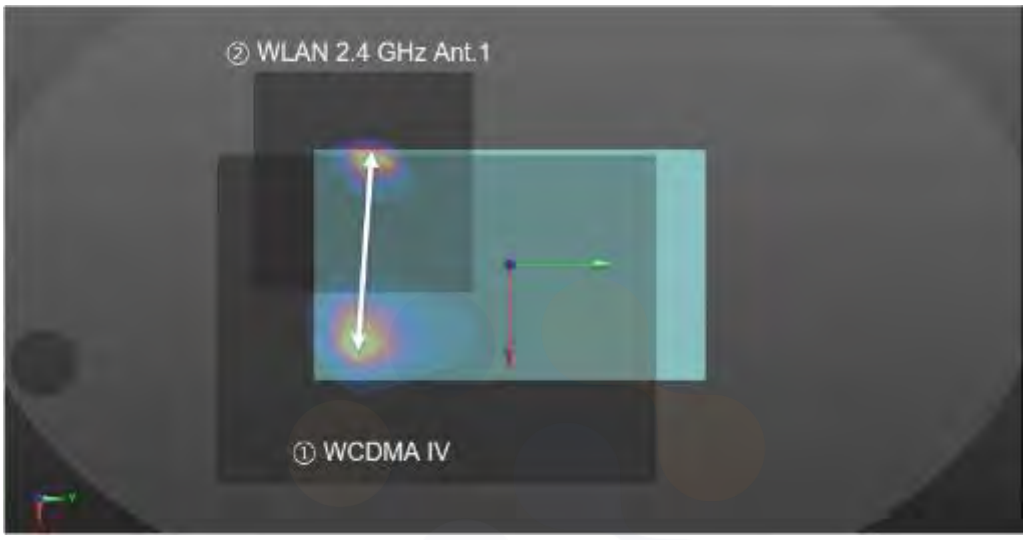
licensed	WLAN 2.4 GHz Ant.1	WLAN 2.4 GHz MIMO	WLAN 5 GHz Ant.2	WLAN 5 GHz MIMO	Bluetooth
[①]	[②]	[③]	[④]	[⑤]	[⑥]

WCDMA IV SPLSR – Rear Position						
Scenario No.	No.1	No.2	No.3	No.4	No.5	No.6
Scenario	[①]+[⑥]	[①]+[②]	[①]+[④]	[①]+[③]	[①]+[⑤]	[①]+[④]+[⑥]
Rear	1.624	1.607	1.929	1.897	1.883	2.792
Volume scan	Not Required					

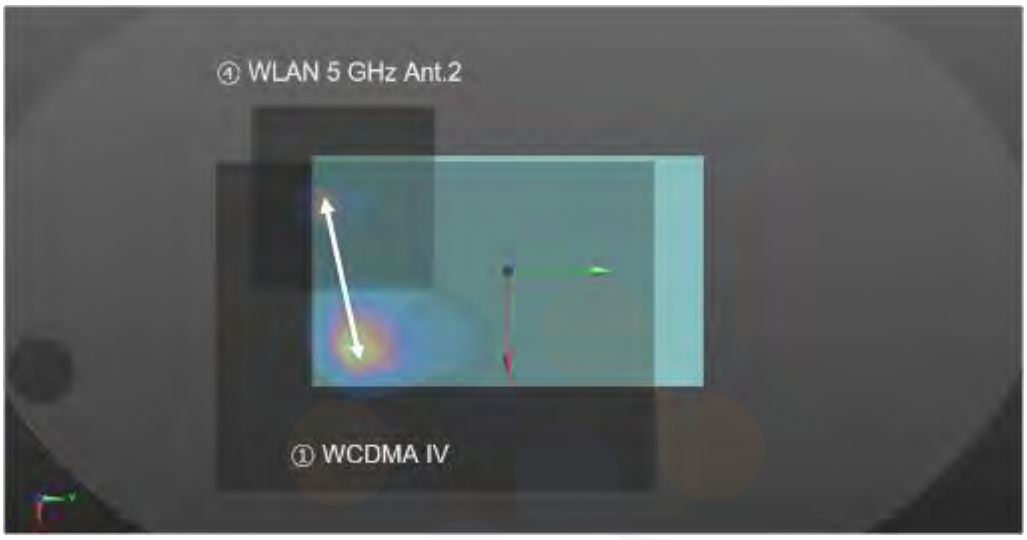
Scenario No.		Scenario		Position		SUM	
1		[①]+[⑥]		Rear		1.624	
Distance [mm]	SPLSR ≤ 0.04 Limit	Numbering	Mode	SAR W/kg	Coordinates		
					X	Y	Z
97.99	0.02	①	WCDMA IV	0.761	0.04530	-0.08680	-0.17800
		⑥	Bluetooth	0.863	-0.05220	-0.08000	-0.18500



Scenario No.		Scenario		Position		SUM	
2		[①]+[②]		Rear		1.607	
Distance [mm]	SPLSR ≤ 0.04 Limit	Numbering	Mode	SAR W/kg	Coordinates		
					X	Y	Z
98.63	0.02	①	WCDMA IV	0.761	0.04530	-0.08680	-0.17800
		②	WLAN 2.4 GHz Ant.1	0.846	-0.05260	-0.07640	-0.18400

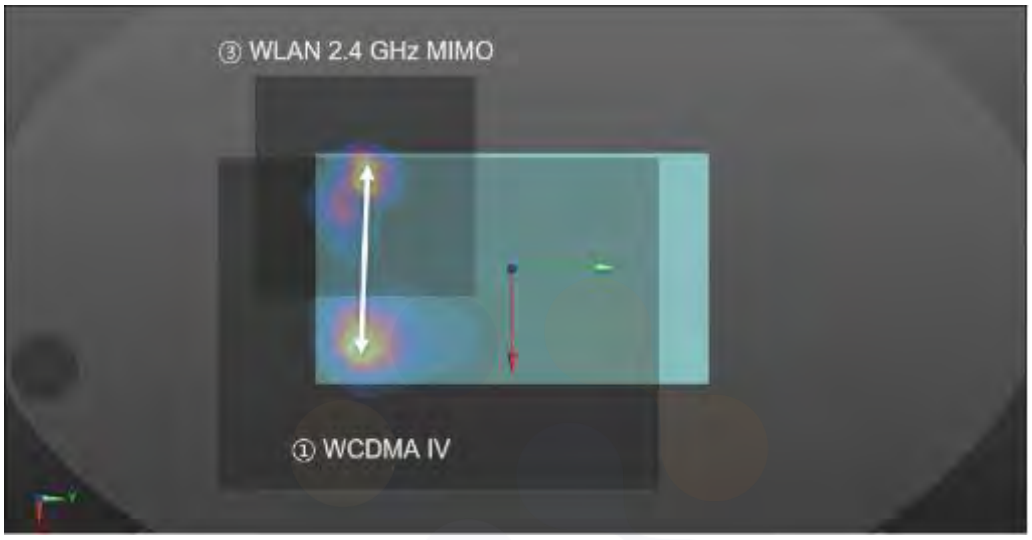


Scenario No.		Scenario		Position		SUM	
3		[①]+[④]		Rear		1.929	
Distance [mm]	SPLSR ≤ 0.04 Limit	Numbering	Mode	SAR W/kg	Coordinates		
					X	Y	Z
79.75	0.03	①	WCDMA IV	0.761	0.04530	-0.08680	-0.17800
		④	WLAN 5 GHz Ant.2	1.168	-0.03340	-0.09820	-0.18400

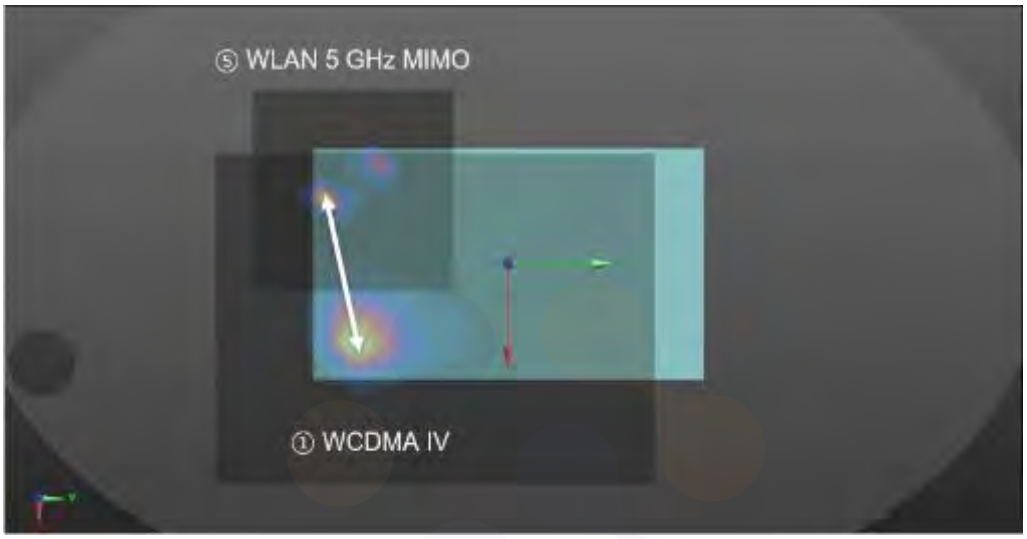


Scenario No.	Scenario	Position	SUM
4	[①]+[③]	Rear	1.897

Distance [mm]	SPLSR ≤ 0.04 Limit	Numbering	Mode	SAR W/kg	Coordinates		
					X	Y	Z
97.10	0.03	①	WCDMA IV	0.761	0.04530	-0.08680	-0.17800
		③	WLAN 2.4 GHz MIMO	1.136	-0.05120	-0.07780	-0.18400

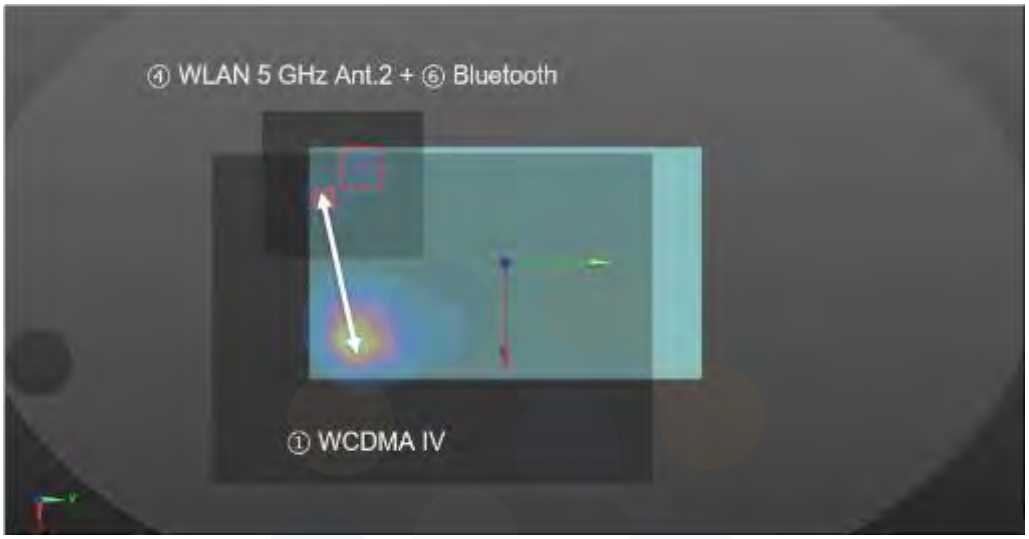


Scenario No.		Scenario		Position		SUM	
5		[①]+[⑤]		Rear		1.883	
Distance [mm]	SPLSR ≤ 0.04 Limit	Numbering	Mode	SAR W/kg	Coordinates		
					X	Y	Z
93.12	0.03	①	WCDMA IV	0.761	0.04530	-0.08680	-0.17800
		⑤	WLAN 5 GHz MIMO	1.122	-0.04620	-0.10300	-0.18400



Scenario No.	Scenario	Position	SUM
6	[①]+[④]+[⑥]	Rear	2.792

Distance [mm]	SPLSR ≤ 0.04 Limit	Numbering	Mode	SAR W/kg	Coordinates		
					X	Y	Z
81.17	0.03	①	WCDMA IV	0.761	0.04530	-0.08680	-0.17800
		④⑥ (Hybird)	WLAN 5 GHz Ant.2 + Bluetooth	1.160	-0.03500	-0.09700	-0.18400

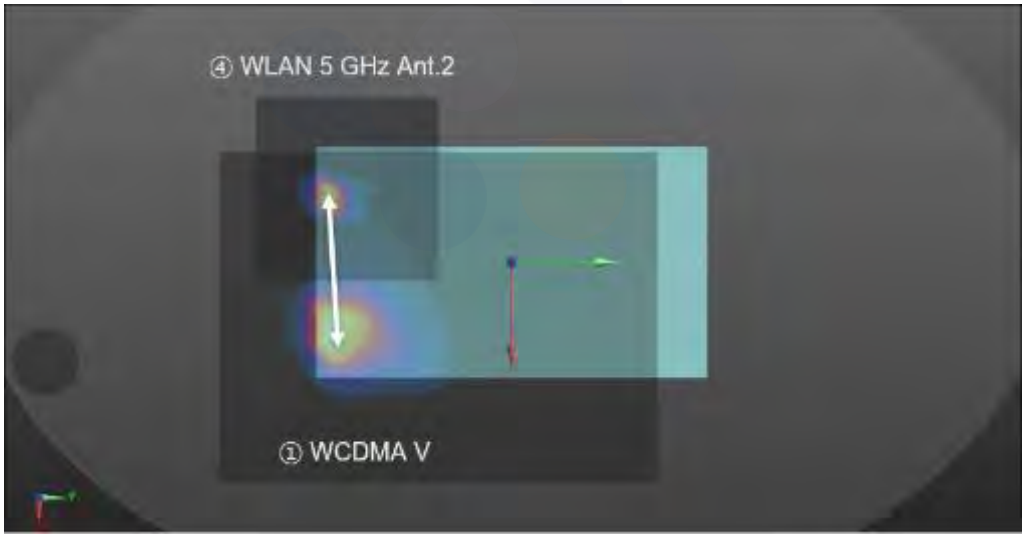


13.4.2.5 WCDMA V

licensed	WLAN 2.4 GHz Ant.1	WLAN 2.4 GHz MIMO	WLAN 5 GHz Ant.2	WLAN 5 GHz MIMO	Bluetooth
[①]	[②]	[③]	[④]	[⑤]	[⑥]

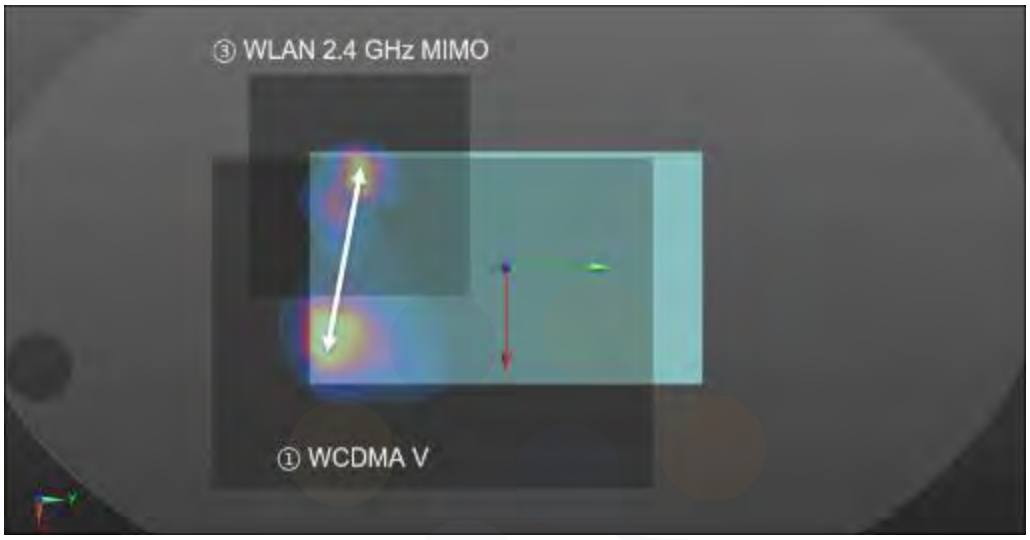
WCDMA V SPLSR – Rear Position			
Scenario No.	No.3	No.4	No.6
Scenario	[①]+[④]	[①]+[③]	[①]+[④]+[⑥]
Rear	1.639	1.607	2.502
Volume scan	Not Required		

Scenario No.		Scenario		Position		SUM	
3		[①]+[④]		Rear		1.639	
Distance [mm]	SPLSR ≤ 0.04 Limit	Numbering	Mode	SAR W/kg	Coordinates		
					X	Y	Z
68.10	0.03	①	WCDMA V	0.471	0.03430	-0.09390	-0.17800
		④	WLAN 5 GHz Ant.2	1.168	-0.03340	-0.09820	-0.18400

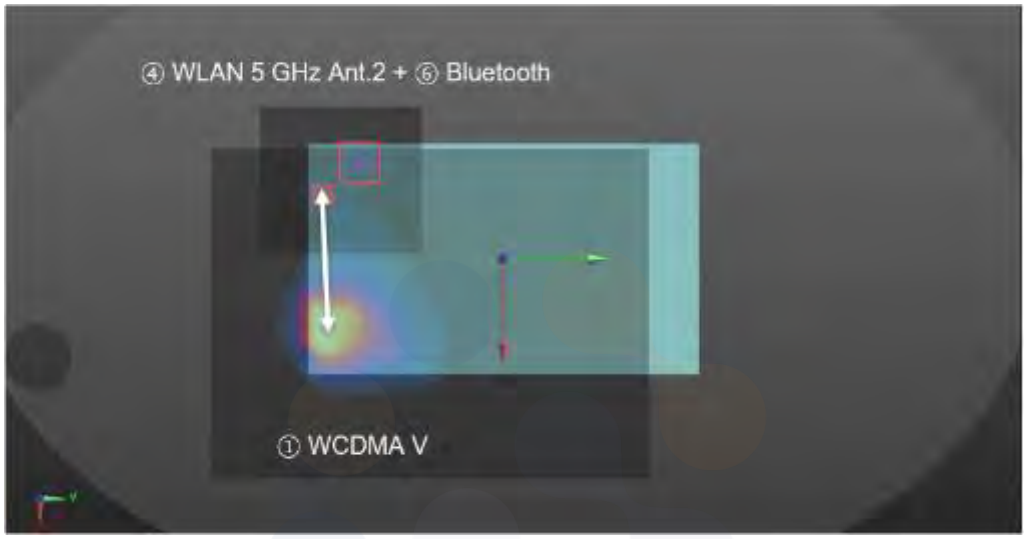


Scenario No.	Scenario	Position	SUM
4	[①]+[③]	Rear	1.607

Distance [mm]	SPLSR ≤ 0.04 Limit	Numbering	Mode	SAR W/kg	Coordinates		
					X	Y	Z
87.21	0.02	①	WCDMA V	0.471	0.03430	-0.09390	-0.17800
		③	WLAN 2.4 GHz MIMO	1.136	-0.05120	-0.07780	-0.18400



Scenario No.		Scenario		Position		SUM	
6		[①]+[④]+[⑥]		Rear		2.502	
Distance [mm]	SPLSR ≤ 0.04 Limit	Numbering	Mode	SAR W/kg	Coordinates		
					X	Y	Z
69.63	0.03	①	WCDMA V	0.471	0.03430	-0.09390	-0.17800
		④⑥ (Hybird)	WLAN 5 GHz Ant.2 + Bluetooth	1.160	-0.03500	-0.09700	-0.18400

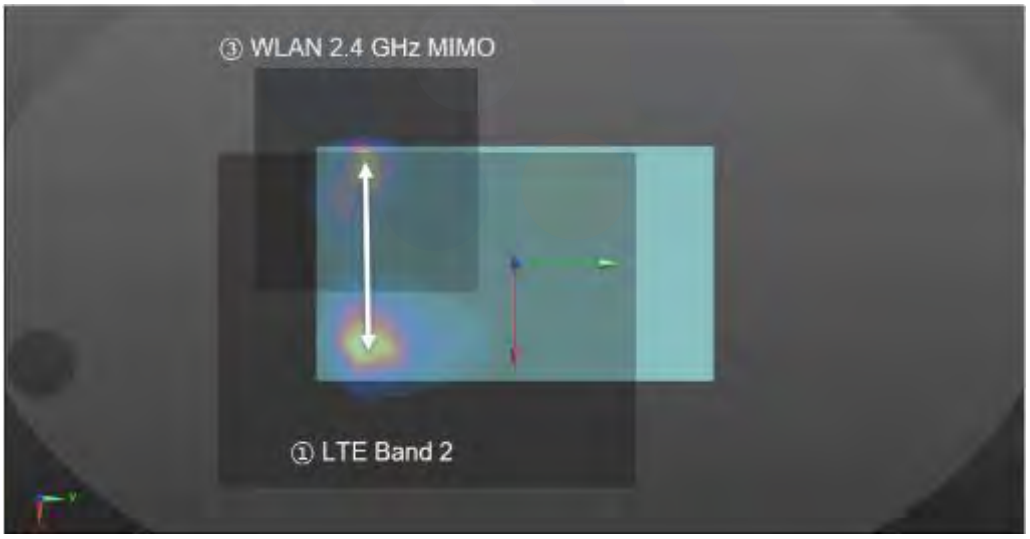


13.4.2.6 LTE Band 2

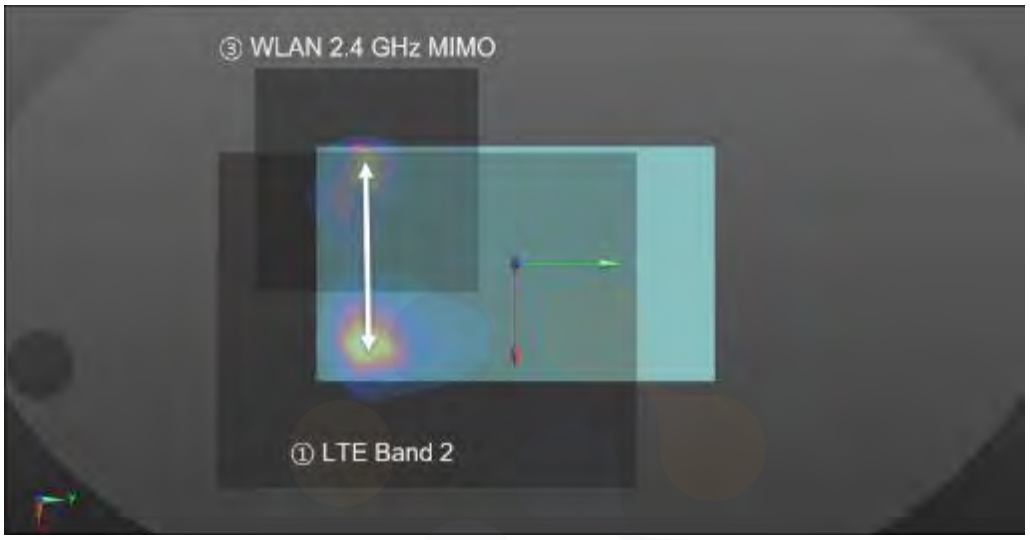
licensed	WLAN 2.4 GHz Ant.1	WLAN 2.4 GHz MIMO	WLAN 5 GHz Ant.2	WLAN 5 GHz MIMO	Bluetooth
[①]	[②]	[③]	[④]	[⑤]	[⑥]

LTE Band 2 SPLSR – Rear Position				
Scenario No.	No.3	No.4	No.5	No.6
Scenario	[①]+[④]	[①]+[③]	[①]+[⑤]	[①]+[④]+[⑥]
Rear	1.750	1.718	1.704	2.613
Volume scan	Not Required			

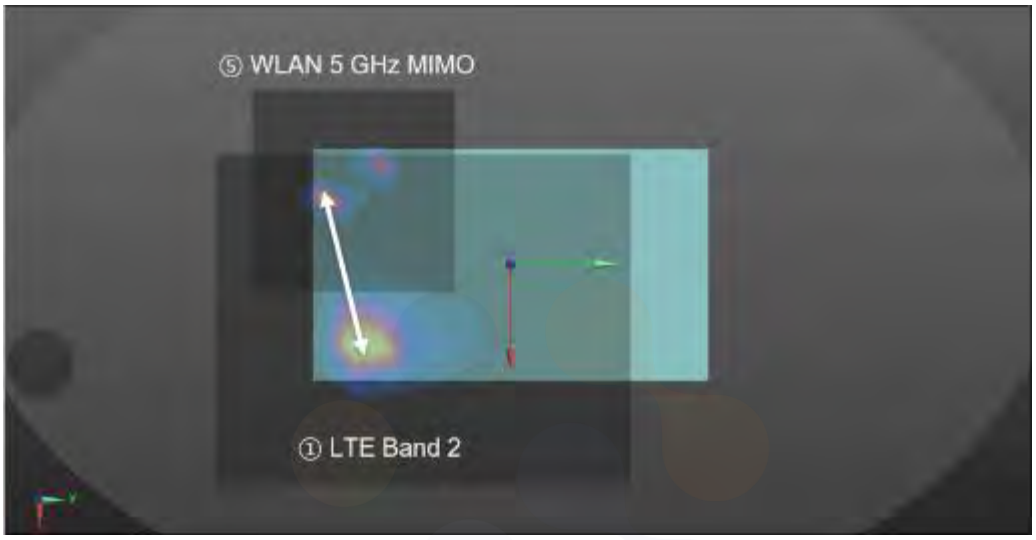
Scenario No.		Scenario		Position		SUM	
3		[①]+[④]		Rear		1.750	
Distance [mm]	SPLSR ≤ 0.04 Limit	Numbering	Mode	SAR W/kg	Coordinates		
					X	Y	Z
81.29	0.03	①	LTE Band 2	0.582	0.04670	-0.08530	-0.17900
		④	WLAN 5 GHz Ant.2	1.168	-0.03340	-0.09820	-0.18400



Scenario No.		Scenario		Position		SUM	
4		[①]+[③]		Rear		1.718	
Distance [mm]	SPLSR ≤ 0.04 Limit	Numbering	Mode	SAR W/kg	Coordinates		
					X	Y	Z
98.31	0.02	①	LTE Band 2	0.582	0.04670	-0.08530	-0.17900
		③	WLAN 2.4 GHz MIMO	1.136	-0.05120	-0.07780	-0.18400



Scenario No.		Scenario		Position		SUM	
5		[①]+[⑤]		Rear		1.704	
Distance [mm]	SPLSR ≤ 0.04 Limit	Numbering	Mode	SAR W/kg	Coordinates		
					X	Y	Z
94.70	0.02	①	LTE Band 2	0.582	0.04670	-0.08530	-0.17900
		⑤	WLAN 5 GHz MIMO	1.122	-0.04620	-0.10300	-0.18400



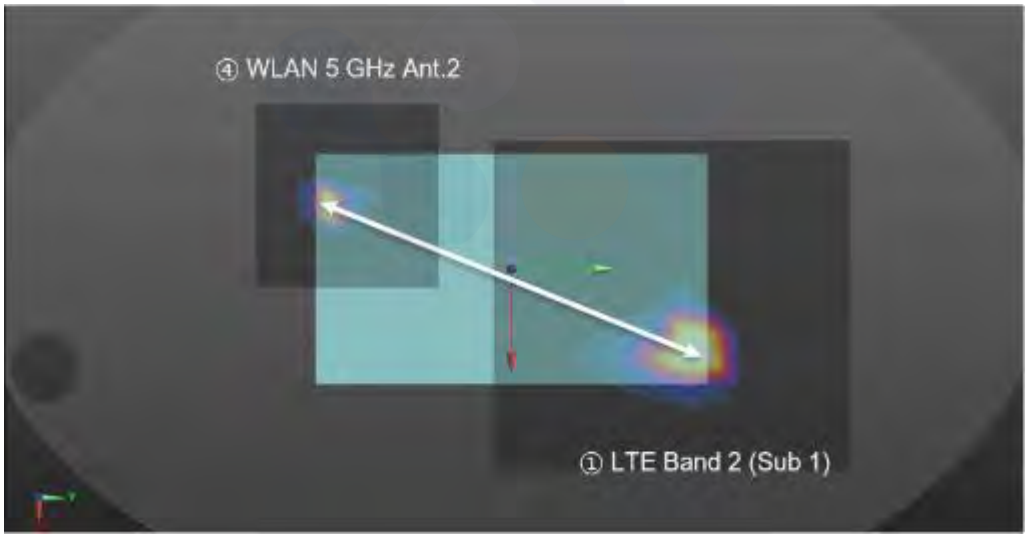
Scenario No.		Scenario		Position		SUM	
6		[①]+[④]+[⑥]		Rear		2.613	
Distance [mm]	**SPLSR ≤ 0.04 Limit**	**Numbering**	**Mode**	**SAR W/kg**	**Coordinates**		
					X	**Y**	**Z**
82.68	0.03	①	LTE Band 2	0.582	0.04670	-0.08530	-0.17900
		④⑥ (Hybird)	WLAN 5 GHz Ant.2 + Bluetooth	1.160	-0.03500	-0.09700	-0.18400

13.4.2.7 LTE Band 2 (Sub1)

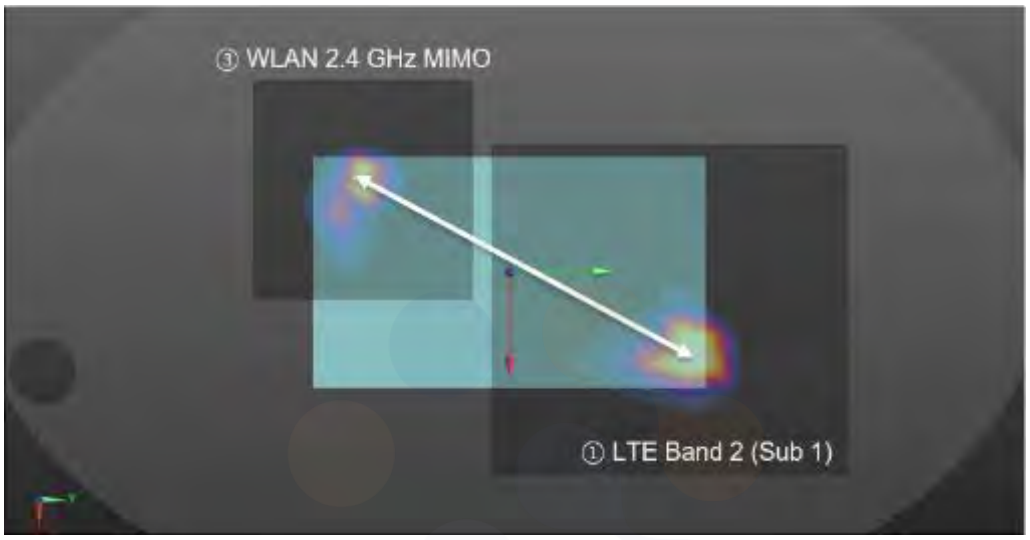
licensed	WLAN 2.4 GHz Ant.1	WLAN 2.4 GHz MIMO	WLAN 5 GHz Ant.2	WLAN 5 GHz MIMO	Bluetooth
[①]	[②]	[③]	[④]	[⑤]	[⑥]

LTE Band 2 (Sub1) SPLSR – Rear Position				
Scenario No.	No.3	No.4	No.5	No.6
Scenario	[①]+[④]	[①]+[③]	[①]+[⑤]	[①]+[④]+[⑥]
Rear	1.668	1.636	1.622	2.531
Volume scan	Not Required			

Scenario No.		Scenario		Position		SUM	
3		[①]+[④]		Rear		1.668	
Distance [mm]	SPLSR ≤ 0.04 Limit	Numbering	Mode	SAR W/kg	Coordinates		
					X	Y	Z
215.01	0.01	①	LTE Band 2 (Sub 1)	0.500	0.05530	0.09760	-0.17900
		④	WLAN 5 GHz Ant.2	1.168	-0.03340	-0.09820	-0.18400

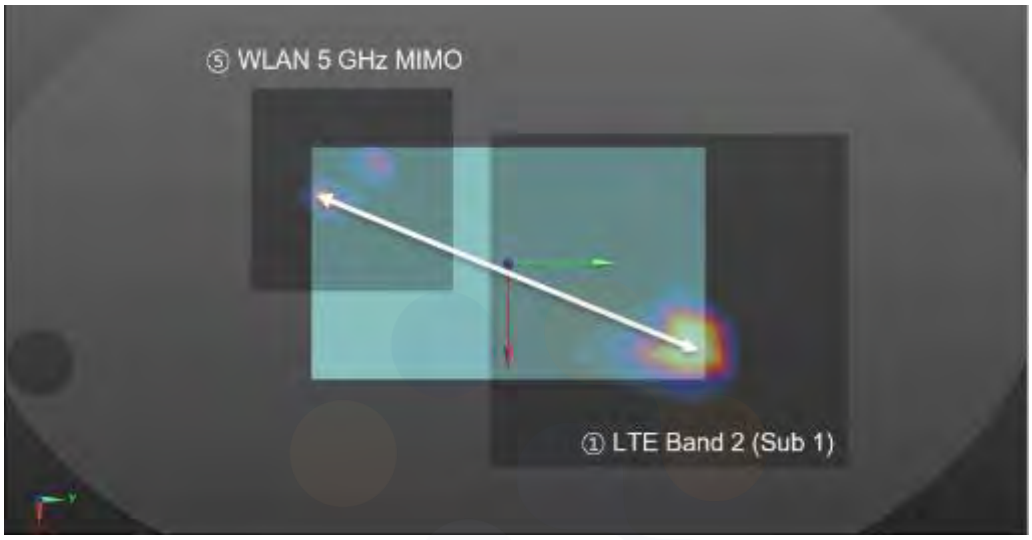


Scenario No.		Scenario		Position		SUM	
4		[①]+[③]		Rear		1.636	
Distance [mm]	SPLSR ≤ 0.04 Limit	Numbering	Mode	SAR W/kg	Coordinates		
					X	Y	Z
205.26	0.01	①	LTE Band 2 (Sub 1)	0.500	0.05530	0.09760	-0.17900
		③	WLAN 2.4 GHz MIMO	1.136	-0.05120	-0.07780	-0.18400



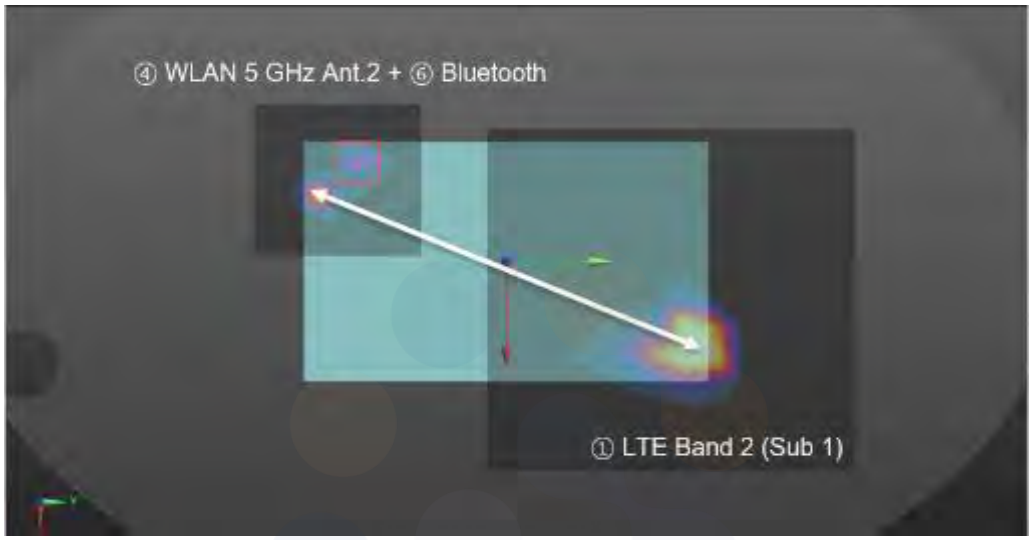
Scenario No.	Scenario	Position	SUM
5	[①]+[⑤]	Rear	1.622

Distance [mm]	SPLSR ≤ 0.04 Limit	Numbering	Mode	SAR W/kg	Coordinates		
					X	Y	Z
224.87	0.01	①	LTE Band 2 (Sub 1)	0.500	0.05530	0.09760	-0.17900
		⑤	WLAN 5 GHz MIMO	1.122	-0.04620	-0.10300	-0.18400



Scenario No.	Scenario	Position	SUM
6	[①]+[④]+[⑥]	Rear	2.531

Distance [mm]	SPLSR ≤ 0.04 Limit	Numbering	Mode	SAR W/kg	Coordinates		
					X	Y	Z
214.59	0.01	①	LTE Band 2 (Sub 1)	0.500	0.05530	0.09760	-0.17900
		④⑥ (Hybird)	WLAN 5 GHz Ant.2 + Bluetooth	1.160	-0.03500	-0.09700	-0.18400

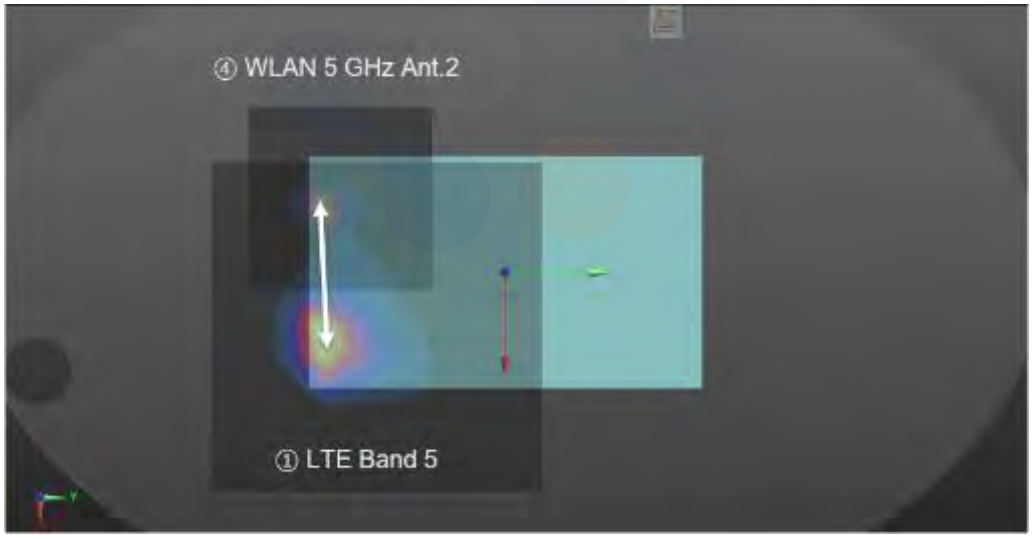


13.4.2.8 LTE Band 5

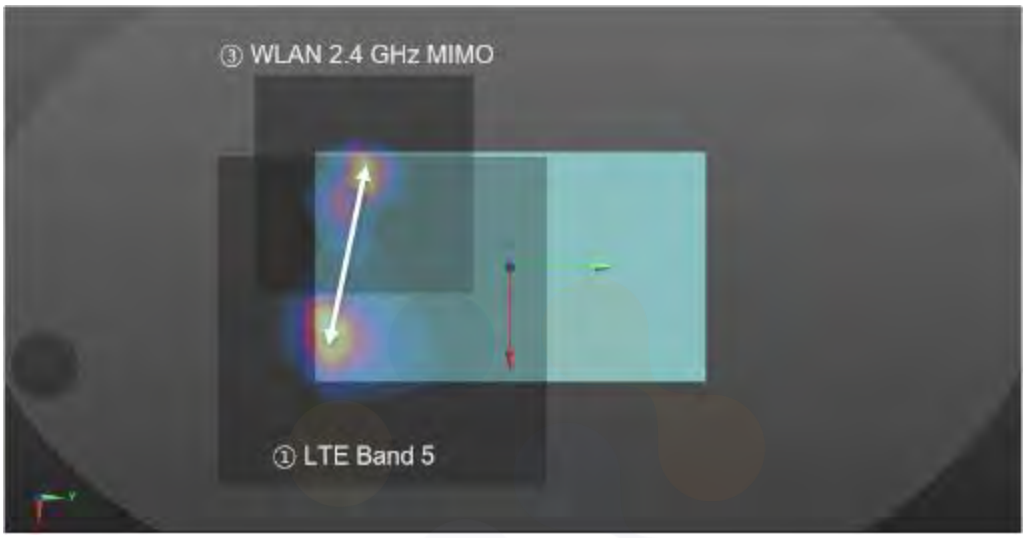
licensed	WLAN 2.4 GHz Ant.1	WLAN 2.4 GHz MIMO	WLAN 5 GHz Ant.2	WLAN 5 GHz MIMO	Bluetooth
[①]	[②]	[③]	[④]	[⑤]	[⑥]

LTE Band 5 SPLSR – Rear Position				
Scenario No.	No.3	No.4	No.5	No.6
Scenario	[①]+[④]	[①]+[③]	[①]+[⑤]	[①]+[④]+[⑥]
Rear	1.661	1.629	1.615	2.524
Volume scan	Not Required			

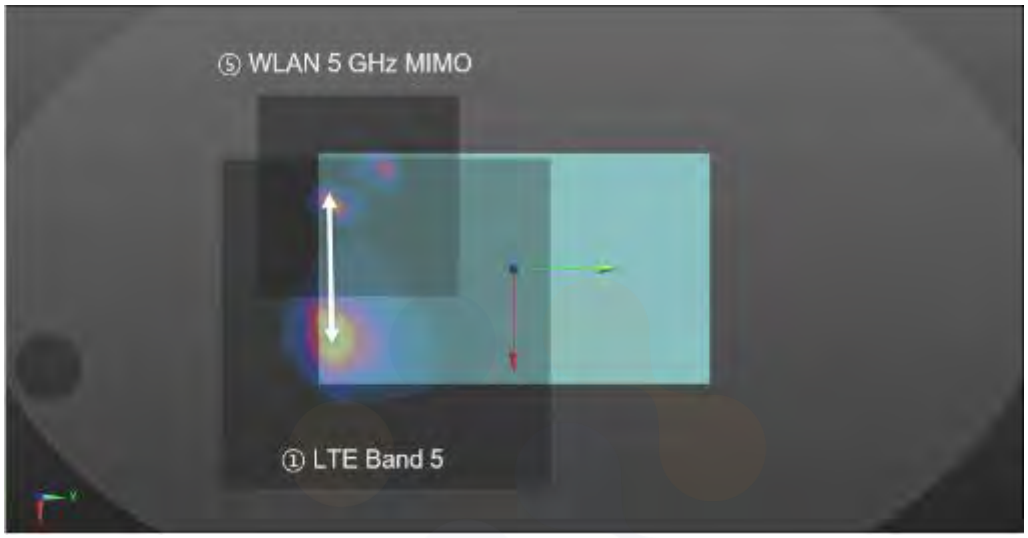
Scenario No.		Scenario		Position		SUM	
3		[①]+[④]		Rear		1.661	
Distance [mm]	SPLSR ≤ 0.04 Limit	Numbering	Mode	SAR W/kg	Coordinates		
					X	Y	Z
68.08	0.03	①	LTE Band 5	0.493	0.03450	-0.09850	-0.17900
		④	WLAN 5 GHz Ant.2	1.168	-0.03340	-0.09820	-0.18400



Scenario No.		Scenario		Position		SUM	
4		[①]+[③]		Rear		1.629	
Distance [mm]	SPLSR ≤ 0.04 Limit	Numbering	Mode	SAR W/kg	Coordinates		
					X	Y	Z
88.31	0.02	①	LTE Band 5	0.493	0.03450	-0.09850	-0.17900
		③	WLAN 2.4 GHz MIMO	1.136	-0.05120	-0.07780	-0.18400



Scenario No.		Scenario		Position		SUM	
5		[①]+[⑤]		Rear		1.615	
Distance [mm]	SPLSR ≤ 0.04 Limit	Numbering	Mode	SAR W/kg	Coordinates		
					X	Y	Z
80.98	0.03	①	LTE Band 5	0.493	0.03450	-0.09850	-0.17900
		⑤	WLAN 5 GHz MIMO	1.122	-0.04620	-0.10300	-0.18400



Scenario No.		Scenario		Position		SUM	
6		[①]+[④]+[⑥]		Rear		2.524	
Distance [mm]	SPLSR ≤ 0.04 Limit	Numbering	Mode	SAR W/kg	Coordinates		
					X	Y	Z
69.70	0.03	①	LTE Band 5	0.493	0.03450	-0.09850	-0.17900
		④⑥ (Hybird)	WLAN 5 GHz Ant.2 + Bluetooth	1.160	-0.03500	-0.09700	-0.18400

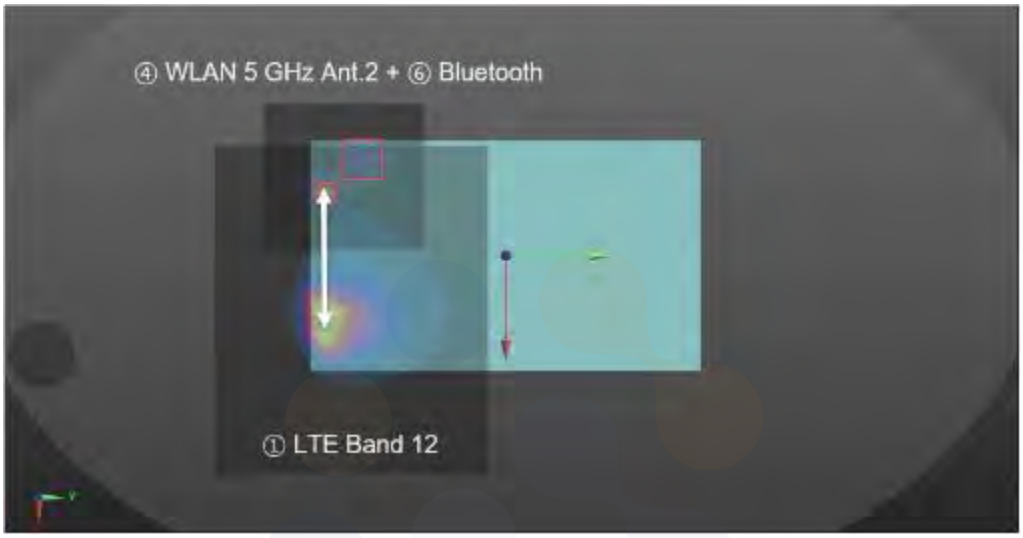
13.4.2.9 LTE Band 12

licensed	WLAN 2.4 GHz Ant.1	WLAN 2.4 GHz MIMO	WLAN 5 GHz Ant.2	WLAN 5 GHz MIMO	Bluetooth
[①]	[②]	[③]	[④]	[⑤]	[⑥]

LTE Band 12 SPLSR – Rear Position		
Scenario No.	No.3	No.6
Scenario	[①]+[④]	[①]+[④]+[⑥]
Rear	1.607	2.470
Volume scan	Not Required	

Scenario No.		Scenario		Position		SUM	
3		[①]+[④]		Rear		1.607	
Distance [mm]	SPLSR ≤ 0.04 Limit	Numbering	Mode	SAR W/kg	Coordinates		
					X	Y	Z
67.70	0.03	①	LTE Band 12	0.439	0.03410	-0.09700	-0.17900
		④	WLAN 5 GHz Ant.2	1.168	-0.03340	-0.09820	-0.18400

Scenario No.		Scenario		Position		SUM	
6		[①]+[④]+[⑥]		Rear		2.470	
Distance [mm]	**SPLSR ≤ 0.04 Limit**	**Numbering**	**Mode**	**SAR W/kg**	**Coordinates**		
					X	**Y**	**Z**
69.28	0.03	①	LTE Band 12	0.439	0.03410	-0.09700	-0.17900
		④⑥ (Hybird)	WLAN 5 GHz Ant.2 + Bluetooth	1.160	-0.03500	-0.09700	-0.18400

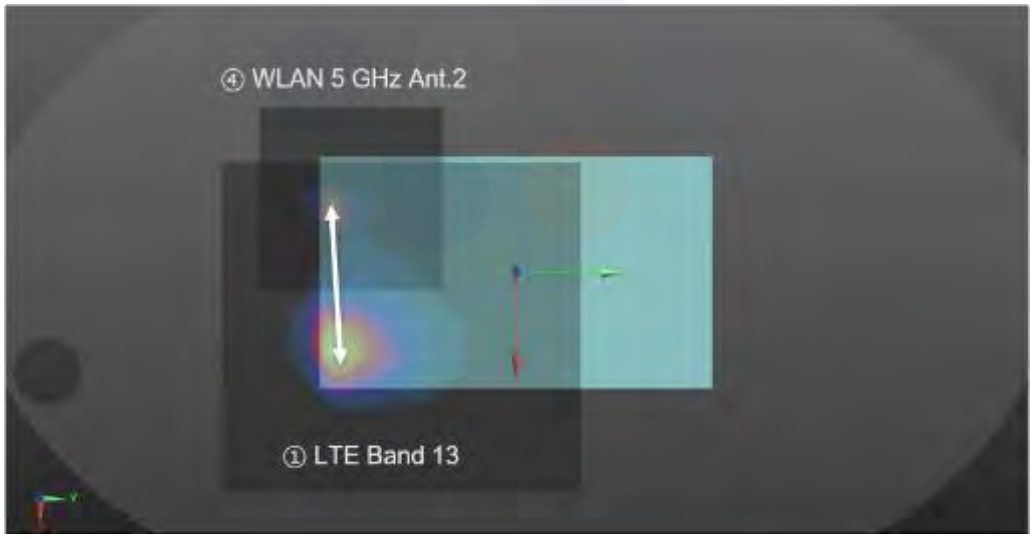


13.4.2.10 LTE Band 13

licensed	WLAN 2.4 GHz Ant.1	WLAN 2.4 GHz MIMO	WLAN 5 GHz Ant.2	WLAN 5 GHz MIMO	Bluetooth
[①]	[②]	[③]	[④]	[⑤]	[⑥]

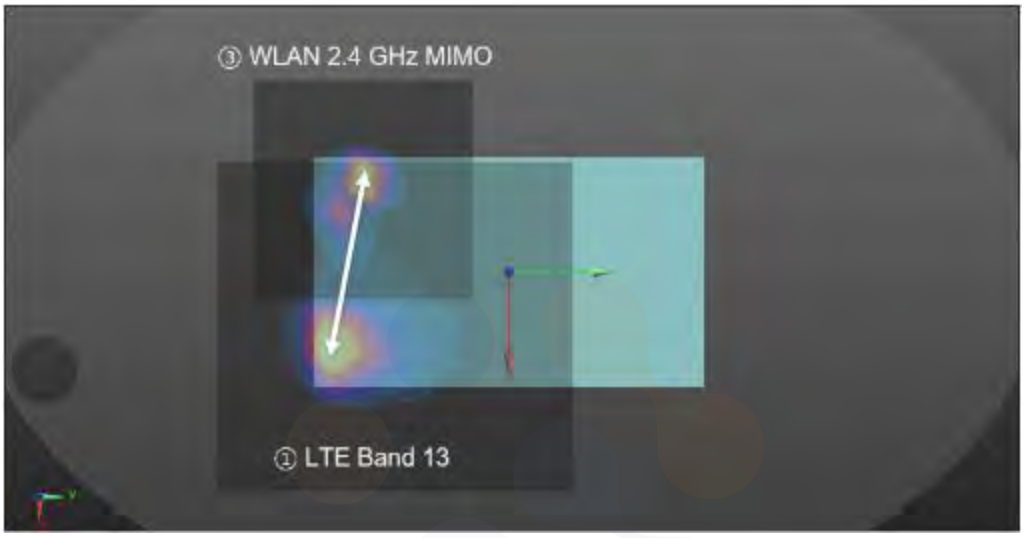
LTE Band 13 SPLSR – Rear Position				
Scenario No.	No.3	No.4	No.5	No.6
Scenario	[①]+[④]	[①]+[③]	[①]+[⑤]	[①]+[④]+[⑥]
Rear	1.647	1.615	1.601	2.510
Volume scan	Not Required			

Scenario No.		Scenario		Position		SUM	
3		[①]+[④]		Rear		1.647	
Distance [mm]	SPLSR ≤ 0.04 Limit	Numbering	Mode	SAR W/kg	Coordinates		
					X	Y	Z
69.23	0.03	①	LTE Band 13	0.479	0.03560	-0.09550	-0.17900
		④	WLAN 5 GHz Ant.2	1.168	-0.03340	-0.09820	-0.18400



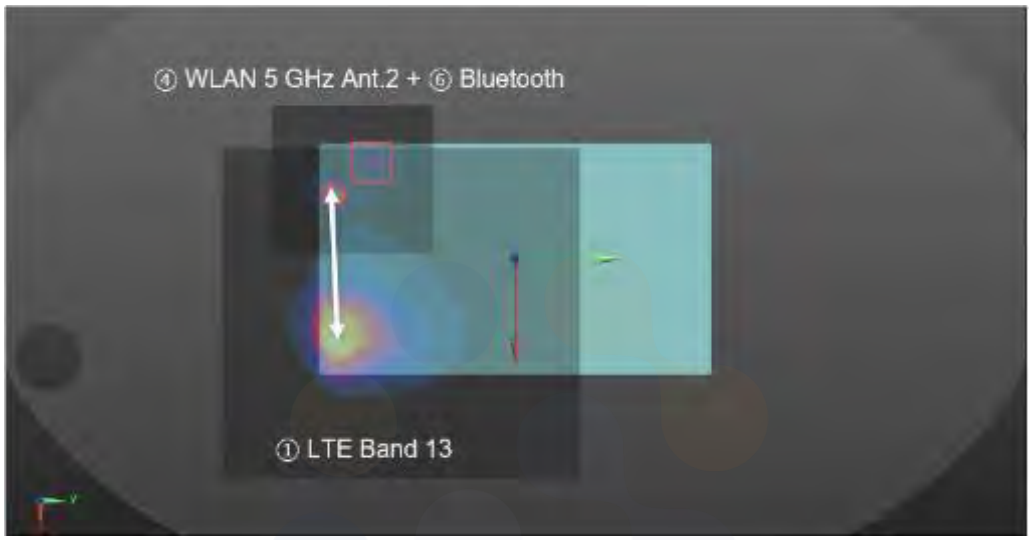
Scenario No.	Scenario	Position	SUM
4	[①]+[③]	Rear	1.615

Distance [mm]	SPLSR ≤ 0.04 Limit	Numbering	Mode	SAR W/kg	Coordinates		
					X	Y	Z
88.73	0.02	①	LTE Band 13	0.479	0.03560	-0.09550	-0.17900
		③	WLAN 2.4 GHz MIMO	1.136	-0.05120	-0.07780	-0.18400



Scenario No.		Scenario		Position		SUM	
5		[①]+[⑤]		Rear		1.601	
Distance [mm]	SPLSR ≤ 0.04 Limit	Numbering	Mode	SAR W/kg	Coordinates		
					X	Y	Z
82.30	0.03	①	LTE Band 13	0.479	0.03560	-0.09550	-0.17900
		⑤	WLAN 5 GHz MIMO	1.122	-0.04620	-0.10300	-0.18400

Scenario No.		Scenario		Position		SUM	
6		[①]+[④]+[⑥]		Rear		2.510	
Distance [mm]	SPLSR ≤ 0.04 Limit	Numbering	Mode	SAR W/kg	Coordinates		
					X	Y	Z
70.79	0.03	①	LTE Band 13	0.479	0.03560	-0.09550	-0.17900
		④⑥ (Hybird)	WLAN 5 GHz Ant.2 + Bluetooth	1.160	-0.03500	-0.09700	-0.18400

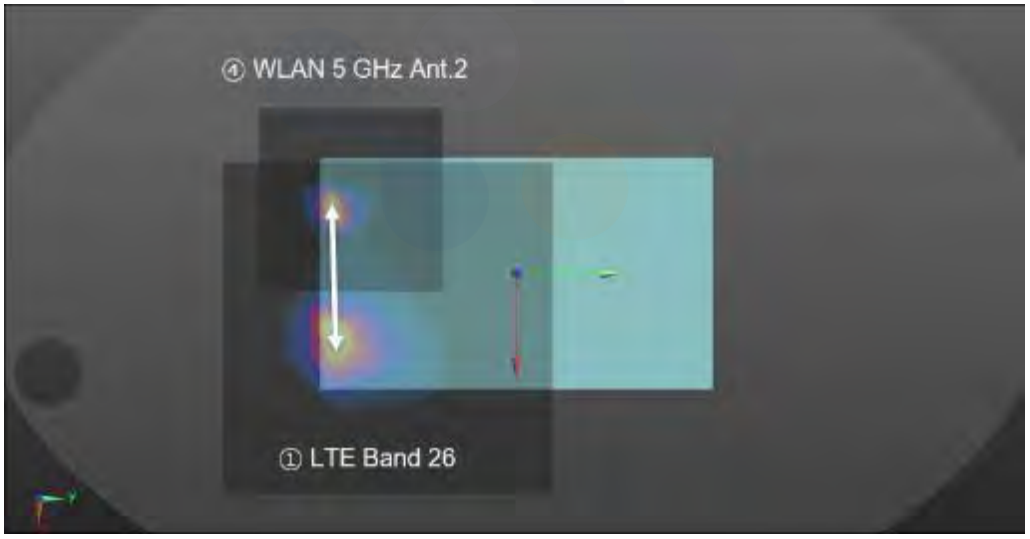


13.4.2.11 LTE Band 26

licensed	WLAN 2.4 GHz Ant.1	WLAN 2.4 GHz MIMO	WLAN 5 GHz Ant.2	WLAN 5 GHz MIMO	Bluetooth
[①]	[②]	[③]	[④]	[⑤]	[⑥]

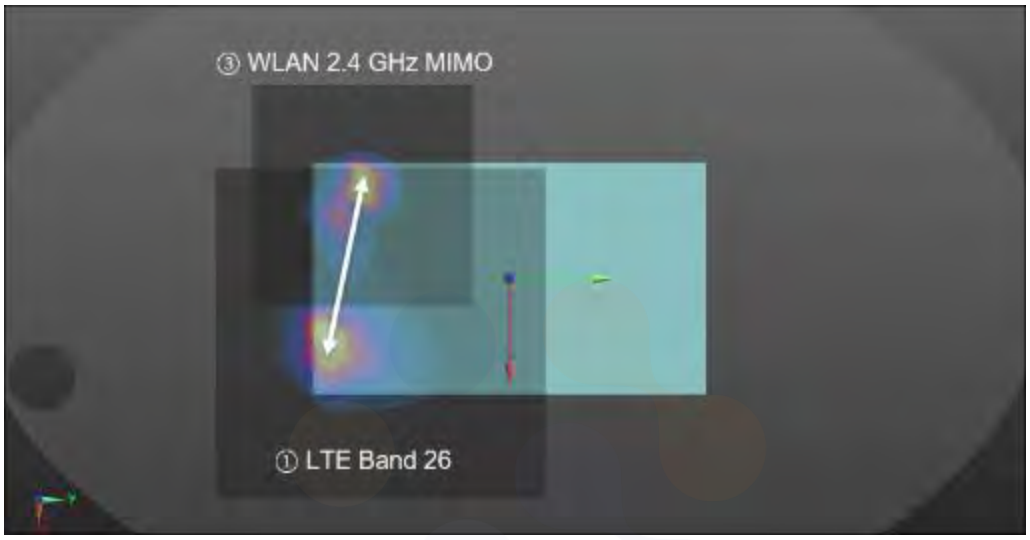
LTE Band 26 SPLSR – Rear Position				
Scenario No.	No.3	No.4	No.5	No.6
Scenario	[①]+[④]	[①]+[③]	[①]+[⑤]	[①]+[④]+[⑥]
Rear	1.705	1.673	1.659	2.568
Volume scan	Not Required			

Scenario No.		Scenario		Position		SUM	
3		[①]+[④]		Rear		1.705	
Distance [mm]	SPLSR ≤ 0.04 Limit	Numbering	Mode	SAR W/kg	Coordinates		
					X	Y	Z
66.59	0.03	①	LTE Band 26	0.537	0.03300	-0.09850	-0.17900
		④	WLAN 5 GHz Ant.2	1.168	-0.03340	-0.09820	-0.18400



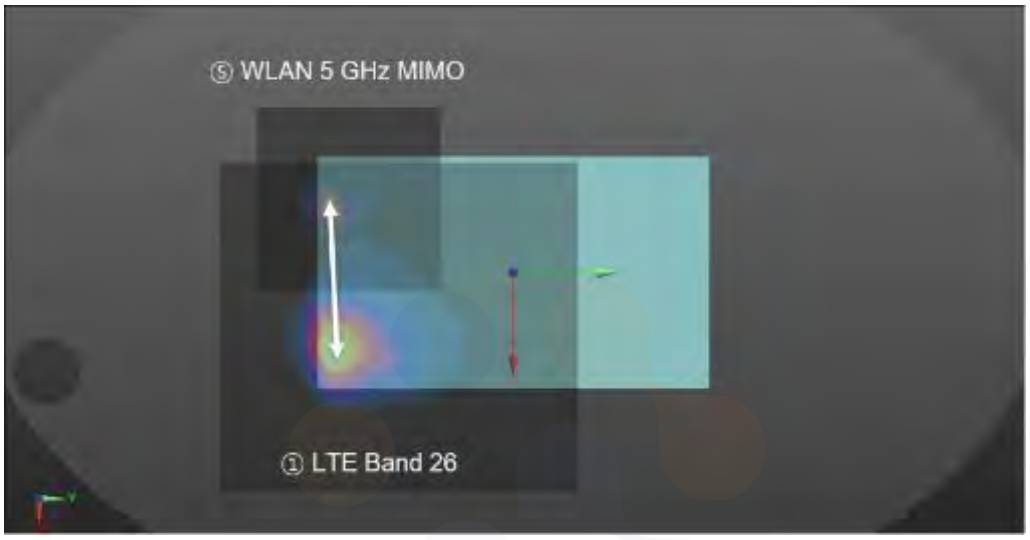
Scenario No.	Scenario	Position	SUM
4	[①]+[③]	Rear	1.673

Distance [mm]	SPLSR ≤ 0.04 Limit	Numbering	Mode	SAR W/kg	Coordinates		
					X	Y	Z
86.85	0.03	①	LTE Band 26	0.537	0.03300	-0.09850	-0.17900
		③	WLAN 2.4 GHz MIMO	1.136	-0.05120	-0.07780	-0.18400

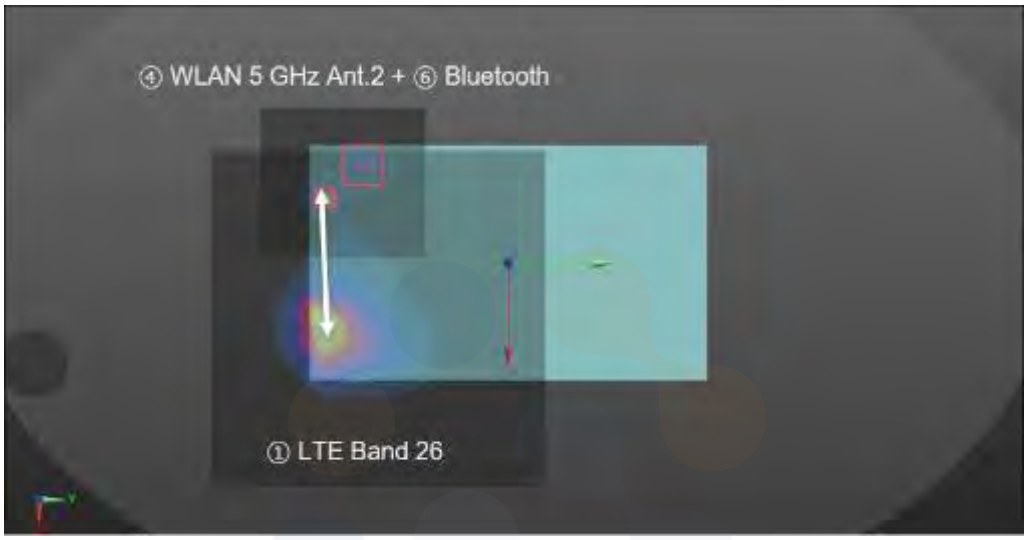


Scenario No.	Scenario	Position	SUM
5	[①]+[⑤]	Rear	1.659

Distance [mm]	SPLSR ≤ 0.04 Limit	Numbering	Mode	SAR W/kg	Coordinates		
					X	Y	Z
79.49	0.03	①	LTE Band 26	0.537	0.03300	-0.09850	-0.17900
		⑤	WLAN 5 GHz MIMO	1.122	-0.04620	-0.10300	-0.18400



Scenario No.		Scenario		Position		SUM	
6		[①]+[④]+[⑥]		Rear		2.568	
Distance [mm]	SPLSR ≤ 0.04 Limit	Numbering	Mode	SAR W/kg	Coordinates		
					X	Y	Z
68.20	0.03	①	LTE Band 26	0.537	0.03300	-0.09850	-0.17900
		④⑥ (Hybird)	WLAN 5 GHz Ant.2 + Bluetooth	1.160	-0.03500	-0.09700	-0.18400

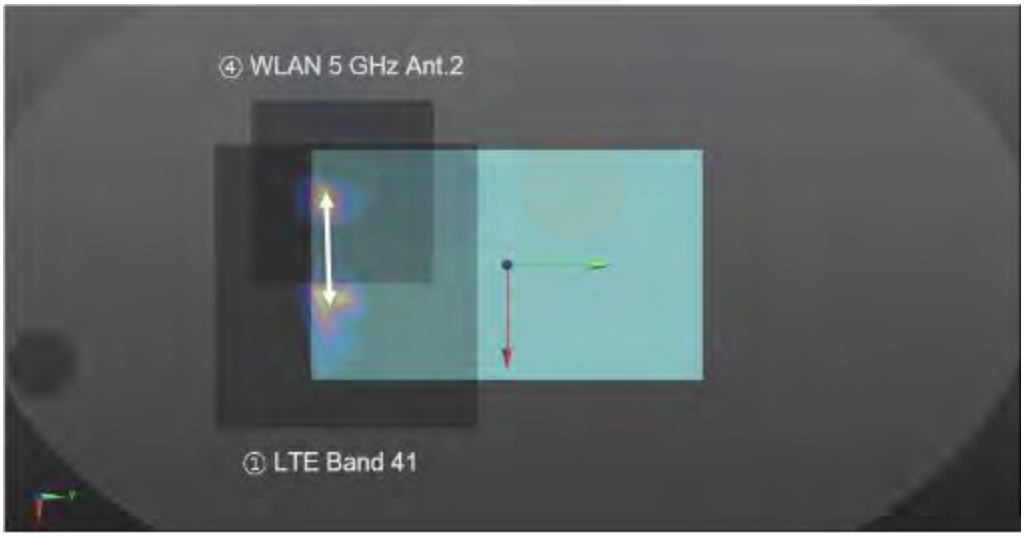


13.4.2.12 LTE Band 41

licensed	WLAN 2.4 GHz Ant.1	WLAN 2.4 GHz MIMO	WLAN 5 GHz Ant.2	WLAN 5 GHz MIMO	Bluetooth
[①]	[②]	[③]	[④]	[⑤]	[⑥]

SPLSR – Rear Position			
Scenario No.	No.3	No.4	No.6
Scenario	[①]+[④]	[①]+[③]	[①]+[④]+[⑥]
Rear	1.640	1.608	2.503
Volume scan	Not Required		

Scenario No.		Scenario		Position		SUM	
3		[①]+[④]		Rear		1.640	
Distance [mm]	SPLSR ≤ 0.04 Limit	Numbering	Mode	SAR W/kg	Coordinates		
					X	Y	Z
54.86	0.04	①	LTE Band 41	0.472	0.02120	-0.09620	-0.17900
		④	WLAN 5 GHz Ant.2	1.168	-0.03340	-0.09820	-0.18400



Scenario No.	Scenario	Position	SUM
4	[①]+[③]	Rear	1.608

Distance [mm]	SPLSR ≤ 0.04 Limit	Numbering	Mode	SAR W/kg	Coordinates		
					X	Y	Z
74.87	0.03	①	LTE Band 41	0.472	0.02120	-0.09620	-0.17900
		③	WLAN 2.4 GHz MIMO	1.136	-0.05120	-0.07780	-0.18400

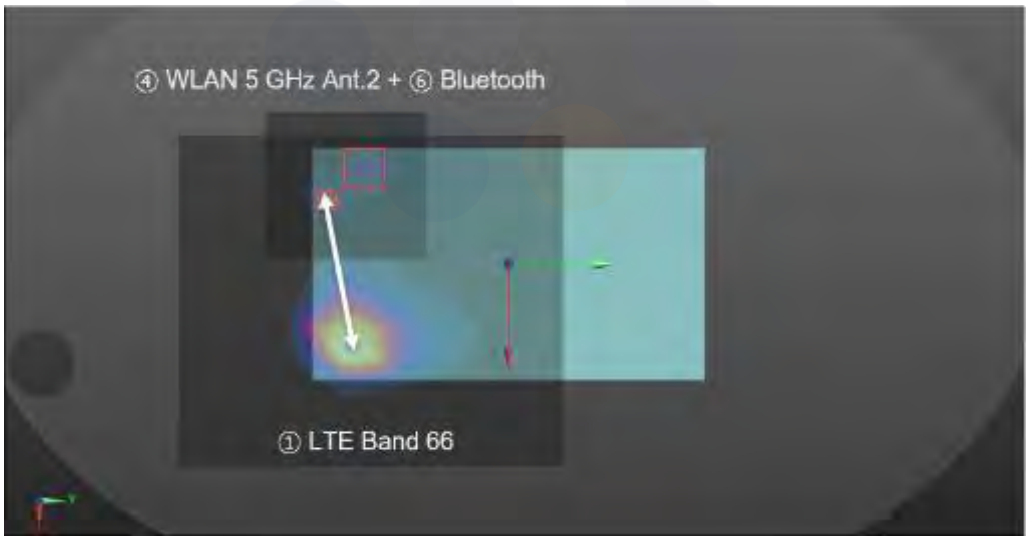
Scenario No.		Scenario		Position		SUM	
6		[①]+[④]+[⑥]		Rear		2.503	
Distance [mm]	**SPLSR ≤ 0.04 Limit**	**Numbering**	**Mode**	**SAR W/kg**	**Coordinates**		
					X	**Y**	**Z**
56.43	0.04	①	LTE Band 41	0.472	0.02120	-0.09620	-0.17900
		④⑥ (Hybird)	WLAN 5 GHz Ant.2 + Bluetooth	1.160	-0.03500	-0.09700	-0.18400

13.4.2.13 LTE Band 66

licensed	WLAN 2.4 GHz Ant.1	WLAN 2.4 GHz MIMO	WLAN 5 GHz Ant.2	WLAN 5 GHz MIMO	Bluetooth
[①]	[②]	[③]	[④]	[⑤]	[⑥]

LTE Band 66 SPLSR – Rear Position	
Scenario No.	No.6
Scenario	[①]+[④]+[⑥]
Rear	2.381
Volume scan	Not Required

Scenario No.		Scenario		Position		SUM	
6		[①]+[④]+[⑥]		Rear		2.381	
Distance [mm]	SPLSR ≤ 0.04 Limit	Numbering	Mode	SAR W/kg	Coordinates		
					X	Y	Z
79.89	0.02	①	LTE Band 66	0.350	0.04390	-0.08550	-0.17900
		④⑥ (Hybird)	WLAN 5 GHz Ant.2 + Bluetooth	1.160	-0.03500	-0.09700	-0.18400



13.4.2.14 5G NR n5

licensed	WLAN 2.4 GHz Ant.1	WLAN 2.4 GHz MIMO	WLAN 5 GHz Ant.2	WLAN 5 GHz MIMO	Bluetooth
[①]	[②]	[③]	[④]	[⑤]	[⑥]

5G NR n5 SPLSR – Rear Position	
Scenario No.	No.6
Scenario	[①]+[④]+[⑥]
Rear	2.439
Volume scan	Not Required

Scenario No.		Scenario		Position		SUM	
6		[①]+[④]+[⑥]		Rear		2.439	
Distance [mm]	SPLSR ≤ 0.04 Limit	Numbering	Mode	SAR W/kg	Coordinates		
					X	Y	Z
78.57	0.03	①	5G NR n5	0.408	0.04310	-0.10200	-0.17700
		④⑥ (Hybird)	WLAN 5 GHz Ant.2 + Bluetooth	1.160	-0.03500	-0.09700	-0.18400

13.4.2.15 5G NR n66

licensed	WLAN 2.4 GHz Ant.1	WLAN 2.4 GHz MIMO	WLAN 5 GHz Ant.2	WLAN 5 GHz MIMO	Bluetooth
[①]	[②]	[③]	[④]	[⑤]	[⑥]

5G NR n66 SPLSR – Rear Position	
Scenario No.	No.6
Scenario	[①]+[④]+[⑥]
Rear	2.454
Volume scan	Not Required

Scenario No.		Scenario		Position		SUM	
6		[①]+[④]+[⑥]		Rear		2.454	
Distance [mm]	SPLSR ≤ 0.04 Limit	Numbering	Mode	SAR W/kg	Coordinates		
					X	Y	Z
82.42	0.02	①	5G NR n66	0.423	0.04680	-0.08820	-0.17900
		④⑥ (Hybird)	WLAN 5 GHz Ant.2 + Bluetooth	1.160	-0.03500	-0.09700	-0.18400

13.4.3 Hybrid SPLSR Procedure(EN-DC)

Apr. 2020 TCB Workshop (SPLSR Hotspot Combination)

New Guidance:

Instead of doing a small volume scan over a co-located antenna pair, you may algebraically sum the SAR values of the co-located pair and use that value in SPLSR calculation

In the calculation you must use the minimum distance between
the spatially separated antenna and the closest antenna of the co-located antenna pair to be conservative

1. Standalone SAR Numbering

EN-DC (LTE+5G NR)	WLAN 2.4 GHz Ant.1	WLAN 2.4 GHz MIMO	WLAN 5 GHz Ant.2	WLAN 5 GHz MIMO	Bluetooth
[①]	[②]	[③]	[④]	[⑤]	[⑥]

2. EN-DC (LTE+5G NR) Combination for Hybrid SPLSR

No	Mode (Sensor On/Off)	Position	Combination	Scenario	Sum Scaled 1g SAR
1	Body (Sensor Off)	Rear	①	LTE B2 + 5G NR n5	0.851
2		Rear	①	LTE B66 + 5G NR n5	1.016
3		Rear	①	LTE B5 + 5G NR n66	0.983
4		Rear	①	LTE B12 + 5G NR n66	0.713
5		Rear	①	LTE B13 + 5G NR n66	0.705
6	Body (Sensor On)	Rear	①	LTE B2 + 5G NR n5	0.990
7		Rear	①	LTE B66 + 5G NR n5	0.758
8		Rear	①	LTE B2(Sub1) + 5G NR n66	0.923
9		Rear	①	LTE B5 + 5G NR n66	0.916
10		Rear	①	LTE B12 + 5G NR n66	0.862
11		Rear	①	LTE B13 + 5G NR n66	0.902

13.4.4 EN-DC SPLSR(Hybrid) Analysis

Summary Table (Sensor Off)

Band	Mode	Simultaneous Scenario No	Highest SPLSR ≤ 0.04 Limit	Volume scan Required (Yes / No)	Analysis Page
LTE Band 2 + 5G NR n5	Body	3	0.03	No	236
		5	0.03	No	237
		6	0.03	No	238
LTE Band 66 + 5G NR n5		3	0.03	No	239
		5	0.03	No	240
		6	0.03	No	241
LTE Band 5 + 5G NR n66		3	0.04	No	242
		5	0.04	No	243
		6	0.03	No	244
LTE Band 12 + 5G NR n66		5	0.03	No	245
		6	0.03	No	246
LTE Band 13 + 5G NR n66		5	0.03	No	247
		6	0.03	No	248

Summary Table (Sensor On)

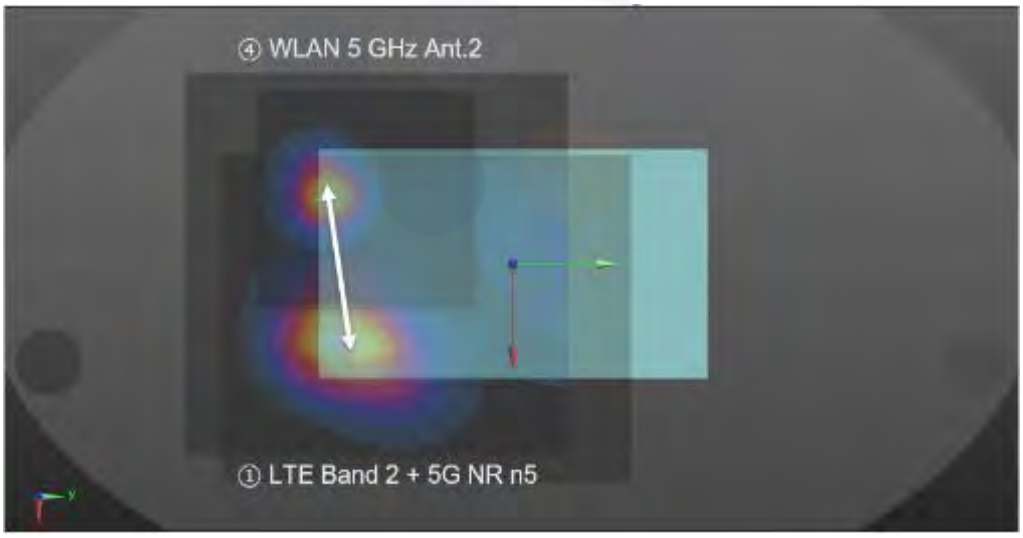
Band	Mode	Simultaneous Scenario No	Highest SPLSR ≤ 0.04 Limit	Volume scan Required (Yes / No)	Analysis Page
LTE Band 2 + 5G NR n5	Body	1	0.03	No	249
		2	0.03	No	250
		3	0.04	No	251
		4	0.03	No	252
		5	0.03	No	253
		6	0.04	No	254
LTE Band 66 + 5G NR n5		1	0.02	No	255
		2	0.02	No	256
		3	0.04	No	257
		4	0.03	No	258
		5	0.03	No	259
		6	0.03	No	260
LTE Band 2 (Sub1) + 5G NR n66		1	0.02	No	261
		2	0.02	No	262
		3	0.04	No	263
		4	0.03	No	264
		5	0.03	No	265
		6	0.04	No	266
LTE Band 5 + 5G NR n66		1	0.03	No	267
		2	0.03	No	268
		3	0.04	No	269
		4	0.03	No	270
		5	0.04	No	271
		6	0.04	No	272
LTE Band 12 + 5G NR n66		1	0.03	No	273
		2	0.03	No	274
		3	0.04	No	275
		4	0.03	No	276
		5	0.04	No	277
		6	0.04	No	278
LTE Band 13 + 5G NR n66		1	0.03	No	279
		2	0.03	No	280
		3	0.04	No	281
		4	0.03	No	282
		5	0.04	No	283
		6	0.04	No	284

13.4.4.1 LTE Band 2 + 5G NR n5 - (Sensor Off)

licensed	WLAN 2.4 GHz Ant.1	WLAN 2.4 GHz MIMO	WLAN 5 GHz Ant.2	WLAN 5 GHz MIMO	Bluetooth
[①]	[②]	[③]	[④]	[⑤]	[⑥]

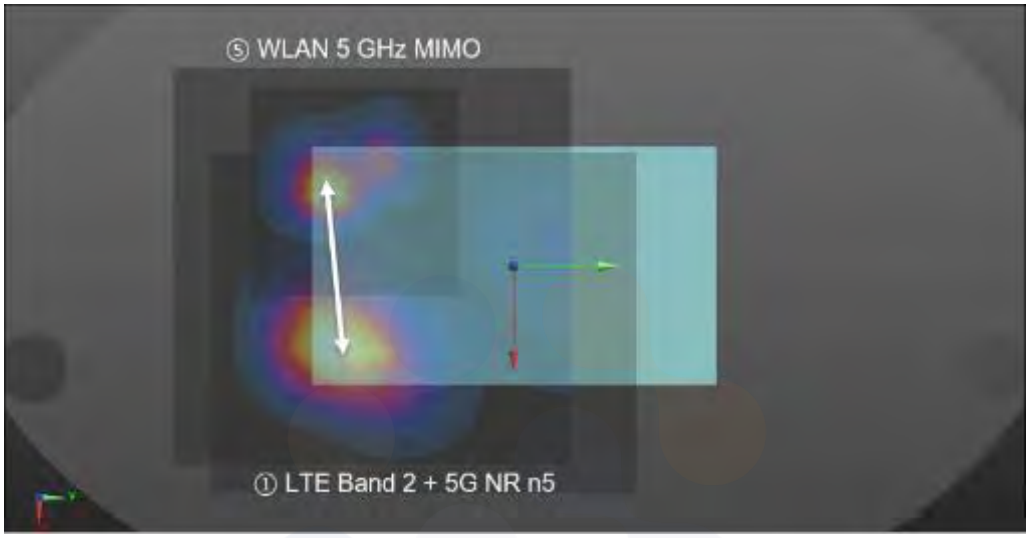
LTE Band 2 + 5G NR n5 SPLSR – Rear Position			
Scenario No.	No.3	No.5	No.6
Scenario	[①]+[④]	[①]+[⑤]	[①]+[④]+[⑥]
Rear	1.709	1.747	1.760
Volume scan	Not Required		

Scenario No.		Scenario		Position		SUM	
3		[①]+[④]		Rear		1.709	
Distance [mm]	SPLSR ≤ 0.04 Limit	Numbering	Mode	SAR W/kg	Coordinates		
					X	Y	Z
78.69	0.03	①	LTE Band 2 + 5G NR n5	0.851	0.04200	-0.09750	-0.17700
		④	WLAN 5 GHz Ant.2	0.858	-0.03620	-0.10100	-0.18500



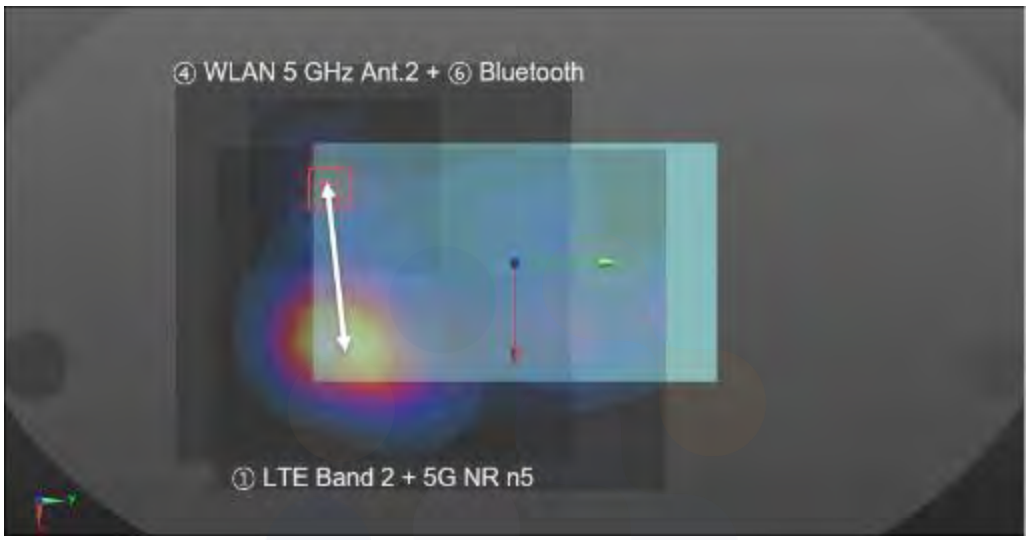
Scenario No.	Scenario	Position	SUM
5	[①]+[⑤]	Rear	1.747

Distance [mm]	SPLSR ≤ 0.04 Limit	Numbering	Mode	SAR W/kg	Coordinates		
					X	Y	Z
80.41	0.03	①	LTE Band 2 + 5G NR n5	0.851	0.04200	-0.09750	-0.17700
		⑤	WLAN 5 GHz MIMO	0.896	-0.03800	-0.09900	-0.18500



Scenario No.	Scenario	Position	SUM
6	[①]+[④]+[⑥]	Rear	1.760

Distance [mm]	SPLSR ≤ 0.04 Limit	Numbering	Mode	SAR W/kg	Coordinates		
					X	Y	Z
81.40	0.03	①	LTE Band 2 + 5G NR n5	0.851	0.04200	-0.09750	-0.17700
		④⑥ (Hybird)	WLAN 5 GHz Ant.2 + Bluetooth	0.808	-0.03900	-0.09700	-0.18500

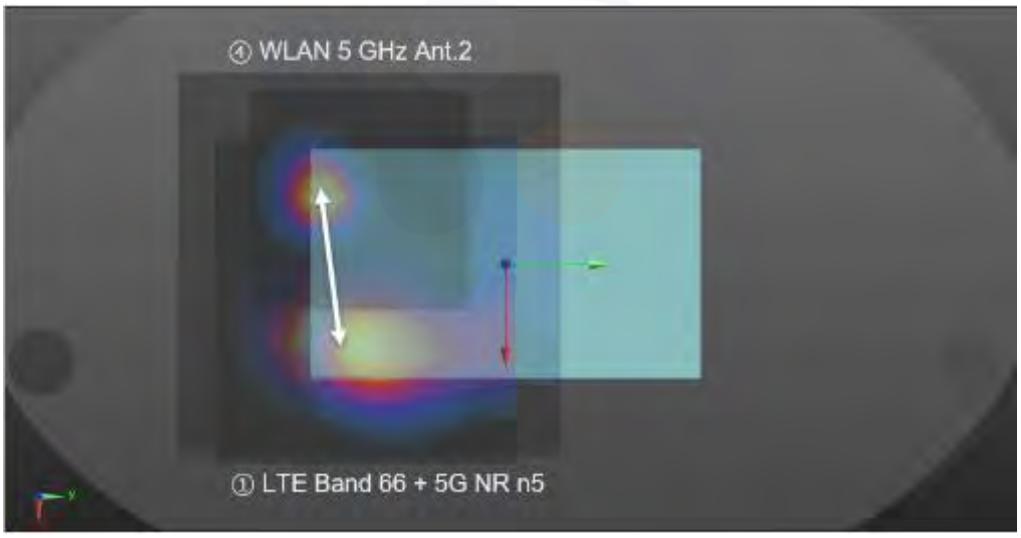


13.4.4.2 LTE Band 66 + 5G NR n5 - (Sensor Off)

licensed	WLAN 2.4 GHz Ant.1	WLAN 2.4 GHz MIMO	WLAN 5 GHz Ant.2	WLAN 5 GHz MIMO	Bluetooth
[①]	[②]	[③]	[④]	[⑤]	[⑥]

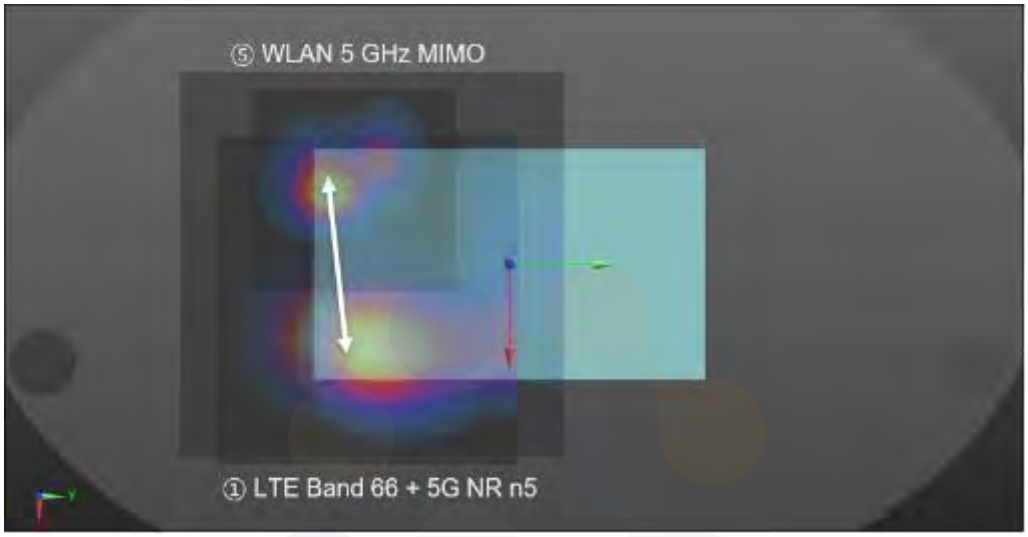
LTE Band 66 + 5G NR n5 SPLSR – Rear Position			
Scenario No.	No.3	No.5	No.6
Scenario	[①]+[④]	[①]+[⑤]	[①]+[④]+[⑥]
Rear	1.874	1.912	1.925
Volume scan	Not Required		

Scenario No.		Scenario		Position		SUM		
3		[①]+[④]		Rear		1.874		
Distance [mm]	SPLSR ≤ 0.04 Limit	Numbering	Mode	SAR W/kg	Coordinates			
					X	Y	Z	
78.69	0.03	①	LTE Band 66 + 5G NR n5	1.016	0.04200	-0.09750	-0.17700	
		④	WLAN 5 GHz Ant.2	0.858	-0.03620	-0.10100	-0.18500	

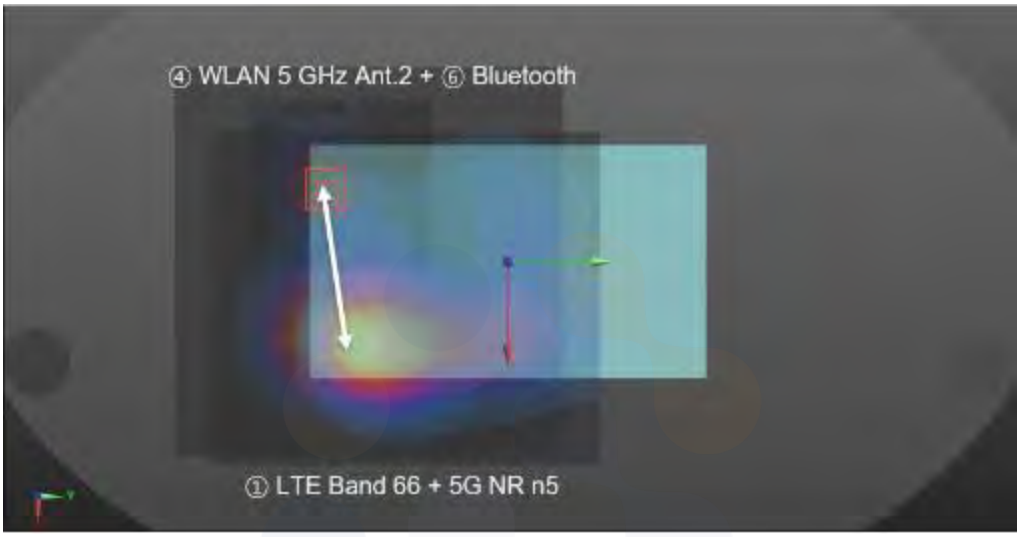


Scenario No.	Scenario	Position	SUM
5	[①]+[⑤]	Rear	1.912

Distance [mm]	SPLSR ≤ 0.04 Limit	Numbering	Mode	SAR W/kg	Coordinates		
					X	Y	Z
80.41	0.03	①	LTE Band 66 + 5G NR n5	1.016	0.04200	-0.09750	-0.17700
		⑤	WLAN 5 GHz MIMO	0.896	-0.03800	-0.09900	-0.18500



Scenario No.		Scenario		Position		SUM	
6		[①]+[④]+[⑥]		Rear		1.925	
Distance [mm]	SPLSR ≤ 0.04 Limit	Numbering	Mode	SAR W/kg	Coordinates		
					X	Y	Z
81.40	0.03	①	LTE Band 66 + 5G NR n5	1.016	0.04200	-0.09750	-0.17700
		④⑥ (Hybird)	WLAN 5 GHz Ant.2 + Bluetooth	0.808	-0.03900	-0.09700	-0.18500

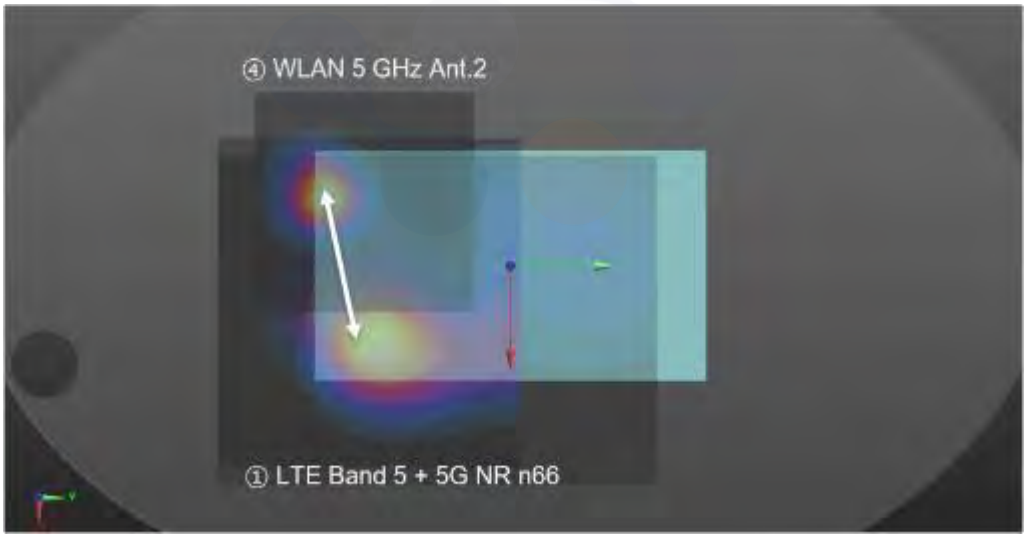


13.4.4.3 LTE Band 5 + 5G NR n66 - (Sensor Off)

licensed	WLAN 2.4 GHz Ant.1	WLAN 2.4 GHz MIMO	WLAN 5 GHz Ant.2	WLAN 5 GHz MIMO	Bluetooth
[①]	[②]	[③]	[④]	[⑤]	[⑥]

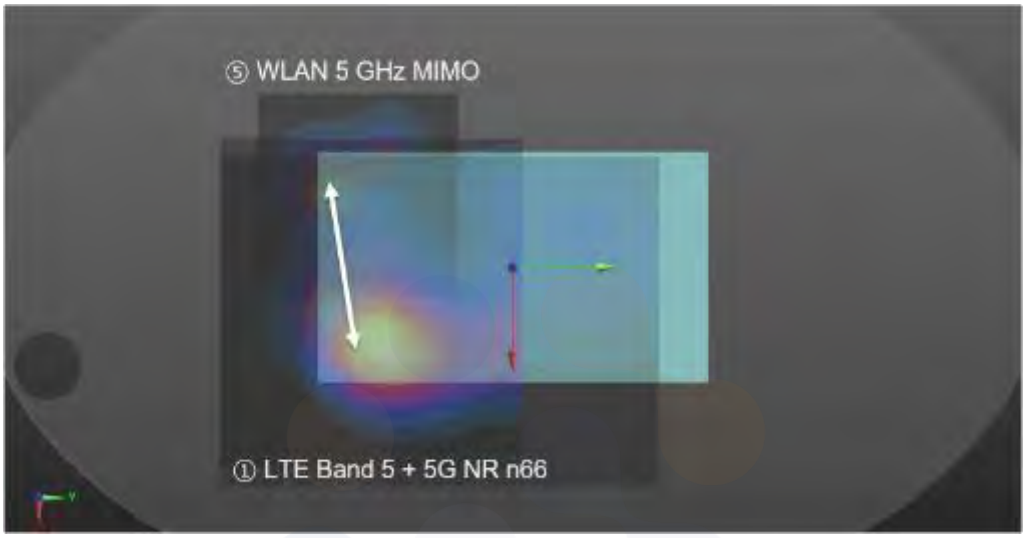
LTE Band 5 + 5G NR n66 SPLSR – Rear Position			
Scenario No.	No.3	No.5	No.6
Scenario	[①]+[④]	[①]+[⑤]	[①]+[④]+[⑥]
Rear	1.841	1.879	1.892
Volume scan	Not Required		

Scenario No.		Scenario		Position		SUM	
3		[①]+[④]		Rear		1.841	
Distance [mm]	SPLSR ≤ 0.04 Limit	Numbering	Mode	SAR W/kg	Coordinates		
					X	Y	Z
69.90	0.04	①	LTE Band 5 + 5G NR n66	0.983	0.03160	-0.08510	-0.17900
		④	WLAN 5 GHz Ant.2	0.858	-0.03620	-0.10100	-0.18500



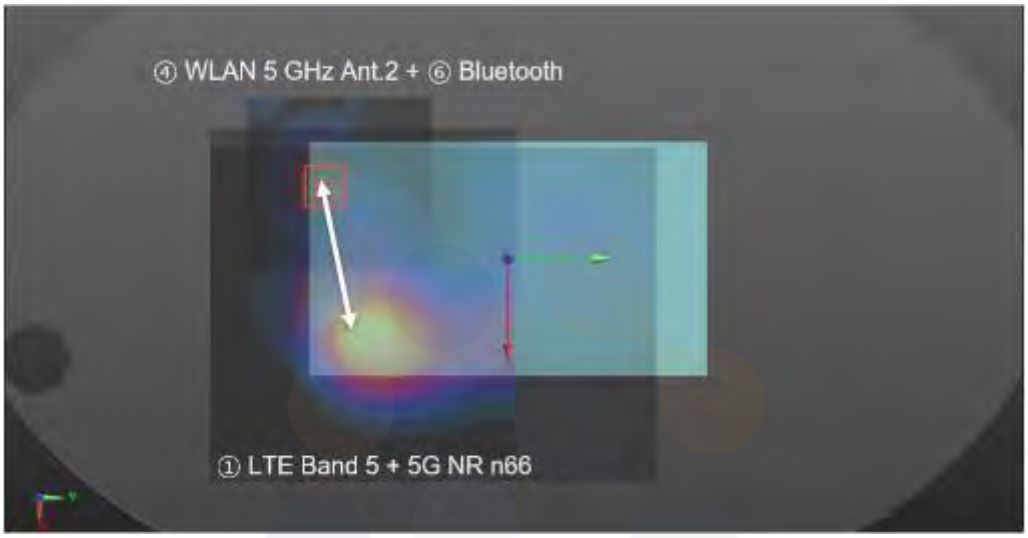
Scenario No.	Scenario	Position	SUM
5	[①]+[⑤]	Rear	1.879

Distance [mm]	SPLSR ≤ 0.04 Limit	Numbering	Mode	SAR W/kg	Coordinates		
					X	Y	Z
71.23	0.04	①	LTE Band 5 + 5G NR n66	0.983	0.03160	-0.08510	-0.17900
		⑤	WLAN 5 GHz MIMO	0.896	-0.03800	-0.09900	-0.18500



Scenario No.	Scenario	Position	SUM
6	[①]+[④]+[⑥]	Rear	1.892

Distance [mm]	SPLSR ≤ 0.04 Limit	Numbering	Mode	SAR W/kg	Coordinates		
					X	Y	Z
71.85	0.03	①	LTE Band 5 + 5G NR n66	0.983	0.03160	-0.08510	-0.17900
		④⑥ (Hybird)	WLAN 5 GHz Ant.2 + Bluetooth	0.808	-0.03900	-0.09700	-0.18500

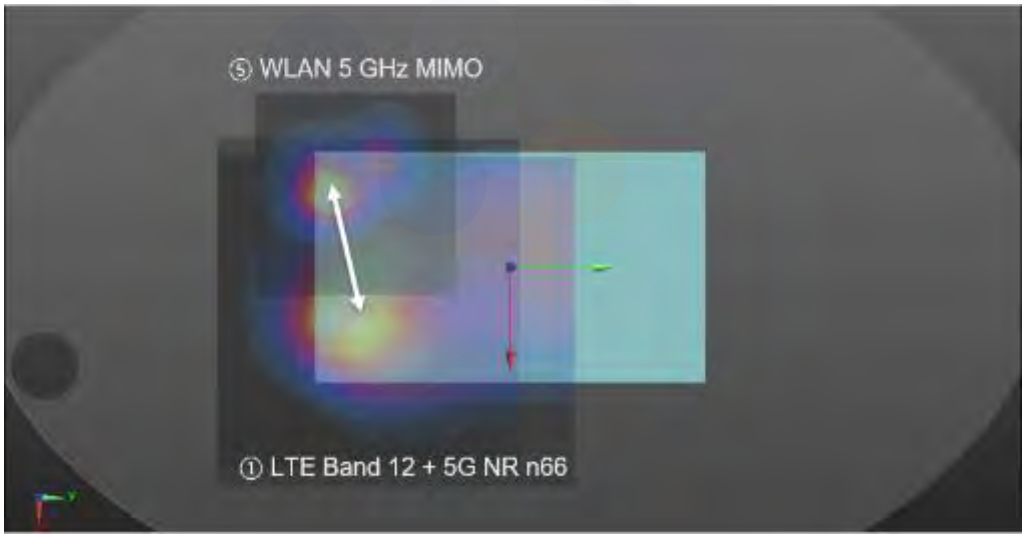


13.4.4.4 LTE Band 12 + 5G NR n66 - (Sensor Off)

licensed	WLAN 2.4 GHz Ant.1	WLAN 2.4 GHz MIMO	WLAN 5 GHz Ant.2	WLAN 5 GHz MIMO	Bluetooth
[①]	[②]	[③]	[④]	[⑤]	[⑥]

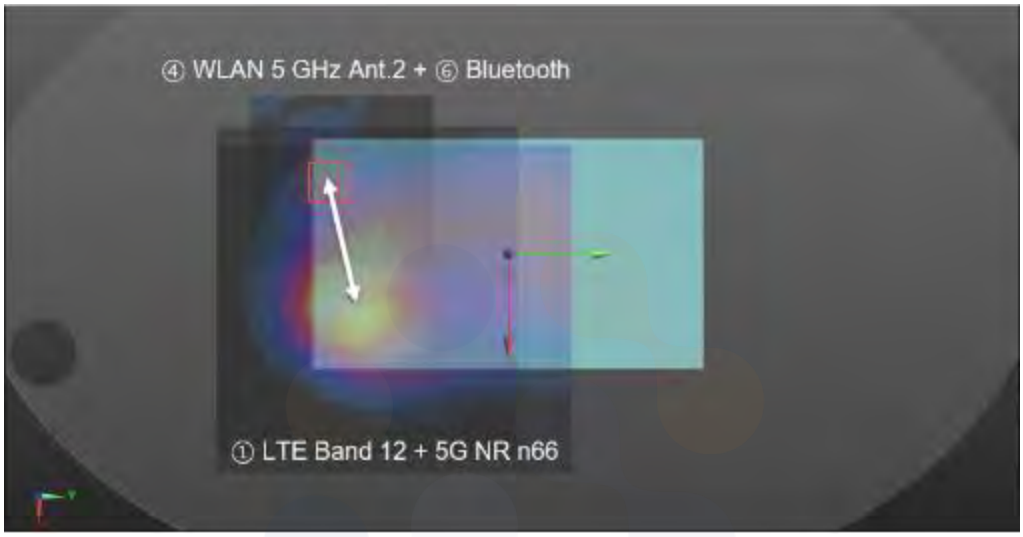
LTE Band 12 + 5G NR n66 SPLSR – Rear Position		
Scenario No.	No.5	No.6
Scenario	[①]+[⑤]	[①]+[④]+[⑥]
Rear	1.609	1.622
Volume scan	Not Required	

Scenario No.		Scenario		Position		SUM	
5		[①]+[⑤]		Rear		1.609	
Distance [mm]	SPLSR ≤ 0.04 Limit	Numbering	Mode	SAR W/kg	Coordinates		
					X	Y	Z
68.82	0.03	①	LTE Band 12 + 5G NR n66	0.713	0.03010	-0.09110	-0.17900
		⑤	WLAN 5 GHz MIMO	0.896	-0.03800	-0.09900	-0.18500



Scenario No.	Scenario	Position	SUM
6	[①]+[④]+[⑥]	Rear	1.622

Distance [mm]	SPLSR ≤ 0.04 Limit	Numbering	Mode	SAR W/kg	Coordinates		
					X	Y	Z
69.61	0.03	①	LTE Band 12 + 5G NR n66	0.713	0.03010	-0.09110	-0.17900
		④⑥ (Hybird)	WLAN 5 GHz Ant.2 + Bluetooth	0.808	-0.03900	-0.09700	-0.18500

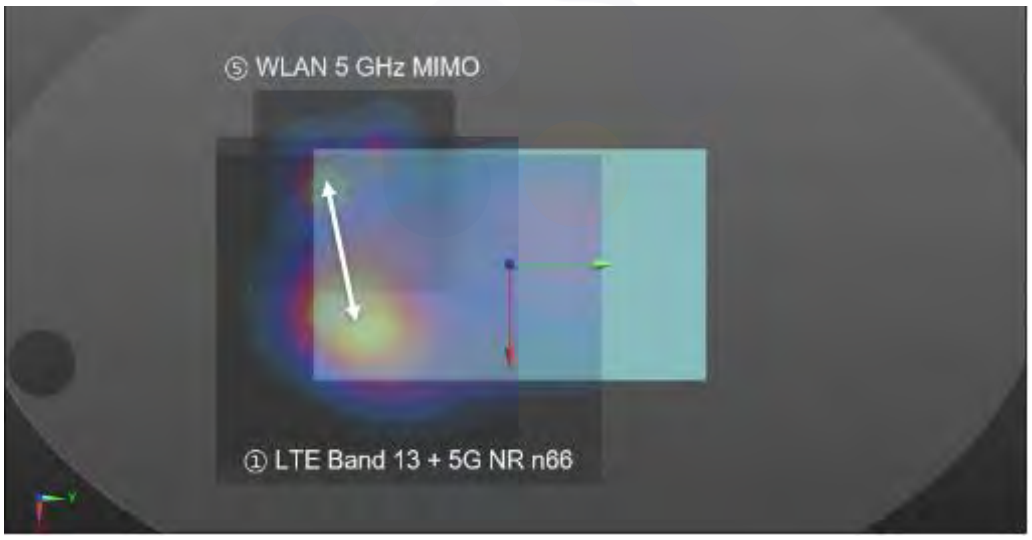


13.4.4.5 LTE Band 13 + 5G NR n66 - (Sensor Off)

licensed	WLAN 2.4 GHz Ant.1	WLAN 2.4 GHz MIMO	WLAN 5 GHz Ant.2	WLAN 5 GHz MIMO	Bluetooth
[①]	[②]	[③]	[④]	[⑤]	[⑥]

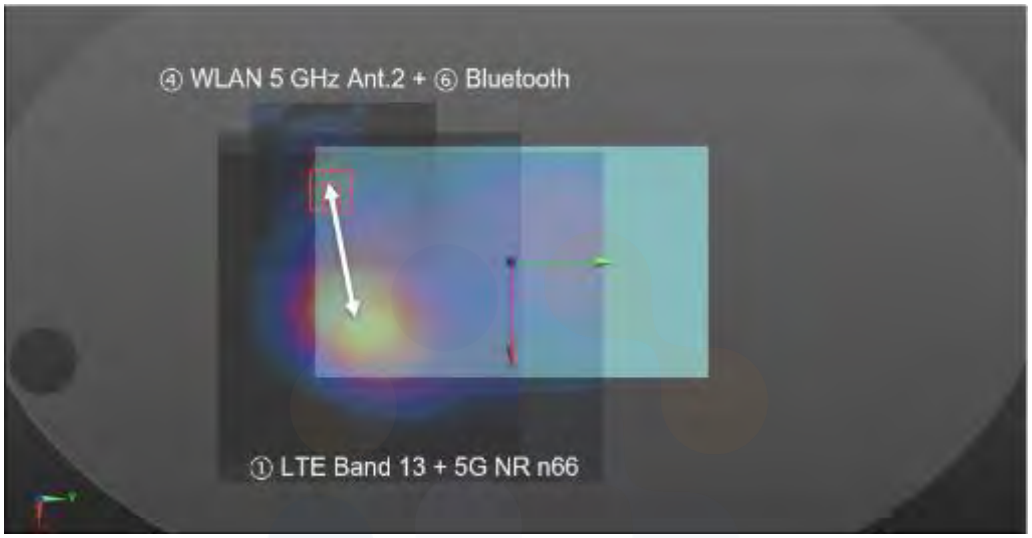
LTE Band 13 + 5G NR n66 SPLSR – Rear Position		
Scenario No.	No.5	No.6
Scenario	[①]+[⑤]	[①]+[④]+[⑥]
Rear	1.601	1.614
Volume scan	Not Required	

Scenario No.		Scenario		Position		SUM	
5		[①]+[⑤]		Rear		1.601	
Distance [mm]	SPLSR ≤ 0.04 Limit	Numbering	Mode	SAR W/kg	Coordinates		
					X	Y	Z
68.80	0.03	①	LTE Band 13 + 5G NR n66	0.705	0.03010	-0.09130	-0.17900
		⑤	WLAN 5 GHz MIMO	0.896	-0.03800	-0.09900	-0.18500



Scenario No.	Scenario	Position	SUM
6	[①]+[④]+[⑥]	Rear	1.614

Distance [mm]	SPLSR ≤ 0.04 Limit	Numbering	Mode	SAR W/kg	Coordinates		
					X	Y	Z
69.59	0.03	①	LTE Band 13 + 5G NR n66	0.705	0.03010	-0.09130	-0.17900
		④⑥ (Hybird)	WLAN 5 GHz Ant.2 + Bluetooth	0.808	-0.03900	-0.09700	-0.18500

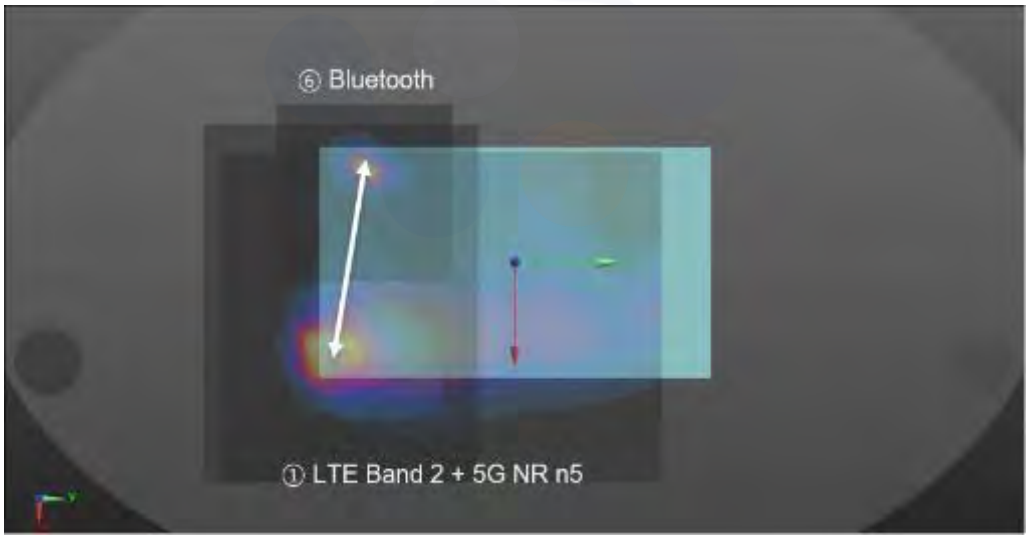


13.4.4.6 LTE Band 2 + 5G NR n5 - (Sensor On)

licensed	WLAN 2.4 GHz Ant.1	WLAN 2.4 GHz MIMO	WLAN 5 GHz Ant.2	WLAN 5 GHz MIMO	Bluetooth
[①]	[②]	[③]	[④]	[⑤]	[⑥]

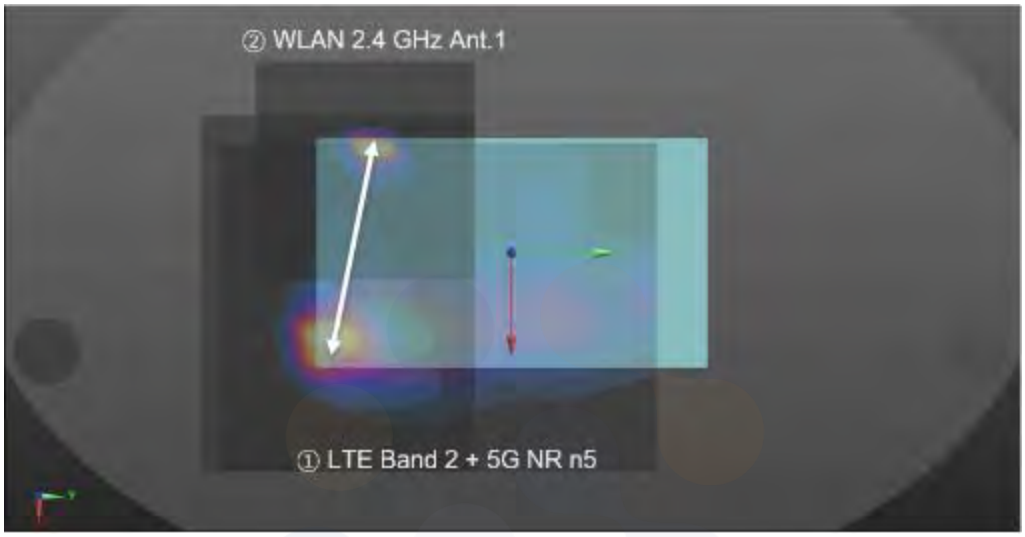
LTE Band 2 + 5G NR n5 SPLSR – Rear Position						
Scenario No.	No.1	No.2	No.3	No.4	No.5	No.6
Scenario	[①]+[⑥]	[①]+[②]	[①]+[④]	[①]+[③]	[①]+[⑤]	[①]+[④]+[⑥]
Rear	1.853	1.836	2.158	2.126	2.112	3.021
Volume scan	Not Required					

Scenario No.		Scenario		Position		SUM	
1		[①]+[⑥]		Rear		1.853	
Distance [mm]	SPLSR ≤ 0.04 Limit	Numbering	Mode	SAR W/kg	Coordinates		
					X	Y	Z
98.13	0.03	①	LTE Band 2 + 5G NR n5	0.990	0.04310	-0.10200	-0.17700
		⑥	Bluetooth	0.863	-0.05220	-0.08000	-0.18500

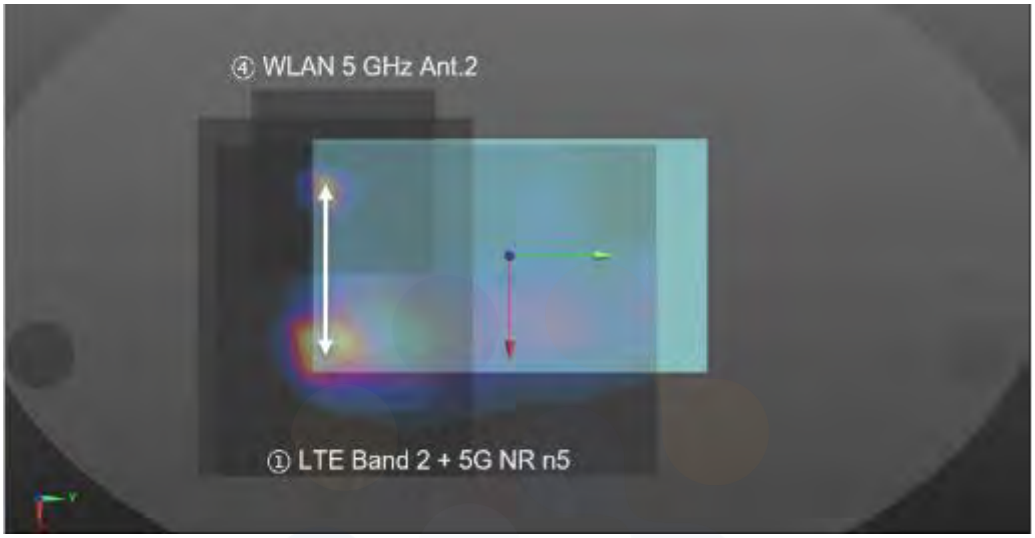


Scenario No.	Scenario	Position	SUM
2	[①]+[②]	Rear	1.836

Distance [mm]	SPLSR ≤ 0.04 Limit	Numbering	Mode	SAR W/kg	Coordinates		
					X	Y	Z
99.31	0.03	①	LTE Band 2 + 5G NR n5	0.990	0.04310	-0.10200	-0.17700
		②	WLAN 2.4 GHz Ant.1	0.846	-0.05260	-0.07640	-0.18400

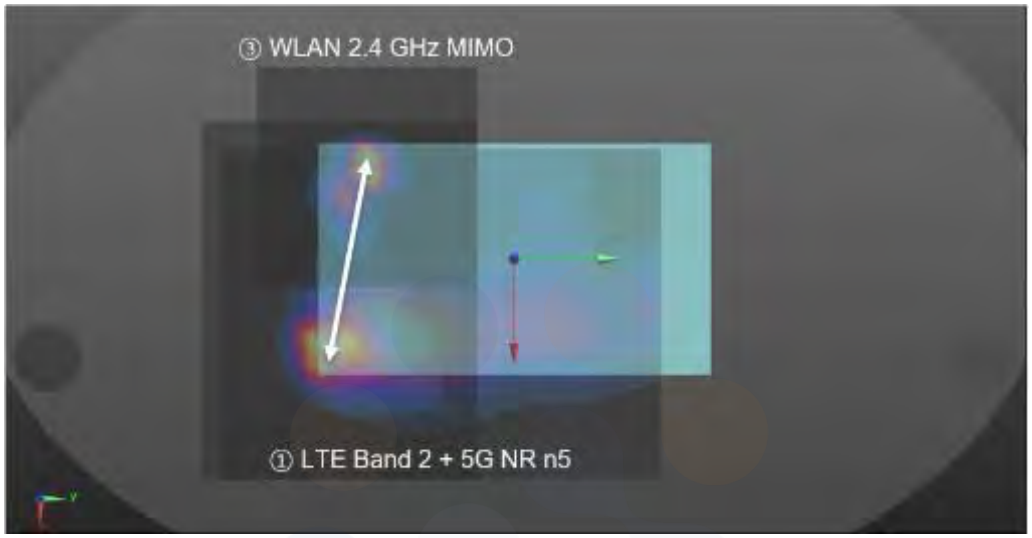


Scenario No.		Scenario		Position		SUM	
3		[①]+[④]		Rear		2.158	
Distance [mm]	**SPLSR ≤ 0.04 Limit**	**Numbering**	**Mode**	**SAR W/kg**	**Coordinates**		
					X	**Y**	**Z**
76.91	0.04	①	LTE Band 2 + 5G NR n5	0.990	0.04310	-0.10200	-0.17700
		④	WLAN 5 GHz Ant.2	1.168	-0.03340	-0.09820	-0.18400



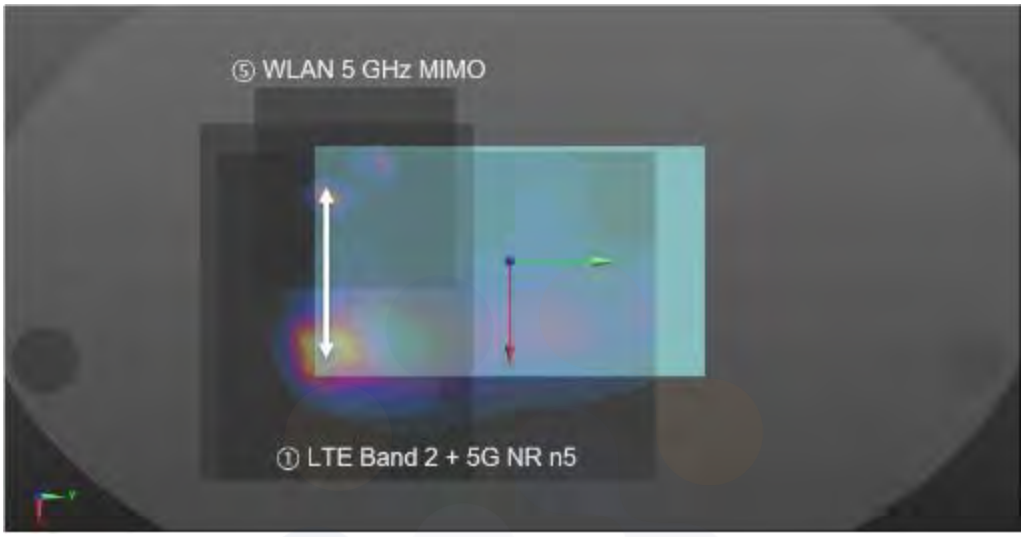
Scenario No.	Scenario	Position	SUM
4	[①]+[③]	Rear	2.126

Distance [mm]	SPLSR ≤ 0.04 Limit	Numbering	Mode	SAR W/kg	Coordinates		
					X	Y	Z
97.61	0.03	①	LTE Band 2 + 5G NR n5	0.990	0.04310	-0.10200	-0.17700
		③	WLAN 2.4 GHz MIMO	1.136	-0.05120	-0.07780	-0.18400



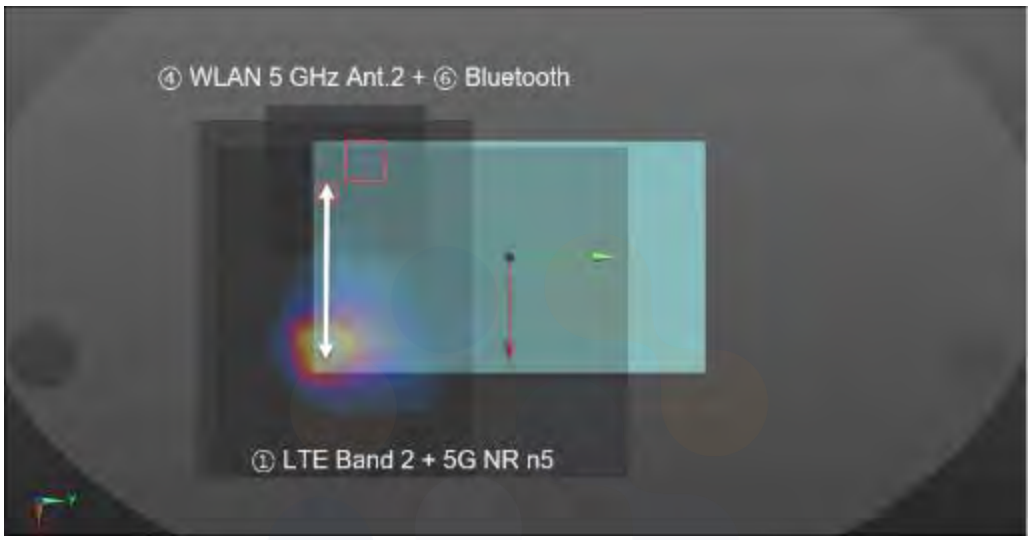
Scenario No.	Scenario	Position	SUM
5	[①]+[⑤]	Rear	2.112

Distance [mm]	SPLSR ≤ 0.04 Limit	Numbering	Mode	SAR W/kg	Coordinates		
					X	Y	Z
89.58	0.03	①	LTE Band 2 + 5G NR n5	0.990	0.04310	-0.10200	-0.17700
		⑤	WLAN 5 GHz MIMO	1.122	-0.04620	-0.10300	-0.18400



Scenario No.	Scenario	Position	SUM
6	[①]+[④]+[⑥]	Rear	3.021

Distance [mm]	SPLSR ≤ 0.04 Limit	Numbering	Mode	SAR W/kg	Coordinates		
					X	Y	Z
78.57	0.04	①	LTE Band 2 + 5G NR n5	0.990	0.04310	-0.10200	-0.17700
		④⑥ (Hybird)	WLAN 5 GHz Ant.2 + Bluetooth	1.160	-0.03500	-0.09700	-0.18400

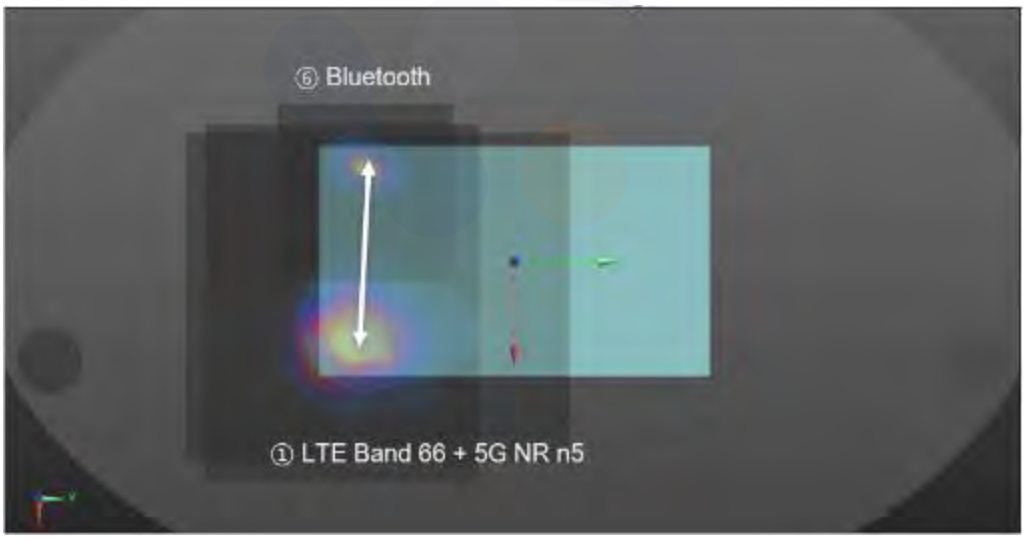


13.4.4.7 LTE Band 66 + 5G NR n5 - (Sensor On)

licensed	WLAN 2.4 GHz Ant.1	WLAN 2.4 GHz MIMO	WLAN 5 GHz Ant.2	WLAN 5 GHz MIMO	Bluetooth
[①]	[②]	[③]	[④]	[⑤]	[⑥]

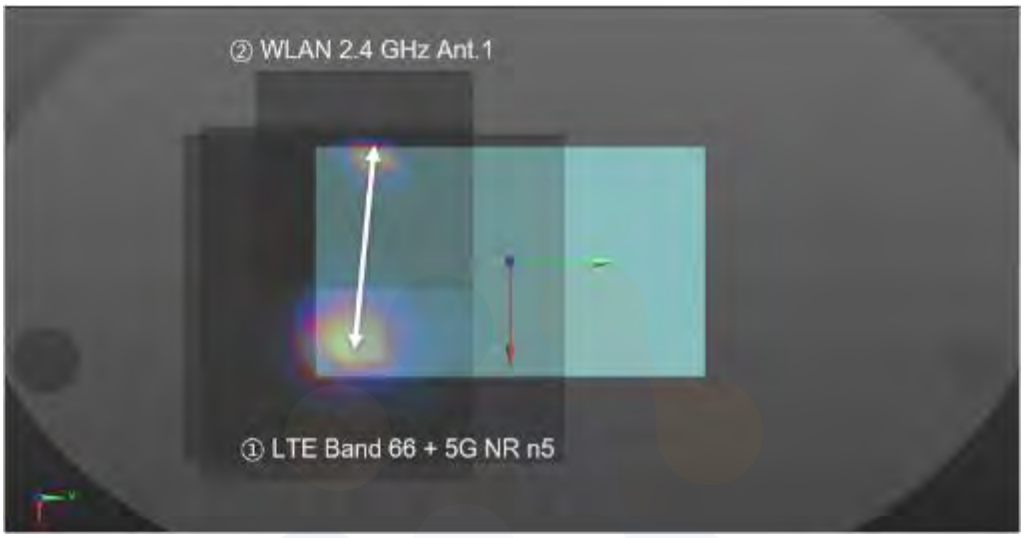
LTE Band 66 + 5G NR n5 SPLSR – Rear Position						
Scenario No.	No.1	No.2	No.3	No.4	No.5	No.6
Scenario	[①]+[⑥]	[①]+[②]	[①]+[④]	[①]+[③]	[①]+[⑤]	[①]+[④]+[⑥]
Rear	1.621	1.604	1.926	1.894	1.880	2.789
Volume scan	Not Required					

Scenario No.		Scenario		Position		SUM	
1		[①]+[⑥]		Rear		1.621	
Distance [mm]	SPLSR ≤ 0.04 Limit	Numbering	Mode	SAR W/kg	Coordinates		
					X	Y	Z
96.44	0.02	①	LTE Band 66 + 5G NR n5	0.758	0.04390	-0.08550	-0.17900
		⑥	Bluetooth	0.863	-0.05220	-0.08000	-0.18500

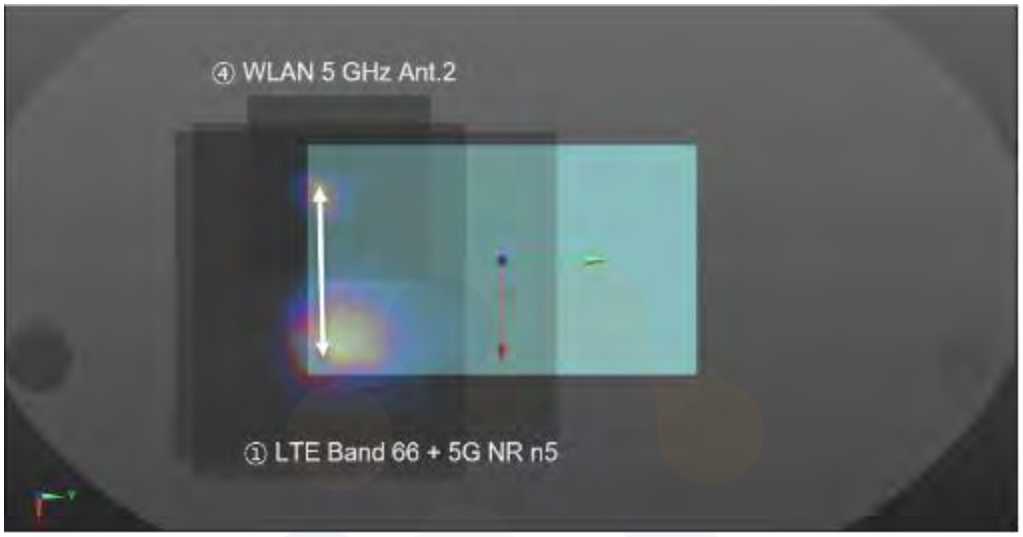


Scenario No.	Scenario	Position	SUM
2	[①]+[②]	Rear	1.604

Distance [mm]	SPLSR ≤ 0.04 Limit	Numbering	Mode	SAR W/kg	Coordinates		
					X	Y	Z
97.06	0.02	①	LTE Band 66 + 5G NR n5	0.758	0.04390	-0.08550	-0.17900
		②	WLAN 2.4 GHz Ant.1	0.846	-0.05260	-0.07640	-0.18400

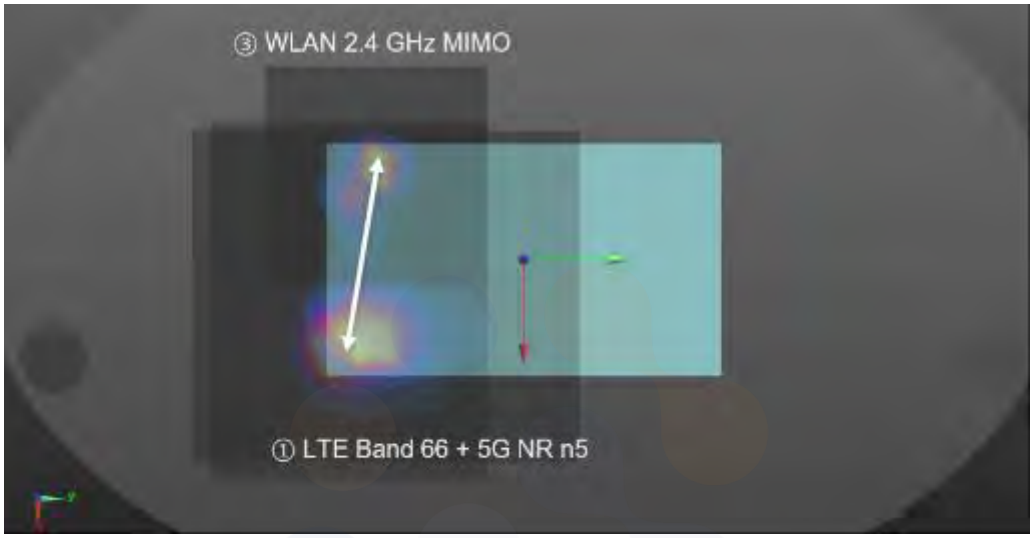


Scenario No.		Scenario		Position		SUM	
3		[①]+[④]		Rear		1.926	
Distance [mm]	SPLSR ≤ 0.04 Limit	Numbering	Mode	SAR W/kg	Coordinates		
					X	Y	Z
76.91	0.04	①	LTE Band 66 + 5G NR n5	0.758	0.04310	-0.10200	-0.17700
		④	WLAN 5 GHz Ant.2	1.168	-0.03340	-0.09820	-0.18400



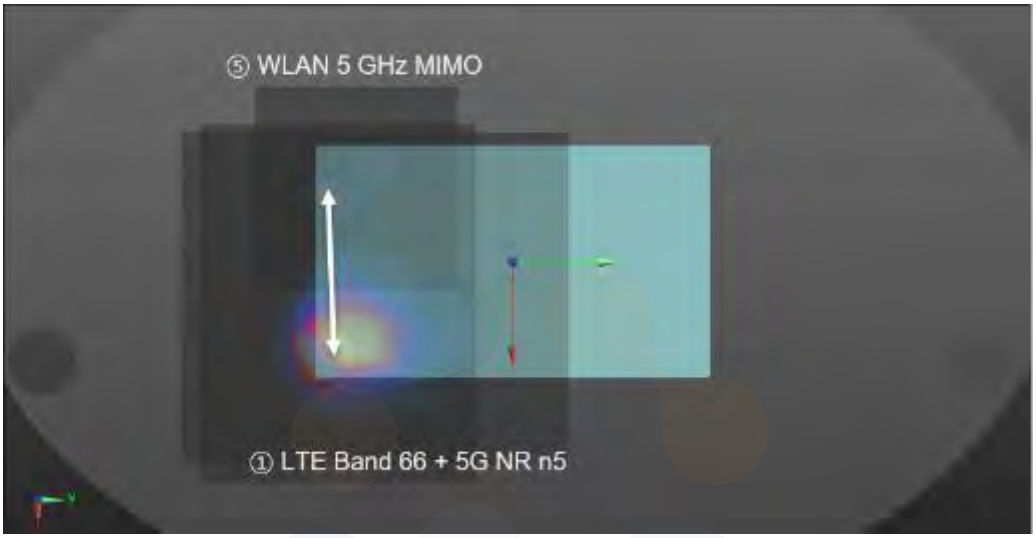
Scenario No.	Scenario	Position	SUM
4	[①]+[③]	Rear	1.894

Distance [mm]	SPLSR ≤ 0.04 Limit	Numbering	Mode	SAR W/kg	Coordinates		
					X	Y	Z
95.54	0.03	①	LTE Band 66 + 5G NR n5	0.758	0.04390	-0.08550	-0.17900
		③	WLAN 2.4 GHz MIMO	1.136	-0.05120	-0.07780	-0.18400



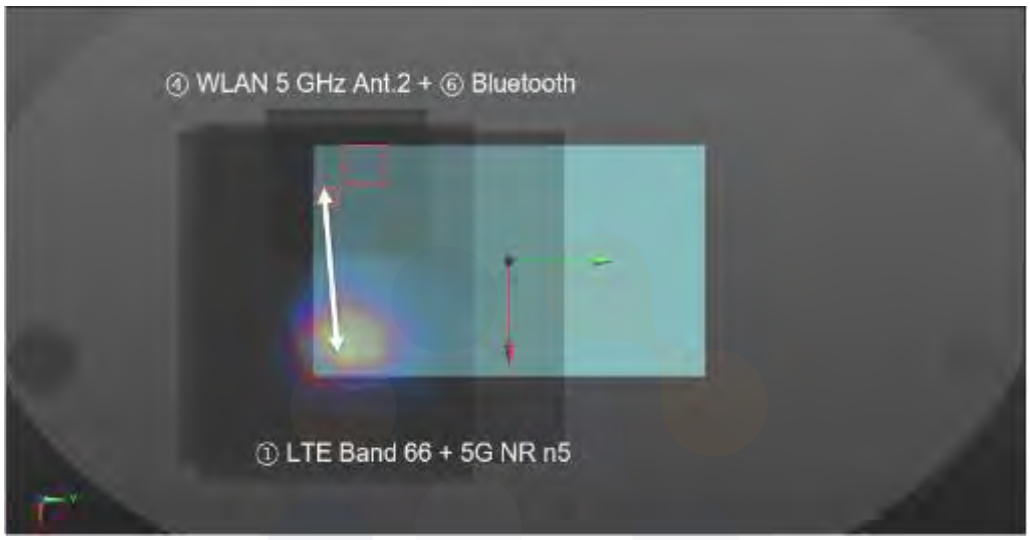
Scenario No.	Scenario	Position	SUM
5	[①]+[⑤]	Rear	1.880

Distance [mm]	SPLSR ≤ 0.04 Limit	Numbering	Mode	SAR W/kg	Coordinates		
					X	Y	Z
89.58	0.03	①	LTE Band 66 + 5G NR n5	0.758	0.04310	-0.10200	-0.17700
		⑤	WLAN 5 GHz MIMO	1.122	-0.04620	-0.10300	-0.18400



Scenario No.	Scenario	Position	SUM
6	[①]+[④]+[⑥]	Rear	2.789

Distance [mm]	SPLSR ≤ 0.04 Limit	Numbering	Mode	SAR W/kg	Coordinates		
					X	Y	Z
78.57	0.03	①	LTE Band 66 + 5G NR n5	0.758	0.04310	-0.10200	-0.17700
		④⑥ (Hybird)	WLAN 5 GHz Ant.2 + Bluetooth	1.160	-0.03500	-0.09700	-0.18400

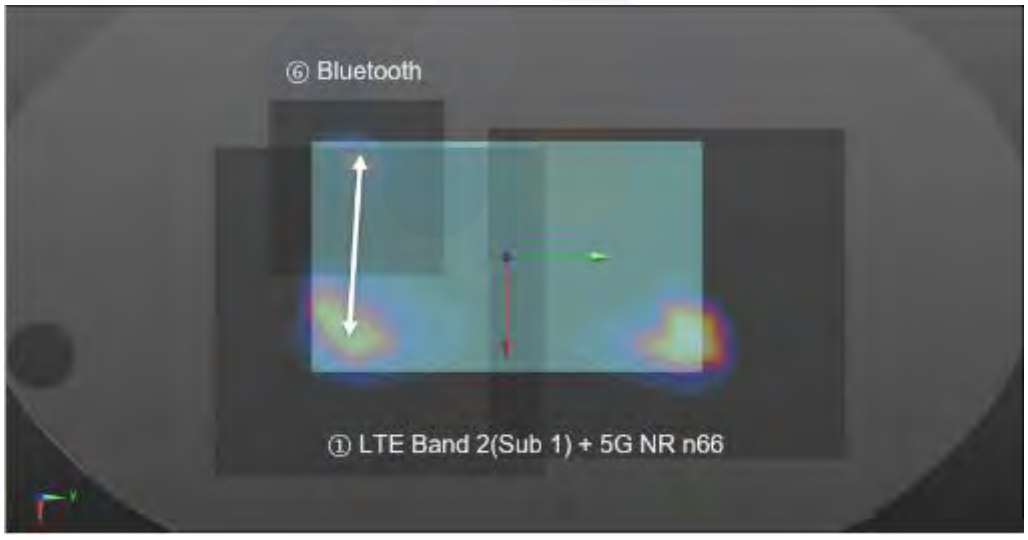


13.4.4.8 LTE Band 2 (Sub1) + 5G NR n66 - (Sensor On)

licensed	WLAN 2.4 GHz Ant.1	WLAN 2.4 GHz MIMO	WLAN 5 GHz Ant.2	WLAN 5 GHz MIMO	Bluetooth
[①]	[②]	[③]	[④]	[⑤]	[⑥]

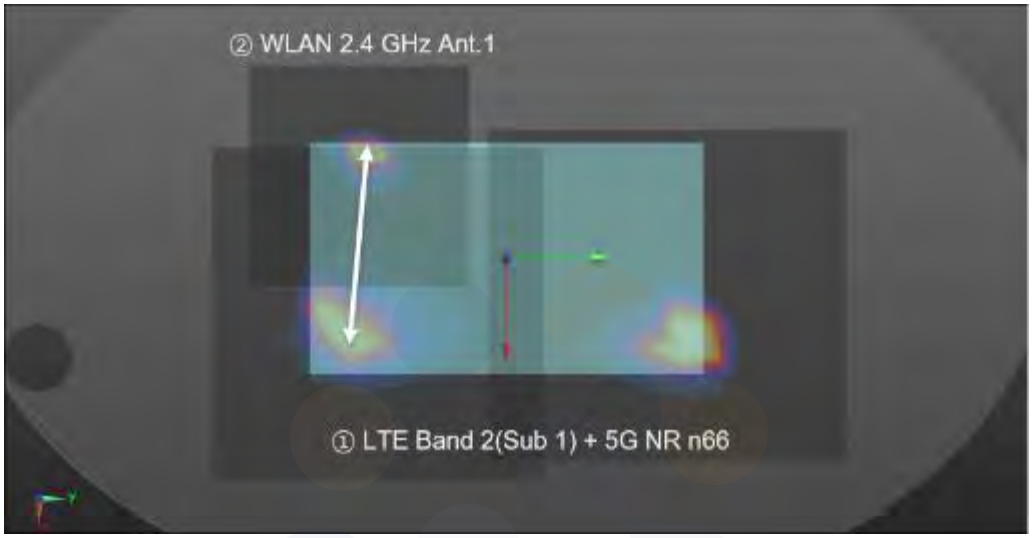
LTE Band 2 (Sub1) + 5G NR n66 SPLSR – Rear Position						
Scenario No.	No.1	No.2	No.3	No.4	No.5	No.6
Scenario	[①]+[⑥]	[①]+[②]	[①]+[④]	[①]+[③]	[①]+[⑤]	[①]+[④]+[⑥]
Rear	1.786	1.769	2.091	2.059	2.045	2.954
Volume scan	Not Required					

Scenario No.		Scenario		Position	SUM		
1		[①]+[⑥]		Rear	1.786		
Distance [mm]	SPLSR ≤ 0.04 Limit	Numbering	Mode	SAR W/kg	Coordinates		
					X	Y	Z
99.52	0.02	①	LTE Band 2 (Sub 1) + 5G NR n66	0.923	0.04680	-0.08820	-0.17900
		⑥	Bluetooth	0.863	-0.05220	-0.08000	-0.18500



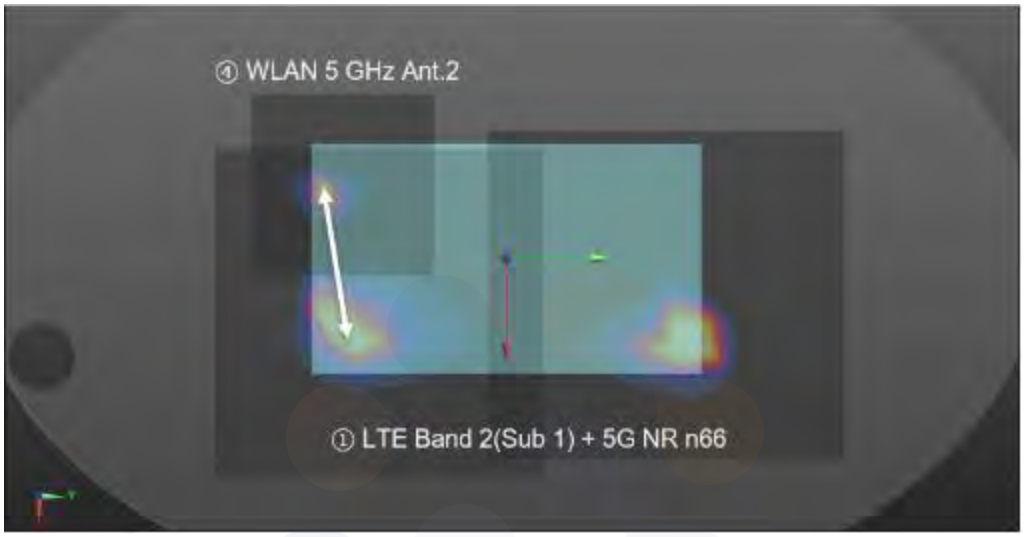
Scenario No.	Scenario	Position	SUM
2	[①]+[②]	Rear	1.769

Distance [mm]	SPLSR ≤ 0.04 Limit	Numbering	Mode	SAR W/kg	Coordinates		
					X	Y	Z
100.22	0.02	①	LTE Band 2 (Sub 1) + 5G NR n66	0.923	0.04680	-0.08820	-0.17900
		②	WLAN 2.4 GHz Ant.1	0.846	-0.05260	-0.07640	-0.18400



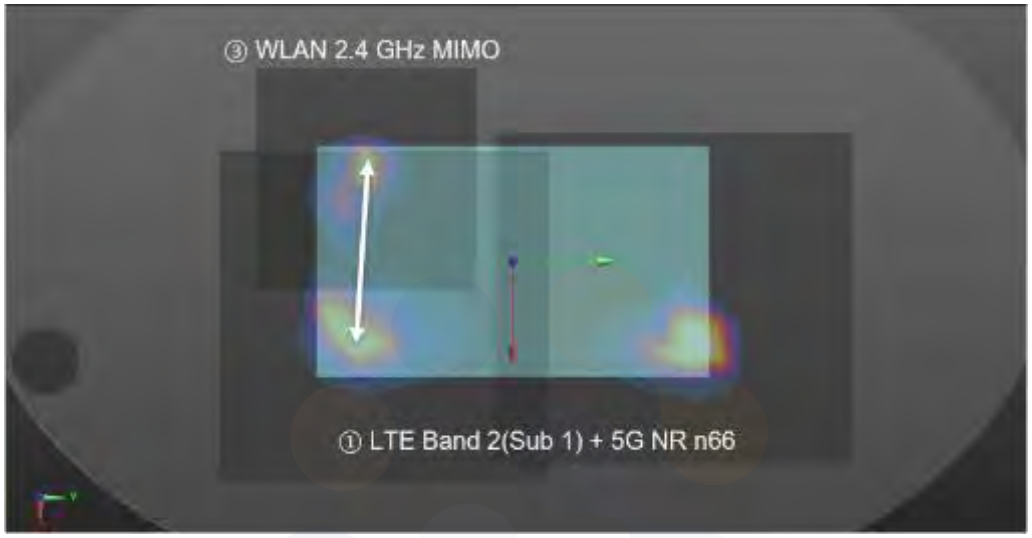
Scenario No.	Scenario	Position	SUM
3	[①]+[④]	Rear	2.091

Distance [mm]	SPLSR ≤ 0.04 Limit	Numbering	Mode	SAR W/kg	Coordinates		
					X	Y	Z
80.98	0.04	①	LTE Band 2 (Sub 1) + 5G NR n66	0.923	0.04680	-0.08820	-0.17900
		④	WLAN 5 GHz Ant.2	1.168	-0.03340	-0.09820	-0.18400

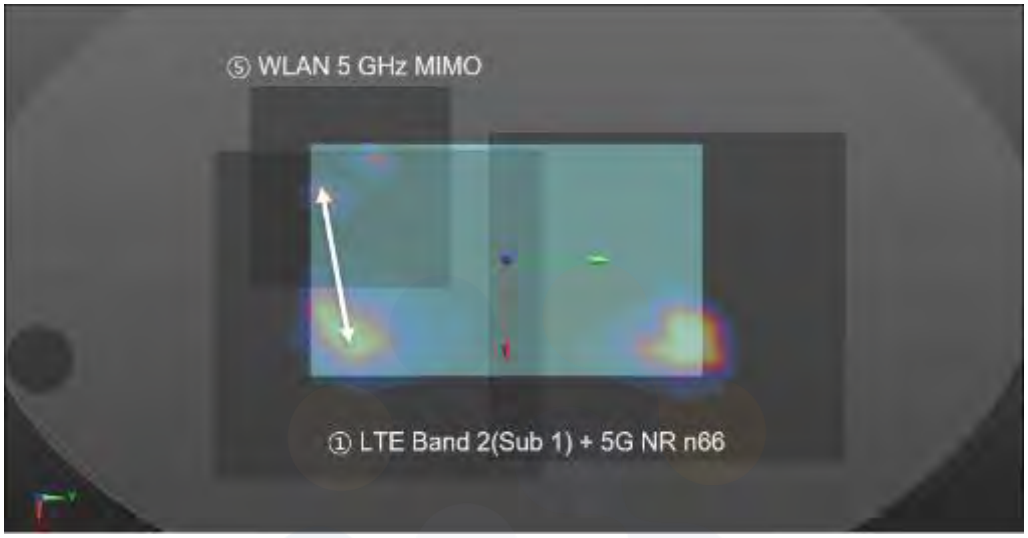


Scenario No.	Scenario	Position	SUM
4	[①]+[③]	Rear	2.059

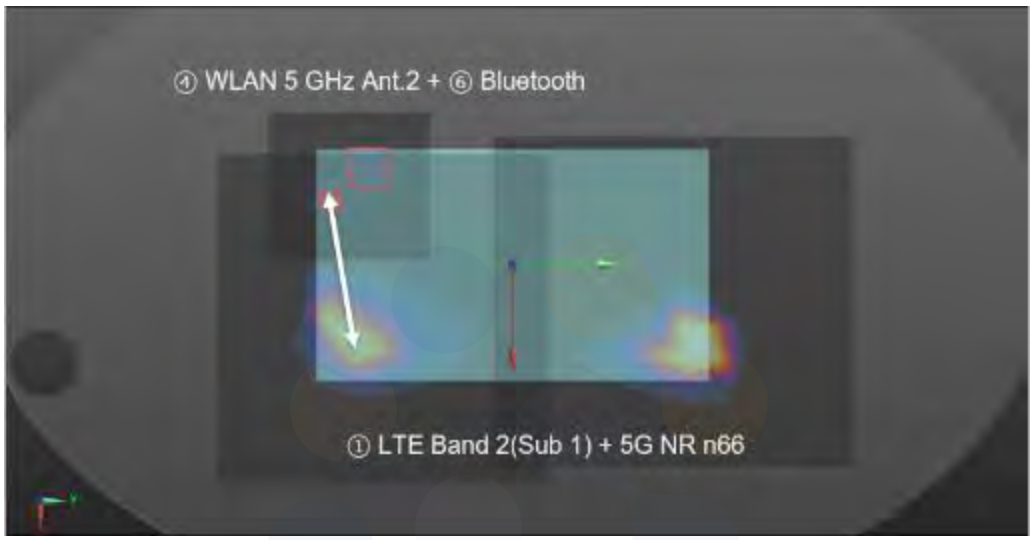
Distance [mm]	SPLSR ≤ 0.04 Limit	Numbering	Mode	SAR W/kg	Coordinates		
					X	Y	Z
98.68	0.03	①	LTE Band 2 (Sub 1) + 5G NR n66	0.923	0.04680	-0.08820	-0.17900
		③	WLAN 2.4 GHz MIMO	1.136	-0.05120	-0.07780	-0.18400



Scenario No.		Scenario		Position		SUM	
5		[①]+[⑤]		Rear		2.045	
Distance [mm]	SPLSR ≤ 0.04 Limit	Numbering	Mode	SAR W/kg	Coordinates		
					X	Y	Z
94.30	0.03	①	LTE Band 2 (Sub 1) + 5G NR n66	0.923	0.04680	-0.08820	-0.17900
		⑤	WLAN 5 GHz MIMO	1.122	-0.04620	-0.10300	-0.18400



Scenario No.		Scenario		Position		SUM	
6		[①]+[④]+[⑥]		Rear		2.954	
Distance [mm]	SPLSR ≤ 0.04 Limit	Numbering	Mode	SAR W/kg	Coordinates		
					X	Y	Z
82.42	0.04	①	LTE Band 2 (Sub 1) + 5G NR n66	0.923	0.04680	-0.08820	-0.17900
		④⑥ (Hybird)	WLAN 5 GHz Ant.2 + Bluetooth	1.160	-0.03500	-0.09700	-0.18400

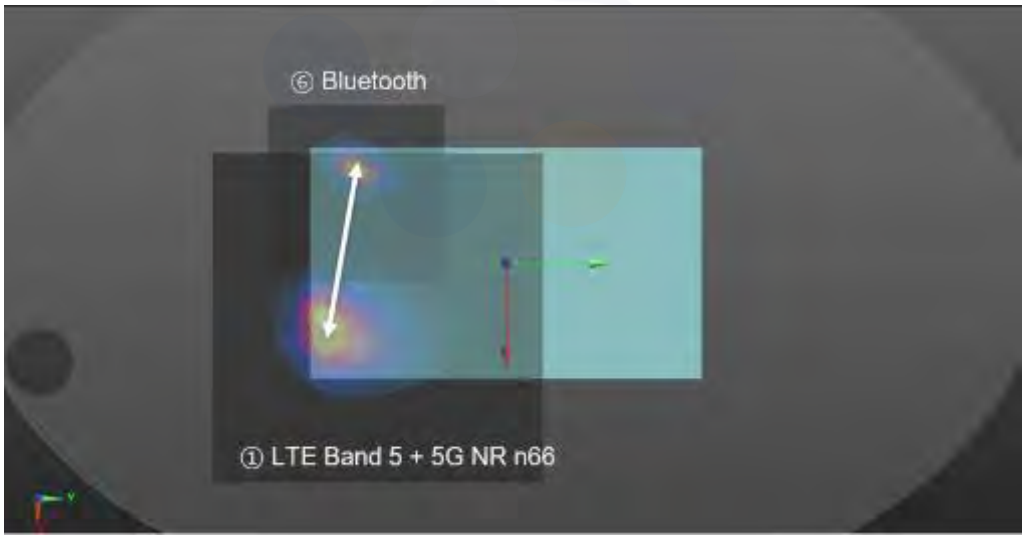


13.4.4.9 LTE Band 5 + 5G NR n66 - (Sensor On)

licensed	WLAN 2.4 GHz Ant.1	WLAN 2.4 GHz MIMO	WLAN 5 GHz Ant.2	WLAN 5 GHz MIMO	Bluetooth
[①]	[②]	[③]	[④]	[⑤]	[⑥]

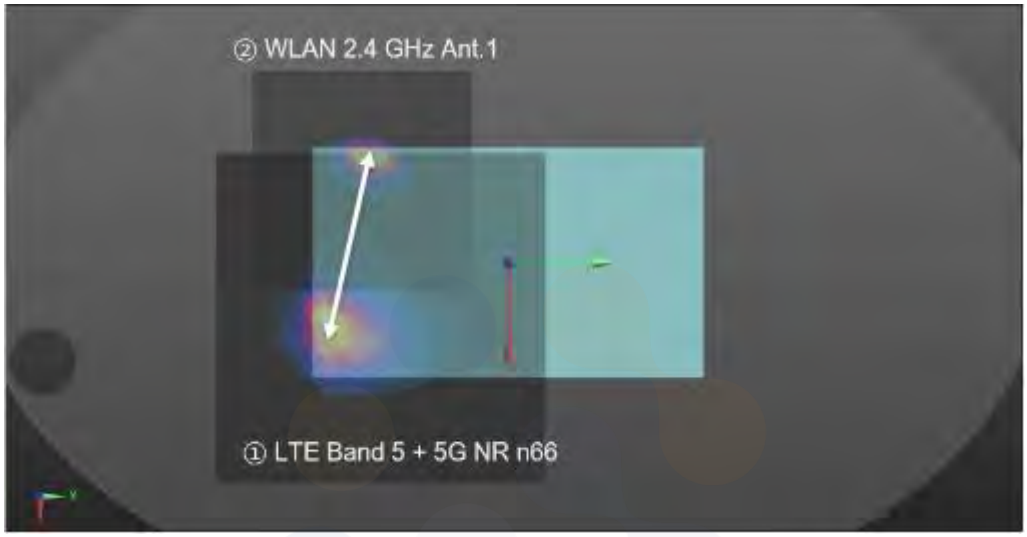
LTE Band 5 + 5G NR n66 SPLSR – Rear Position						
Scenario No.	No.1	No.2	No.3	No.4	No.5	No.6
Scenario	[①]+[⑥]	[①]+[②]	[①]+[④]	[①]+[③]	[①]+[⑤]	[①]+[④]+[⑥]
Rear	1.779	1.762	2.084	2.052	2.038	2.947
Volume scan	Not Required					

Scenario No.		Scenario		Position		SUM	
1		[①]+[⑥]		Rear		1.779	
Distance [mm]	SPLSR ≤ 0.04 Limit	Numbering	Mode	SAR W/kg	Coordinates		
					X	Y	Z
88.85	0.03	①	LTE Band 5 + 5G NR n66	0.916	0.03450	-0.09850	-0.17900
		⑥	Bluetooth	0.863	-0.05220	-0.08000	-0.18500



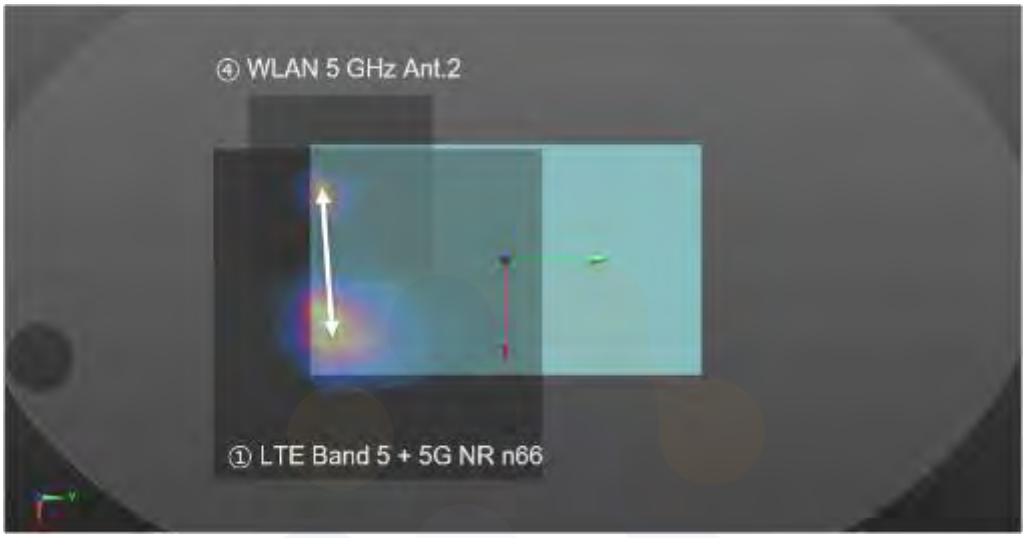
Scenario No.	Scenario	Position	SUM
2	[①]+[②]	Rear	1.762

Distance [mm]	SPLSR ≤ 0.04 Limit	Numbering	Mode	SAR W/kg	Coordinates		
					X	Y	Z
90.00	0.03	①	LTE Band 5 + 5G NR n66	0.916	0.03450	-0.09850	-0.17900
		②	WLAN 2.4 GHz Ant.1	0.846	-0.05260	-0.07640	-0.18400



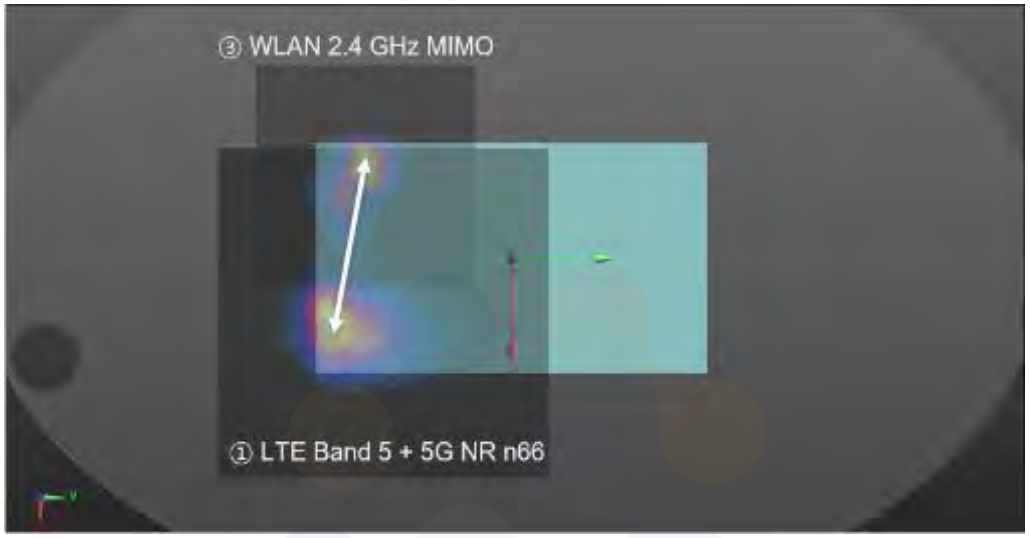
Scenario No.	Scenario	Position	SUM
3	[①]+[④]	Rear	2.084

Distance [mm]	SPLSR ≤ 0.04 Limit	Numbering	Mode	SAR W/kg	Coordinates		
					X	Y	Z
68.08	0.04	①	LTE Band 5 + 5G NR n66	0.916	0.03450	-0.09850	-0.17900
		④	WLAN 5 GHz Ant.2	1.168	-0.03340	-0.09820	-0.18400



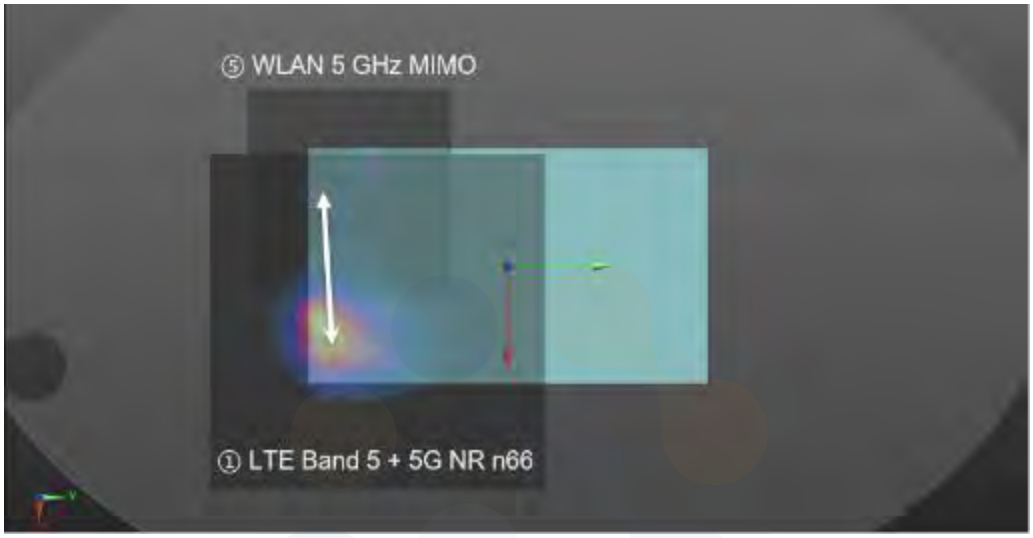
Scenario No.	Scenario	Position	SUM
4	[①]+[③]	Rear	2.052

Distance [mm]	SPLSR ≤ 0.04 Limit	Numbering	Mode	SAR W/kg	Coordinates		
					X	Y	Z
88.31	0.03	①	LTE Band 5 + 5G NR n66	0.916	0.03450	-0.09850	-0.17900
		③	WLAN 2.4 GHz MIMO	1.136	-0.05120	-0.07780	-0.18400

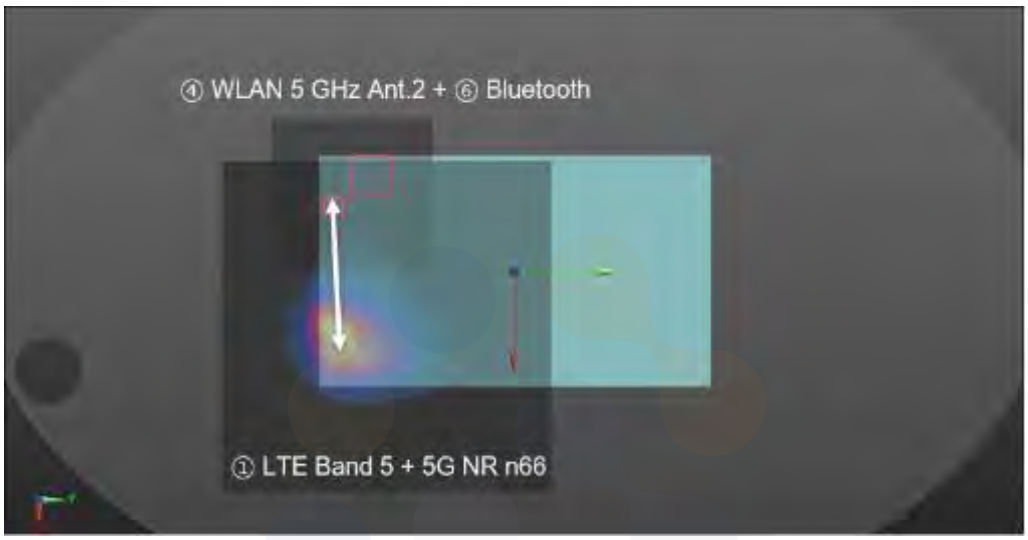


Scenario No.	Scenario	Position	SUM
5	[①]+[⑤]	Rear	2.038

Distance [mm]	SPLSR ≤ 0.04 Limit	Numbering	Mode	SAR W/kg	Coordinates		
					X	Y	Z
80.98	0.04	①	LTE Band 5 + 5G NR n66	0.916	0.03450	-0.09850	-0.17900
		⑤	WLAN 5 GHz MIMO	1.122	-0.04620	-0.10300	-0.18400



Scenario No.		Scenario		Position		SUM	
6		[①]+[④]+[⑥]		Rear		2.947	
Distance [mm]	SPLSR ≤ 0.04 Limit	Numbering	Mode	SAR W/kg	Coordinates		
					X	Y	Z
69.70	0.04	①	LTE Band 5 + 5G NR n66	0.916	0.03450	-0.09850	-0.17900
		④⑥ (Hybird)	WLAN 5 GHz Ant.2 + Bluetooth	1.160	-0.03500	-0.09700	-0.18400



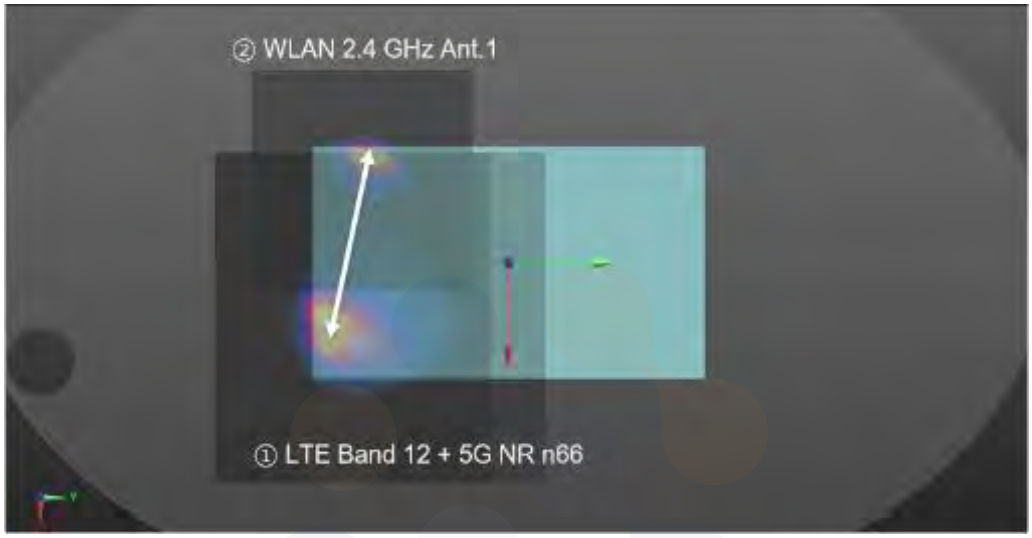
13.4.4.10 LTE Band 12 + 5G NR n66 - (Sensor On)

licensed	WLAN 2.4 GHz Ant.1	WLAN 2.4 GHz MIMO	WLAN 5 GHz Ant.2	WLAN 5 GHz MIMO	Bluetooth
[①]	[②]	[③]	[④]	[⑤]	[⑥]

LTE Band 12 + 5G NR n66 SPLSR – Rear Position						
Scenario No.	No.1	No.2	No.3	No.4	No.5	No.6
Scenario	[①]+[⑥]	[①]+[②]	[①]+[④]	[①]+[③]	[①]+[⑤]	[①]+[④]+[⑥]
Rear	1.725	1.708	2.030	1.998	1.984	2.893
Volume scan	Not Required					

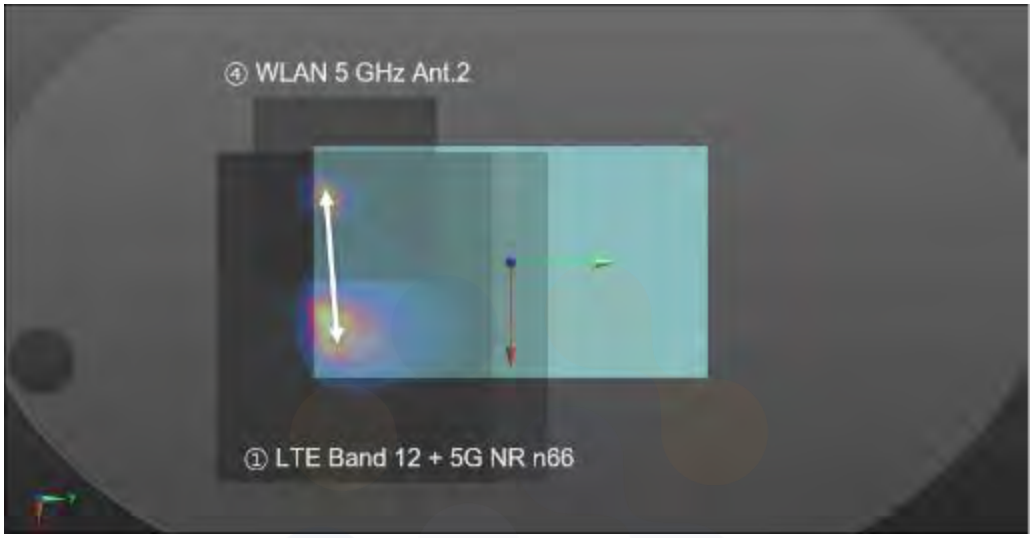
Scenario No.		Scenario		Position		SUM	
1		[①]+[⑥]		Rear		1.725	
Distance [mm]	SPLSR ≤ 0.04 Limit	Numbering	Mode	SAR W/kg	Coordinates		
					X	Y	Z
88.16	0.03	①	LTE Band 12 + 5G NR n66	0.862	0.03410	-0.09700	-0.17900
		⑥	Bluetooth	0.863	-0.05220	-0.08000	-0.18500

Scenario No.		Scenario		Position		SUM	
2		[①]+[②]		Rear		1.708	
Distance [mm]	SPLSR ≤ 0.04 Limit	Numbering	Mode	SAR W/kg	Coordinates		
					X	Y	Z
89.25	0.03	①	LTE Band 12 + 5G NR n66	0.862	0.03410	-0.09700	-0.17900
		②	WLAN 2.4 GHz Ant.1	0.846	-0.05260	-0.07640	-0.18400



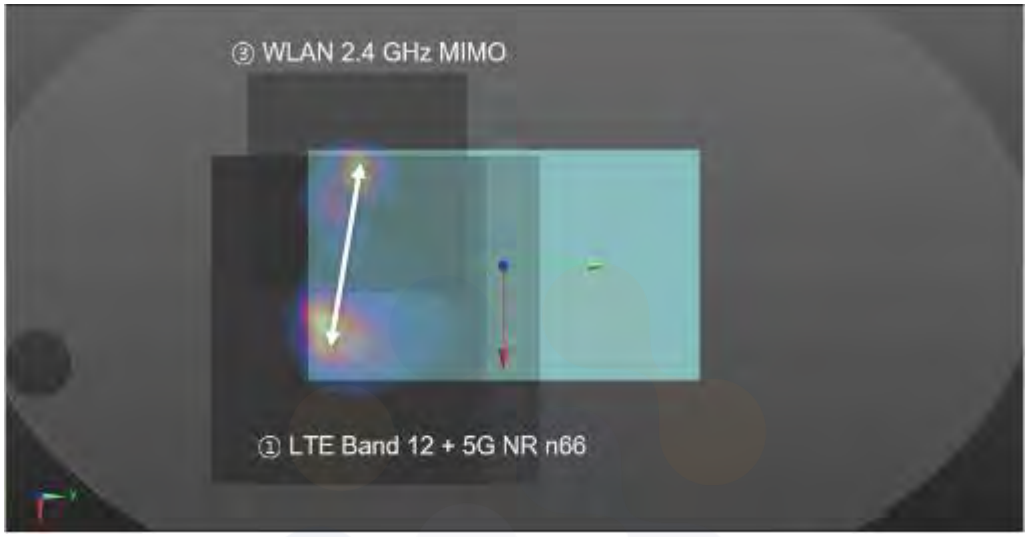
Scenario No.	Scenario	Position	SUM
3	[①]+[④]	Rear	2.030

Distance [mm]	SPLSR ≤ 0.04 Limit	Numbering	Mode	SAR W/kg	Coordinates		
					X	Y	Z
67.70	0.04	①	LTE Band 12 + 5G NR n66	0.862	0.03410	-0.09700	-0.17900
		④	WLAN 5 GHz Ant.2	1.168	-0.03340	-0.09820	-0.18400



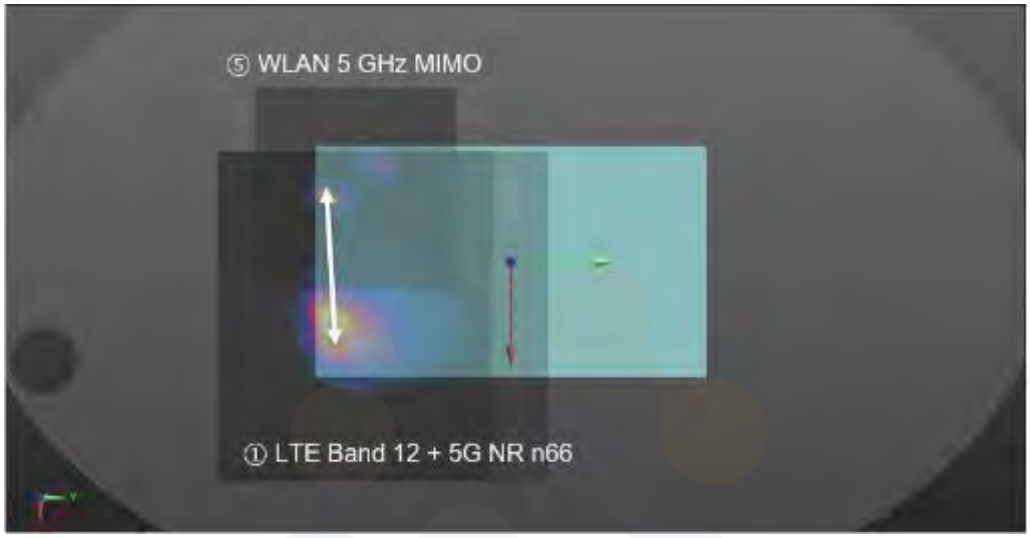
Scenario No.	Scenario	Position	SUM
4	[①]+[③]	Rear	1.998

Distance [mm]	SPLSR ≤ 0.04 Limit	Numbering	Mode	SAR W/kg	Coordinates		
					X	Y	Z
87.58	0.03	①	LTE Band 12 + 5G NR n66	0.862	0.03410	-0.09700	-0.17900
		③	WLAN 2.4 GHz MIMO	1.136	-0.05120	-0.07780	-0.18400



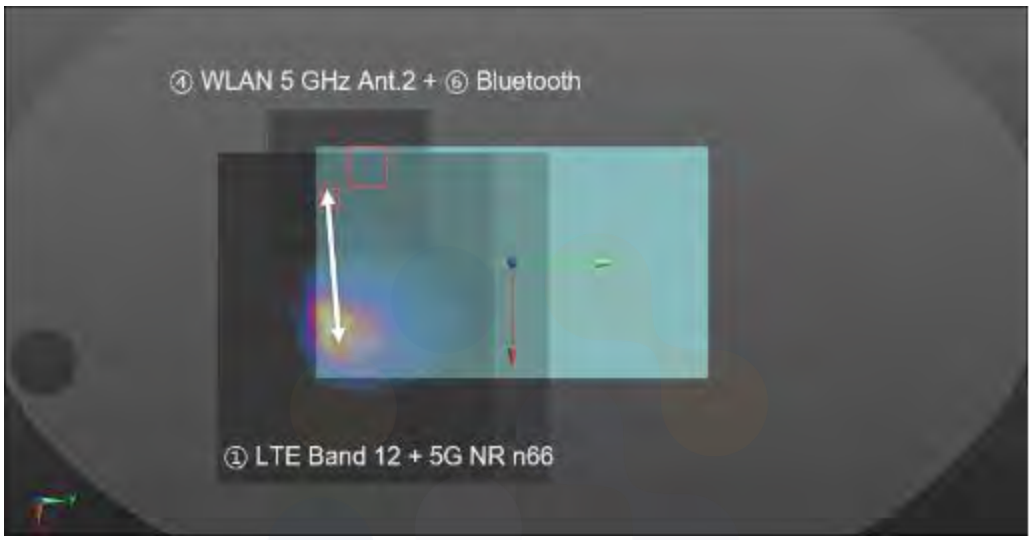
Scenario No.	Scenario	Position	SUM
5	[①]+[⑤]	Rear	1.984

Distance [mm]	SPLSR ≤ 0.04 Limit	Numbering	Mode	SAR W/kg	Coordinates		
					X	Y	Z
80.68	0.04	①	LTE Band 12 + 5G NR n66	0.862	0.03410	-0.09700	-0.17900
		⑤	WLAN 5 GHz MIMO	1.122	-0.04620	-0.10300	-0.18400



Scenario No.	Scenario	Position	SUM
6	[①]+[④]+[⑥]	Rear	2.893

Distance [mm]	SPLSR ≤ 0.04 Limit	Numbering	Mode	SAR W/kg	Coordinates		
					X	Y	Z
69.28	0.04	①	LTE Band 12 + 5G NR n66	0.862	0.03410	-0.09700	-0.17900
		④⑥ (Hybird)	WLAN 5 GHz Ant.2 + Bluetooth	1.160	-0.03500	-0.09700	-0.18400



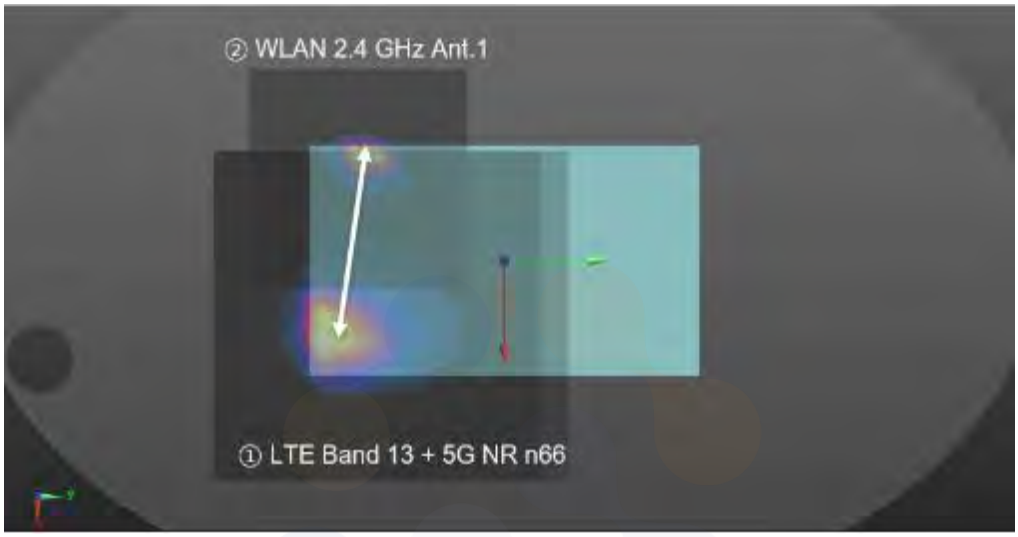
13.4.4.11 LTE Band 13 + 5G NR n66 - (Sensor On)

licensed	WLAN 2.4 GHz Ant.1	WLAN 2.4 GHz MIMO	WLAN 5 GHz Ant.2	WLAN 5 GHz MIMO	Bluetooth
[①]	[②]	[③]	[④]	[⑤]	[⑥]

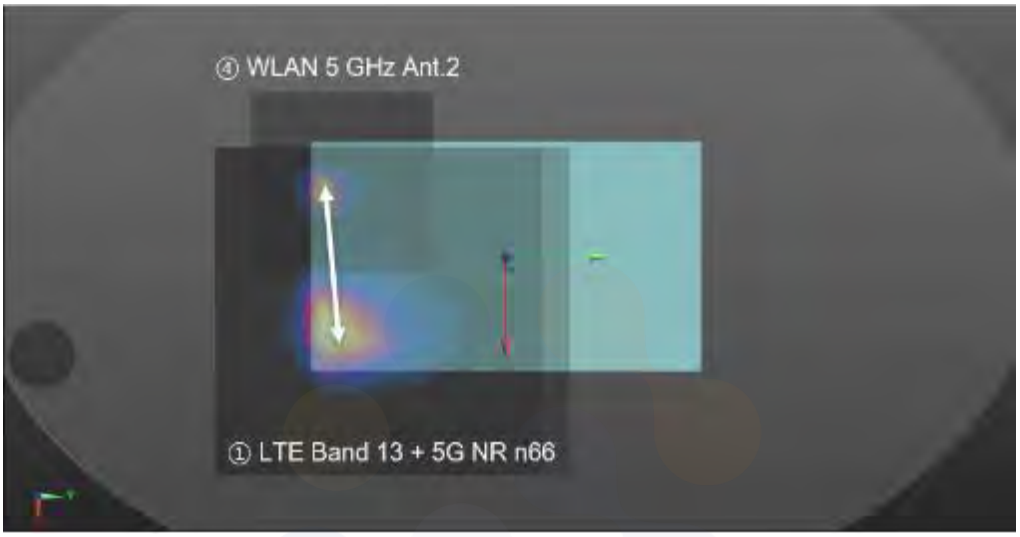
LTE Band 13 + 5G NR n66 SPLSR – Rear Position						
Scenario No.	No.1	No.2	No.3	No.4	No.5	No.6
Scenario	[①]+[⑥]	[①]+[②]	[①]+[④]	[①]+[③]	[①]+[⑤]	[①]+[④]+[⑥]
Rear	1.765	1.748	2.070	2.038	2.024	2.933
Volume scan	Not Required					

Scenario No.		Scenario		Position		SUM	
1		[①]+[⑥]		Rear		1.765	
Distance [mm]	SPLSR ≤ 0.04 Limit	Numbering	Mode	SAR W/kg	Coordinates		
					X	Y	Z
89.36	0.03	①	LTE Band 13 + 5G NR n66	0.902	0.03560	-0.09550	-0.17900
		⑥	Bluetooth	0.863	-0.05220	-0.08000	-0.18500

Scenario No.		Scenario		Position		SUM	
2		[①]+[②]		Rear		1.748	
Distance [mm]	SPLSR ≤ 0.04 Limit	Numbering	Mode	SAR W/kg	Coordinates		
					X	Y	Z
90.38	0.03	①	LTE Band 13 + 5G NR n66	0.902	0.03560	-0.09550	-0.17900
		②	WLAN 2.4 GHz Ant.1	0.846	-0.05260	-0.07640	-0.18400

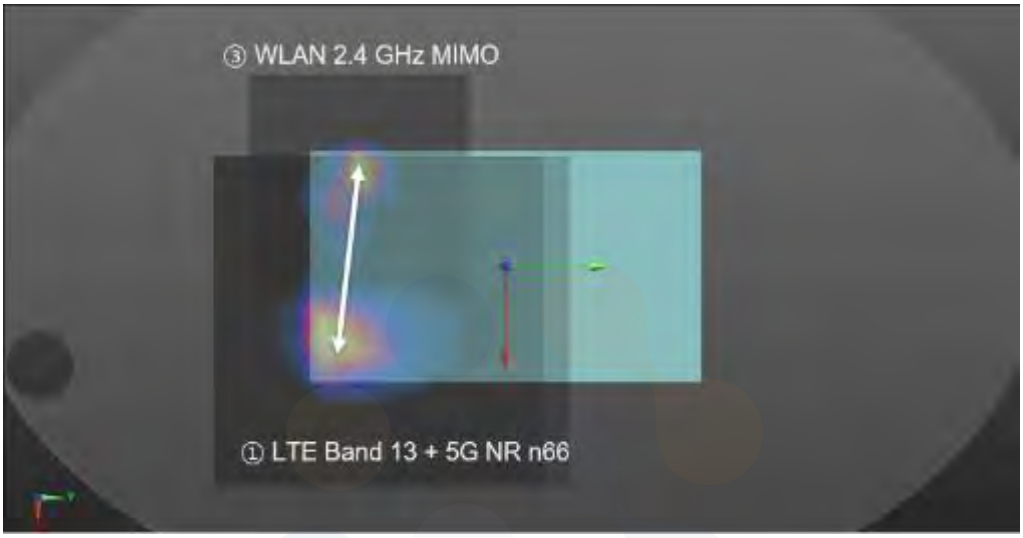


Scenario No.		Scenario		Position		SUM	
3		[①]+[④]		Rear		2.070	
Distance [mm]	SPLSR ≤ 0.04 Limit	Numbering	Mode	SAR W/kg	Coordinates		
					X	Y	Z
69.23	0.04	①	LTE Band 13 + 5G NR n66	0.902	0.03560	-0.09550	-0.17900
		④	WLAN 5 GHz Ant.2	1.168	-0.03340	-0.09820	-0.18400



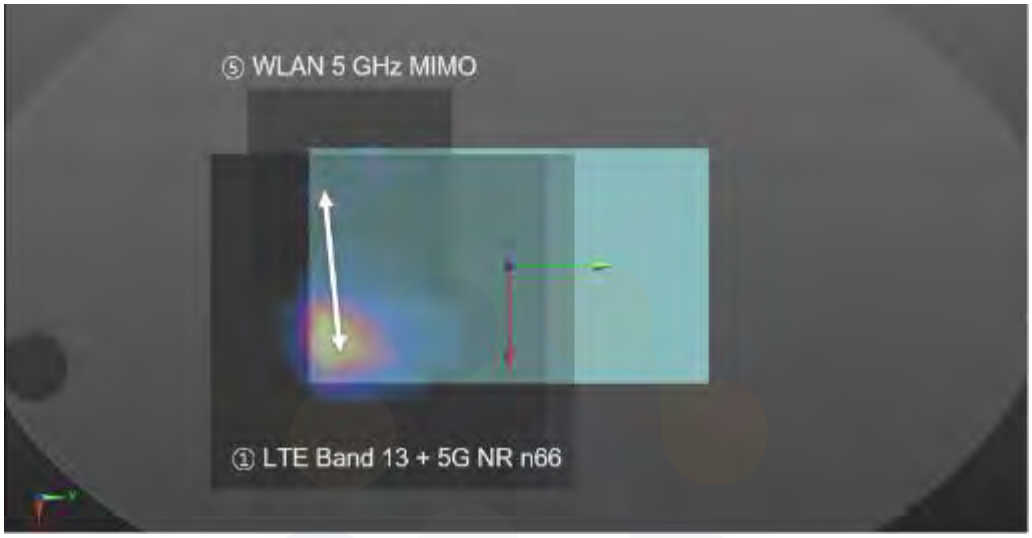
Scenario No.	Scenario	Position	SUM
4	[①]+[③]	Rear	2.038

Distance [mm]	SPLSR ≤ 0.04 Limit	Numbering	Mode	SAR W/kg	Coordinates		
					X	Y	Z
88.73	0.03	①	LTE Band 13 + 5G NR n66	0.902	0.03560	-0.09550	-0.17900
		③	WLAN 2.4 GHz MIMO	1.136	-0.05120	-0.07780	-0.18400



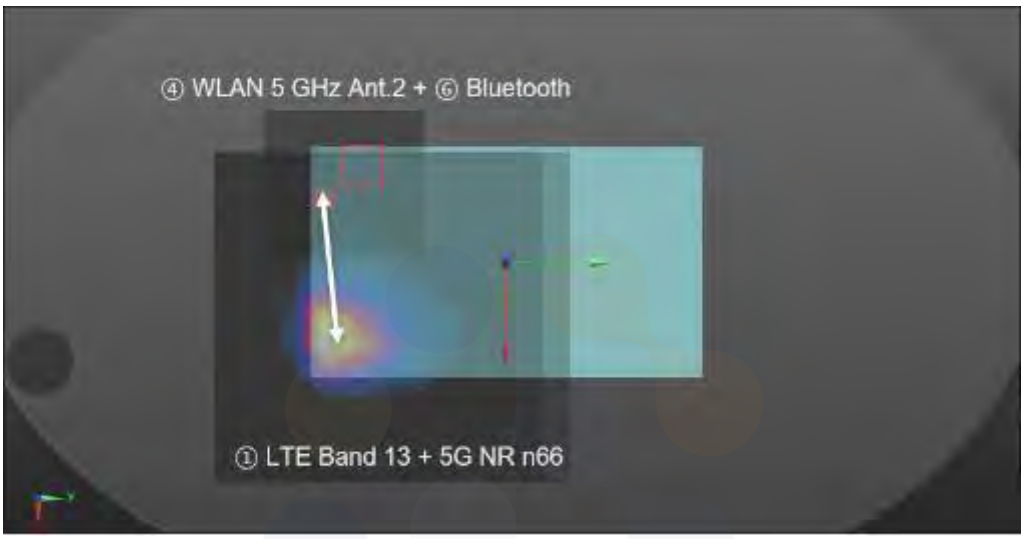
Scenario No.	Scenario	Position	SUM
5	[①]+[⑤]	Rear	2.024

Distance [mm]	SPLSR ≤ 0.04 Limit	Numbering	Mode	SAR W/kg	Coordinates		
					X	Y	Z
82.30	0.04	①	LTE Band 13 + 5G NR n66	0.902	0.03560	-0.09550	-0.17900
		⑤	WLAN 5 GHz MIMO	1.122	-0.04620	-0.10300	-0.18400



Scenario No.	Scenario	Position	SUM
6	[①]+[④]+[⑥]	Rear	2.933

Distance [mm]	SPLSR ≤ 0.04 Limit	Numbering	Mode	SAR W/kg	Coordinates		
					X	Y	Z
70.79	0.04	①	LTE Band 13 + 5G NR n66	0.902	0.03560	-0.09550	-0.17900
		④⑥ (Hybird)	WLAN 5 GHz Ant.2 + Bluetooth	1.160	-0.03500	-0.09700	-0.18400



14. SAR Measurement Variability

Per FCC KDB Publication 865664 D01v01r04, SAR measurement variability was assessed for each frequency band, which was determined by the SAR probe calibration point and tissue-equivalent medium used for the device measurements. When both head and body tissue-equivalent media were required for SAR measurements in a frequency band, the variability measurement procedures were applied to the tissue medium with the highest measured SAR, using the highest measured SAR configuration for that tissue-equivalent medium. These additional measurements were repeated after the completion of all measurements requiring the same head or body tissue equivalent medium in a frequency band. The test device was returned to ambient conditions (normal room temperature) with the battery fully charged before it was re-mounted on the device holder for the repeated measurement(s) to minimize any unexpected variations in the repeated results.

SAR Measurement Variability was assessed using the following procedures for each frequency band:

1) Repeated measurements are not required when the original highest measured SAR is < 0.80 W/kg.
2) **When the original highest measured SAR is ≥ 0.80 W/㎏, the measurement was repeated once.**
3) A second repeated measurement was performed only if the ratio of largest to smallest SAR for the original and first repeated measurements was > 1.20 or when the original or repeated measurement was ≥ 1.45 W/kg (~ 10% from the 1-g SAR limit).
4) A third repeated measurement was performed only if the original, first or second repeated measurement was ≥ 1.5 W/kg and the ratio of largest to smallest SAR for the original, first and second repeated measurements is > 1.20.

Body	Band / Ant.		Mode	Frequency (㎒)	EUT Position	Separation Distance (㎜)	Measured 1 g SAR (W/kg)	Repeated 1 g SAR (W/kg)	Ratio
	WLAN 2.4 GHz	MIMO	802.11b	2 412.0	Rear	0	0.935	0.909	1.03
	U-NII-3	Ant.2	802.11a	5 785.0	Rear	0	0.975	0.969	1.01

15. Measurement Uncertainty

Per KDB 865664 D01 SAR measurement 100㎒ to 6㎓, 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 ≤ 30%, for a confidence interval of *k* = 2. If these conditions are met, extensive SAR measurement uncertainty analysis described in IEEE Standard 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.

16. Test Equipment Information

Test Platform	SPEAG DASY5 System			
Version	DASY52: 52.10.4.1535 / SEMCAD: 14.6.14 (7501)			
Location	Eurofins KCTL Co.,Ltd. 65, Sinwon-ro, Yeongtong-gu, Suwon-si, Gyeonggi-do, Korea			
Manufacture	SPEAG			
Hardware Reference				
Equipment	Model	Serial Number	Date of Calibration	Due date of next Calibration
Shield Room	-	8F - 1	-	-
	-	8F - 2	-	-
	-	8F - 3	-	-
DASY5 Robot	TX90XL speag	F07/554JA1/A/01	-	-
	TX90XL speag	F12/5L7FA1/A/01	-	-
	TX90XL speag	F/18/0004968/A/001	-	-
Phantom	Twin SAM Phantom	1724	-	-
	Twin SAM Phantom	1728	-	-
	Twin SAM Phantom	1975	-	-
	2mm Oval Phantom ELI5	1220	-	-
	2mm Oval Phantom ELI5	1178	-	-
	2mm Oval Phantom ELI5	2097	-	-
Mounting Device	Mounting Device	-	-	-
DAE	DAE4	1586	2023-04-26	2024-04-26
	DAE4	1756	2023-09-20	2024-09-20
	DAE4	1758	2023-08-24	2024-08-24
	DAE4	1342	2023-03-13	2024-03-13
Probe	EX3DV4	3697	2023-04-13	2024-04-13
	EX3DV4	3865	2023-01-22	2024-01-22
	EX3DV4	7540	2023-05-04	2024-05-04
	EX3DV4	7840	2023-08-25	2024-08-25
ESG Vector Signal Generator	E4438C	MY42080486	2023-04-25	2024-04-25
Dual Power Meter	E4419B	GB40202503	2022-11-21	2023-11-21
	E4419B	GB43312301	2023-02-09	2024-02-09
	EPM-442A	GB37480680	2023-04-26	2024-04-26
Power Sensor	8481H	3318A19379	2023-02-09	2024-02-09
	8481H	3318A19377	2023-02-09	2024-02-09
	8481H	2703A11902	2023-04-26	2024-04-26
	8481H	3318A18090	2023-04-26	2024-04-26
Attenuator	8491A	36316	2023-04-26	2024-04-26
	PE7005-10	2228-1	2022-12-15	2023-12-15
	PE7005-10	2228-2	2022-12-15	2023-12-15
	PE7005-10	2228-3	2022-12-15	2023-12-15

Equipment	Model	Serial Number	Date of Calibration	Due date of next Calibration
Attenuator	PE7005-10	2228-4	2022-12-15	2023-12-15
	PE7005-10	2228-5	2022-12-15	2023-12-15
	PE7005-10	2228-6	2022-12-15	2023-12-15
Dual Directional Coupler	778D	17236	2023-04-26	2024-04-26
	772D	2839A00719	2023-02-09	2024-02-09
	772D	2839A160504	2023-04-26	2024-04-26
	778D	16059	2023-02-09	2024-02-09
Power Amplifier	GRF5039	1062	2023-02-09	2024-02-09
	EM Power	1005D/C0521	2023-02-09	2024-02-09
	OPHIR	1012	2023-02-09	2024-02-09
	AMP2027ADB	10005	2023-04-26	2024-04-26
Low Pass Filter	NLP-1000+	VUU79701846	2023-04-26	2024-04-26
	VLF-3000+	31831	2023-04-26	2024-04-26
	LA-30N	40058	2023-02-09	2024-02-09
	LA-60N	40059	2023-02-09	2024-02-09
Dipole Validation Kits	D750V3	1183	2023-09-25	2025-09-25
	D750V3	1224	2022-10-12	2024-10-12
	D850V2	1030	2022-10-26	2024-10-26
	D1750V2	1072	2023-09-26	2025-09-26
	D1750V2	1195	2022-10-26	2024-10-26
	D1900V2	5d248	2022-10-20	2024-10-20
	D2450V2	895	2023-09-26	2025-09-26
	D2450V2	1091	2022-10-14	2024-10-14
	D2600V2	1050	2023-09-26	2025-09-26
	D2600V2	1200	2022-10-25	2024-10-25
	D5GHzV2	1293	2023-01-25	2025-01-25
Network Analyzer	E5071B	MY42403524	2023-02-09	2024-02-09
Dielectric Assessment Kit	DAK-3.5	1078	2023-05-24	2024-05-24
Humidity/Temp	MHB-382SD	73871	2023-05-10	2024-05-10
	MHB-382SD	25737	2023-05-03	2024-05-03
	MHB-382SD	46307	2023-02-14	2024-02-14
Radio Communication Analyzer	MT8821C	6201807233	2023-01-19	2024-01-19
Radio Communication Analyzer	MT8821C	6262170371	2022-11-03	2023-11-03
Radio Communication Analyzer	MT8821C	6262170372	2022-11-03	2023-11-03
Wideband Radio Communication Tester	CMW500	168683	2023-02-09	2024-05-24
	CMW500	132120	2023-04-25	2024-04-25
Radio Communication Test Station	MT8000A	6261987911	2023-08-07	2024-08-07
	MT8000A	6261987922	2023-02-09	2024-02-09
MXA SIGNAL ANALYZER	N9020A	MY520900024	2022-11-22	2023-11-22
Spectrum Analyzer	FSP7	100289	2022-12-08	2023-12-08

17. Test System Verification Results

Date: 9/22/2023

Test Laboratory: Eurofins KCTL Co.,Ltd.
File Name: 750 MHz Verification Input Power 250 mW 2023-09-22.da52:0

DUT: Dipole 750 MHz D750V3, Type: D750V3, Serial: D750V3 - SN:1224

Communication System: UID 0, CW (0); Frequency: 750 MHz; Duty Cycle: 1:1
Medium parameters used: f = 750 MHz; σ = 0.9 S/m; ε_r = 42.126; ρ = 1000 kg/m^3
Phantom section: Flat Section

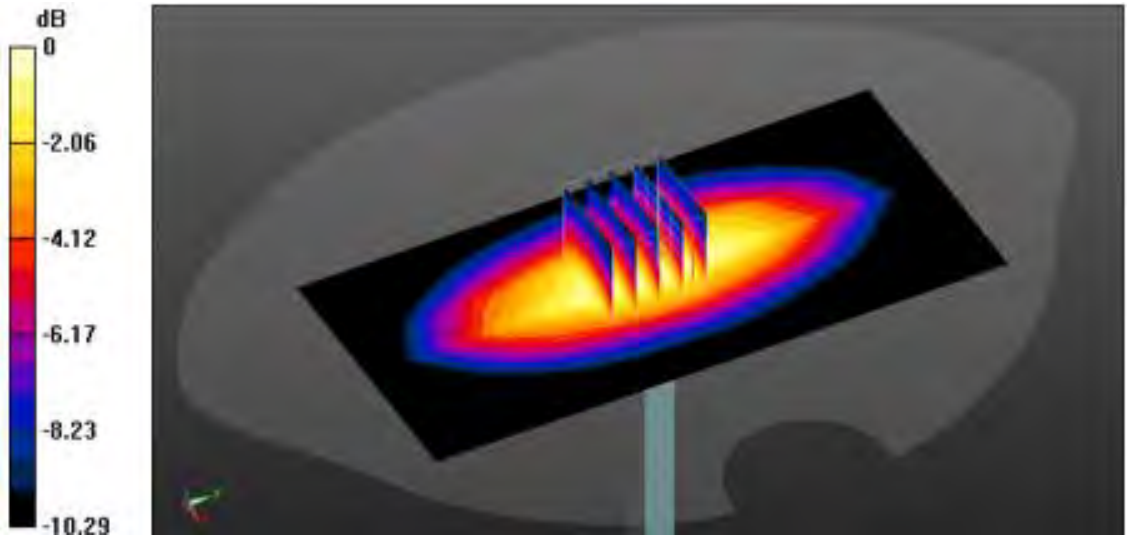
DASY5 Configuration:

- Probe: EX3DV4 - SN7540;ConvF(10.2, 10.2, 10.2) @ 750 MHz; Calibrated: 5/4/2023
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1342; Calibrated: 3/13/2023
- Phantom: Twin-SAM V8.0; Type: QD 000 P41 AA; Serial: 1975
- Measurement SW: DASY52, Version 52.10 (4);

Configuration/750 MHz Verification Input Power 250 mW 2023-09-22/Area Scan (7x14x1):
Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 2.60 W/kg

Configuration/750 MHz Verification Input Power 250 mW 2023-09-22/Zoom Scan (5x5x7)/Cube 0:
Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 55.56 V/m; Power Drift = -0.04 dB
Peak SAR (extrapolated) = 3.02 W/kg
SAR(1 g) = 2.1 W/kg; SAR(10 g) = 1.4 W/kg

Maximum value of SAR (measured) = 2.73 W/kg



0 dB = 2.73 W/kg = 4.36 dBW/kg

Date: 2023-10-11

Test Laboratory: Eurofins KCTL Co.,Ltd.
File Name: 750 MHz Verification Input Power 250 mW 2023-10-11.da52:0

DUT: Dipole 750 MHz D750V3, Type: D750V3, Serial: D750V3 - SN:1224

Communication System: UID 0, CW (0); Frequency: 750 MHz; Duty Cycle: 1:1
Medium parameters used: f = 750 MHz; σ = 0.909 S/m; ε_r = 41.034; ρ = 1000 kg/m^3
Phantom section: Flat Section

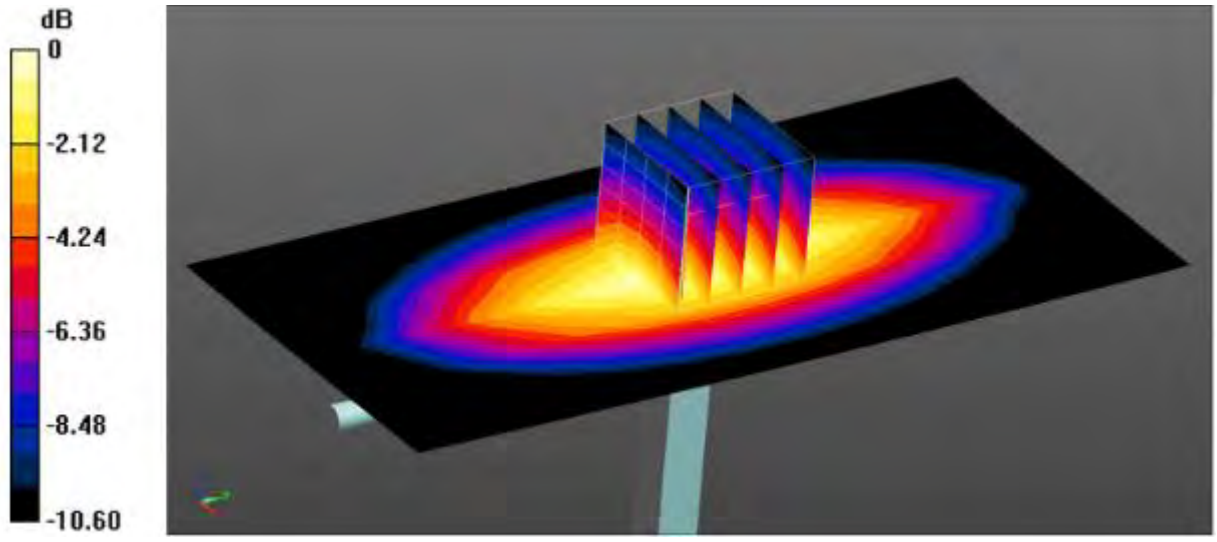
DASY5 Configuration:

- Probe: EX3DV4 - SN3865;ConvF(9.39, 10.15, 9.66) @ 750 MHz; Calibrated: 2023-01-22
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1586; Calibrated: 2023-04-26
- Phantom: ELI V5.0; Type: QD OVA 001 BB; Serial: 1220
- Measurement SW: DASY52, Version 52.10 (4);

Configuration/750 MHz Verification Input Power 250 mW 2023-10-11/Area Scan (7x14x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 2.91 W/kg

Configuration/750 MHz Verification Input Power 250 mW 2023-10-11/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 60.00 V/m; Power Drift = -0.02 dB
Peak SAR (extrapolated) = 3.41 W/kg
SAR(1 g) = 2.18 W/kg; SAR(10 g) = 1.43 W/kg

Maximum value of SAR (measured) = 2.98 W/kg



0 dB = 2.98 W/kg = 4.74 dBW/kg

Date: 10/30/2023

Test Laboratory: Eurofins KCTL Co.,Ltd.
File Name: 750 MHz Verification Input Power 250 mW 2023-10-30.da52:0

DUT: Dipole 750 MHz D750V3, Type: D750V3, Serial: D750V3 - SN:1183

Communication System: UID 0, CW (0); Frequency: 750 MHz; Duty Cycle: 1:1
Medium parameters used: f = 750 MHz; σ = 0.921 S/m; ε_r = 42.06; ρ = 1000 kg/m^3
Phantom section: Flat Section

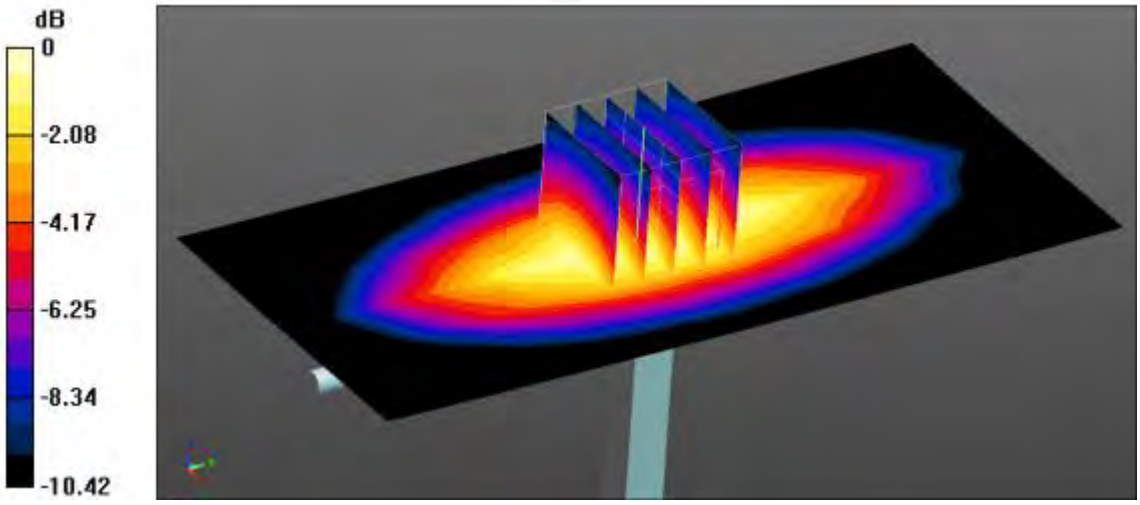
DASY5 Configuration:

- Probe: EX3DV4 - SN7540;ConvF(10.2, 10.2, 10.2) @ 750 MHz; Calibrated: 5/4/2023
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1586; Calibrated: 4/26/2023
- Phantom: ELI V5.0; Type: QD OVA 001 BB; Serial: 1220
- Measurement SW: DASY52, Version 52.10 (4);

Configuration/750 MHz Verification Input Power 250 mW 2023-10-30/Area Scan (7x14x1):
Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 2.92 W/kg

Configuration/750 MHz Verification Input Power 250 mW 2023-10-30/Zoom Scan (5x5x7)/Cube 0:
Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 58.76 V/m; Power Drift = -0.15 dB
Peak SAR (extrapolated) = 3.14 W/kg
SAR(1 g) = 2.18 W/kg; SAR(10 g) = 1.46 W/kg

Maximum value of SAR (measured) = 2.83 W/kg



0 dB = 2.83 W/kg = 4.52 dBW/kg

Date: 9/19/2023

Test Laboratory: Eurofins KCTL Co.,Ltd.
File Name: 850 MHz Verification Input Power 250 mW 2023-09-19.da52:0

DUT: Dipole 850 MHz D850V2, Type: D850V2, Serial: D850V2 - SN:1030

Communication System: UID 0, CW (0); Frequency: 850 MHz; Duty Cycle: 1:1
Medium parameters used: f = 850 MHz; σ = 0.9 S/m; ε_r = 42.848; ρ = 1000 kg/m^3
Phantom section: Flat Section

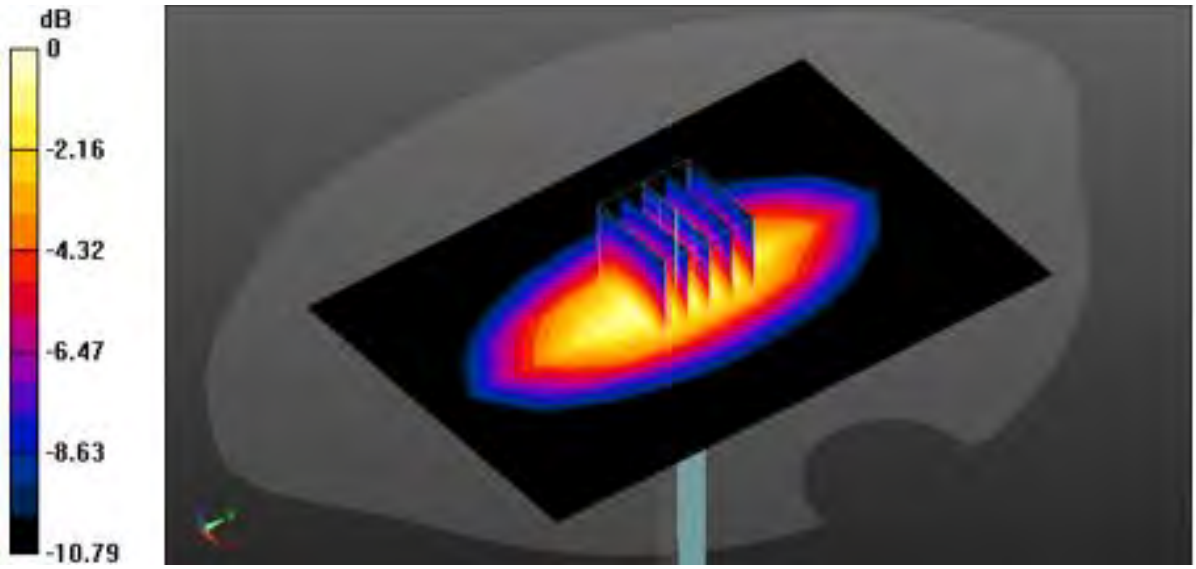
DASY5 Configuration:

- Probe: EX3DV4 - SN7540;ConvF(9.67, 9.67, 9.67) @ 850 MHz; Calibrated: 5/4/2023
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1342; Calibrated: 3/13/2023
- Phantom: Twin-SAM V8.0; Type: QD 000 P41 AA; Serial: 1975
- Measurement SW: DASY52, Version 52.10 (4);

System Verification/850 MHz Verification Input Power 250 mW 2023-09-19/Area Scan (9x13x1):
Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 3.22 W/kg

System Verification/850 MHz Verification Input Power 250 mW 2023-09-19/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 60.65 V/m; Power Drift = -0.05 dB
Peak SAR (extrapolated) = 3.57 W/kg
SAR(1 g) = 2.41 W/kg; SAR(10 g) = 1.59 W/kg

Maximum value of SAR (measured) = 3.19 W/kg



0 dB = 3.19 W/kg = 5.04 dBW/kg

Date: 9/26/2023

Test Laboratory: Eurofins KCTL Co.,Ltd.
File Name: 850 MHz Verification Input Power 250 mW 2023-09-26.da52:0

DUT: Dipole 850 MHz D850V2, Type: D850V2, Serial: D850V2 - SN:1030

Communication System: UID 0, CW (0); Frequency: 850 MHz; Duty Cycle: 1:1
Medium parameters used: f = 850 MHz; σ = 0.908 S/m; ε_r = 40.437; ρ = 1000 kg/m^3
Phantom section: Flat Section

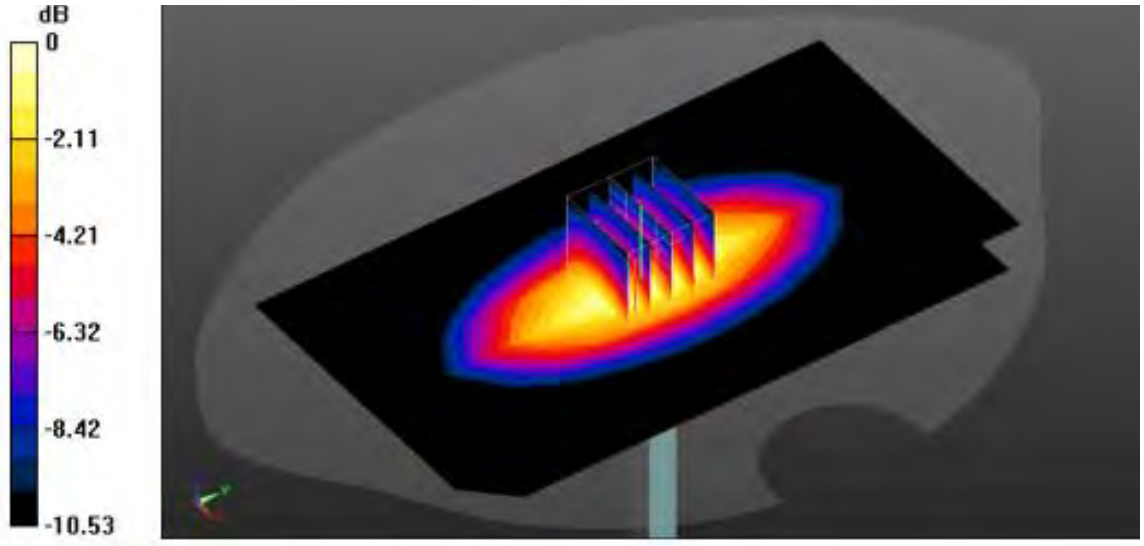
DASY5 Configuration:

- Probe: EX3DV4 - SN7540;ConvF(9.67, 9.67, 9.67) @ 850 MHz; Calibrated: 5/4/2023
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1342; Calibrated: 3/13/2023
- Phantom: Twin-SAM V8.0; Type: QD 000 P41 AA; Serial: 1975
- Measurement SW: DASY52, Version 52.10 (4);

System Verification_Head/850 MHz Verification Input Power 250 mW 2023-09-26/Area Scan (9x15x1):
Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 3.17 W/kg

System Verification_Head/850 MHz Verification Input Power 250 mW 2023-09-26/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 60.69 V/m; Power Drift = -0.08 dB
Peak SAR (extrapolated) = 3.55 W/kg
SAR(1 g) = 2.38 W/kg; SAR(10 g) = 1.57 W/kg

Maximum value of SAR (measured) = 3.17 W/kg



0 dB = 3.17 W/kg = 5.01 dBW/kg

Date: 9/26/2023

Test Laboratory: Eurofins KCTL Co.,Ltd.
File Name: 850 MHz Verification Input Power 250 mW 2023-09-26.da52:1

DUT: Dipole 850 MHz D850V2, Type: D850V2, Serial: D850V2 - SN:1030

Communication System: UID 0, CW (0); Frequency: 850 MHz; Duty Cycle: 1:1
Medium parameters used: f = 850 MHz; σ = 0.897 S/m; ε_r = 42.347; ρ = 1000 kg/m^3
Phantom section: Flat Section

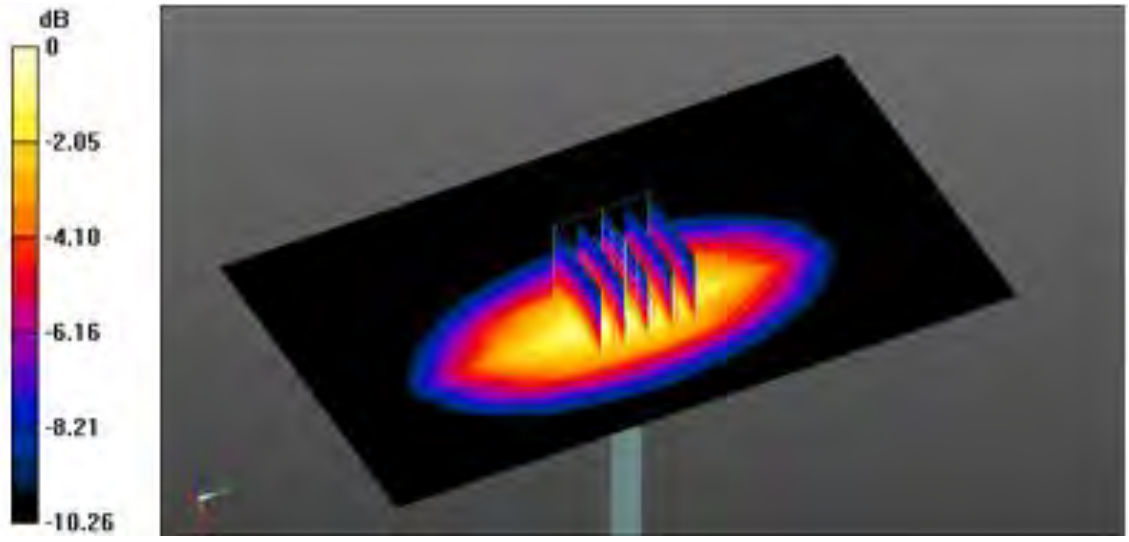
DASY5 Configuration:

- Probe: EX3DV4 - SN7540;ConvF(9.67, 9.67, 9.67) @ 850 MHz; Calibrated: 5/4/2023
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1342; Calibrated: 3/13/2023
- Phantom: ELI V8.0; Type: QD OVA 004 Ax; Serial: 2097
- Measurement SW: DASY52, Version 52.10 (4);

System Verification_Body/850 MHz Verification Input Power 250 mW 2023-09-26/Area Scan (9x15x1):
Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 2.98 W/kg

System Verification_Body/850 MHz Verification Input Power 250 mW 2023-09-26/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 45.11 V/m; Power Drift = 0.02 dB
Peak SAR (extrapolated) = 3.62 W/kg
SAR(1 g) = 2.38 W/kg; SAR(10 g) = 1.58 W/kg

Maximum value of SAR (measured) = 3.19 W/kg



0 dB = 3.19 W/kg = 5.04 dBW/kg

Date: 2023-09-26

Test Laboratory: Eurofins KCTL Co.,Ltd.
File Name: 850 MHz Verification Input Power 250 mW 2023-09-26.da52:0

DUT: Dipole 850 MHz D850V2, Type: D850V2, Serial: D850V2 - SN:1030

Communication System: UID 0, CW (0); Frequency: 850 MHz; Duty Cycle: 1:1
Medium parameters used: f = 850 MHz; σ = 0.95 S/m; ε_r = 41.004; ρ = 1000 kg/m^3
Phantom section: Flat Section

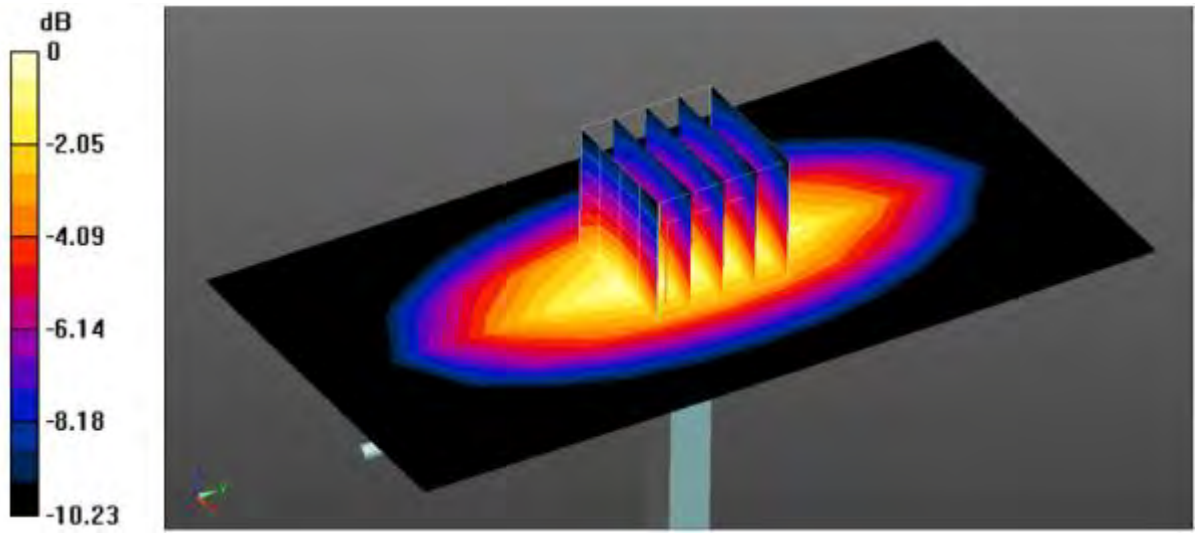
DASY5 Configuration:

- Probe: EX3DV4 - SN3865;ConvF(9.24, 9.5, 9.66) @ 850 MHz; Calibrated: 2023-01-22
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1586; Calibrated: 2023-04-26
- Phantom: ELI V5.0; Type: QD OVA 001 BB; Serial: 1220
- Measurement SW: DASY52, Version 52.10 (4);

Configuration/850 MHz Verification Input Power 250 mW 2023-09-26/Area Scan (7x13x1):
Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 3.37 W/kg

Configuration/850 MHz Verification Input Power 250 mW 2023-09-26/Zoom Scan (5x5x7)/Cube 0:
Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 62.97 V/m; Power Drift = 0.06 dB
Peak SAR (extrapolated) = 3.84 W/kg
SAR(1 g) = 2.61 W/kg; SAR(10 g) = 1.74 W/kg

Maximum value of SAR (measured) = 3.45 W/kg



0 dB = 3.45 W/kg = 5.38 dBW/kg

Date: 2023-09-27

Test Laboratory: Eurofins KCTL Co.,Ltd.
File Name: 850 MHz Verification Input Power 250 mW 2023-09-27.da52:0

DUT: Dipole 850 MHz D850V2, Type: D850V2, Serial: D850V2 - SN:1030

Communication System: UID 0, CW (0); Frequency: 850 MHz; Duty Cycle: 1:1
Medium parameters used: f = 850 MHz; σ = 0.904 S/m; ε_r = 40.643; ρ = 1000 kg/m^3
Phantom section: Flat Section

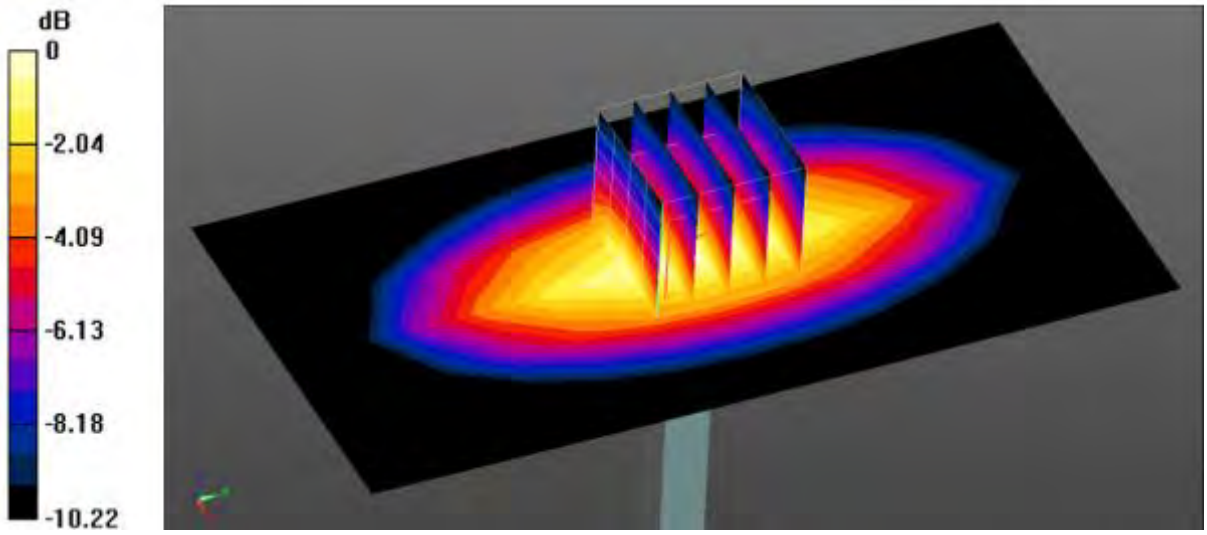
DASY5 Configuration:

- Probe: EX3DV4 - SN3865;ConvF(9.24, 9.5, 9.66) @ 850 MHz; Calibrated: 2023-01-22
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1586; Calibrated: 2023-04-26
- Phantom: ELI V5.0; Type: QD OVA 001 BB; Serial: 1220
- Measurement SW: DASY52, Version 52.10 (4);

Configuration/850 MHz Verification Input Power 250 mW 2023-09-27/Area Scan (7x13x1):
Measurement grid: dx=15mm, dy=15mm
Maximum value of Total (measured) = 61.75 V/m

Configuration/850 MHz Verification Input Power 250 mW 2023-09-27/Zoom Scan (5x5x7)/Cube 0:
Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 61.22 V/m; Power Drift = 0.08 dB
Peak SAR (extrapolated) = 3.68 W/kg
SAR(1 g) = 2.5 W/kg; SAR(10 g) = 1.66 W/kg

Maximum value of SAR (measured) = 3.30 W/kg



0 dB = 3.30 W/kg = 5.19 dBW/kg

Date: 2023-10-12

Test Laboratory: Eurofins KCTL Co.,Ltd.
File Name: 850 MHz Verification Input Power 250 mW 2023-10-12.da52:0

DUT: Dipole 850 MHz D850V2, Type: D850V2, Serial: D850V2 - SN:1030

Communication System: UID 0, CW (0); Frequency: 850 MHz; Duty Cycle: 1:1
Medium parameters used: f = 850 MHz; σ = 0.951 S/m; ε_r = 41.761; ρ = 1000 kg/m^3
Phantom section: Flat Section

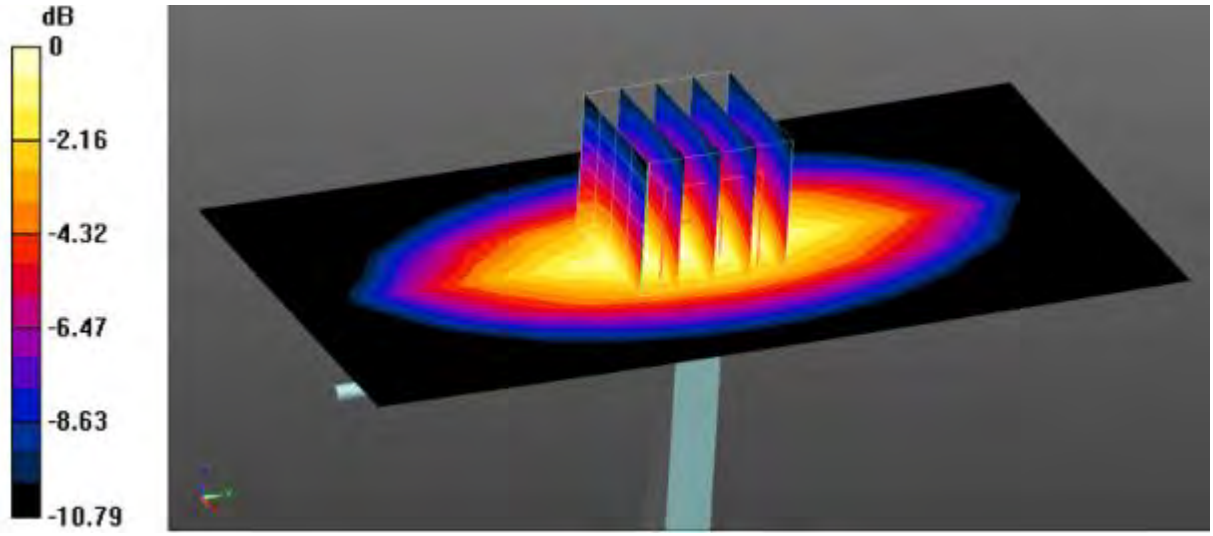
DASY5 Configuration:

- Probe: EX3DV4 - SN3865;ConvF(9.24, 9.5, 9.66) @ 850 MHz; Calibrated: 2023-01-22
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1586; Calibrated: 2023-04-26
- Phantom: ELI V5.0; Type: QD OVA 001 BB; Serial: 1220
- Measurement SW: DASY52, Version 52.10 (4);

Configuration/850 MHz Verification Input Power 250 mW 2023-10-12/Area Scan (7x13x1):
Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 3.32 W/kg

Configuration/850 MHz Verification Input Power 250 mW 2023-10-12/Zoom Scan (5x5x7)/Cube 0:
Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 62.37 V/m; Power Drift = -0.01 dB
Peak SAR (extrapolated) = 3.80 W/kg
SAR(1 g) = 2.49 W/kg; SAR(10 g) = 1.63 W/kg

Maximum value of SAR (measured) = 3.34 W/kg



0 dB = 3.34 W/kg = 5.24 dBW/kg

Date: 9/21/2023

Test Laboratory: Eurofins KCTL Co.,Ltd.
File Name: 1750 MHz Verification Input Power 250 mW 2023-09-21.da52:0

DUT: Dipole 1750 MHz D1750V2, Type: D1750V2, Serial: D1750V2 - SN:1195

Communication System: UID 0, CW (0); Frequency: 1750 MHz; Duty Cycle: 1:1
Medium parameters used: f = 1750 MHz; σ = 1.395 S/m; ε_r = 39.163; ρ = 1000 kg/m^3
Phantom section: Flat Section

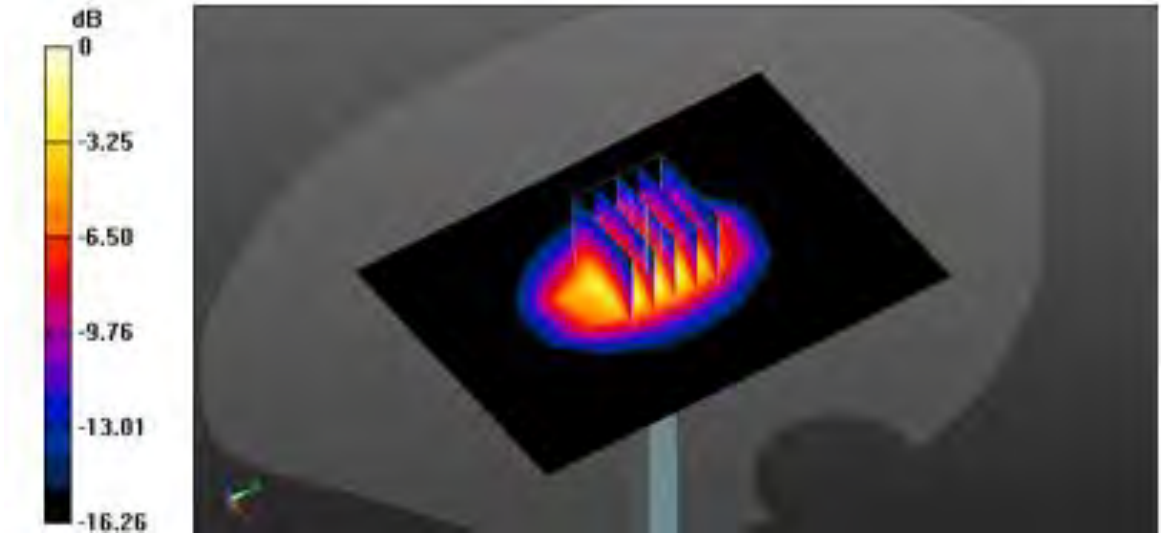
DASY5 Configuration:

- Probe: EX3DV4 - SN7540;ConvF(8.58, 8.58, 8.58) @ 1750 MHz; Calibrated: 5/4/2023
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1342; Calibrated: 3/13/2023
- Phantom: Twin-SAM V8.0; Type: QD 000 P41 AA; Serial: 1975
- Measurement SW: DASY52, Version 52.10 (4);

Configuration/1750 MHz Verification Input Power 250 mW 2023-09-21/Area Scan (8x11x1):
Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 11.8 W/kg

Configuration/1750 MHz Verification Input Power 250 mW 2023-09-21/Zoom Scan (5x5x7)/Cube 0:
Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 99.07 V/m; Power Drift = -0.08 dB
Peak SAR (extrapolated) = 16.2 W/kg
SAR(1 g) = 9.35 W/kg; SAR(10 g) = 5.15 W/kg

Maximum value of SAR (measured) = 13.8 W/kg



0 dB = 13.8 W/kg = 11.40 dBW/kg

Date: 9/27/2023

Test Laboratory: Eurofins KCTL Co.,Ltd.
File Name: 1750 MHz Verification Input Power 250 mW 2023-09-27.da52:0

DUT: Dipole 1750 MHz D1750V2, Type: D1750V2, Serial: D1750V2 - SN:1195

Communication System: UID 0, CW (0); Frequency: 1750 MHz; Duty Cycle: 1:1
Medium parameters used: f = 1750 MHz; σ = 1.356 S/m; ε_r = 38.972; ρ = 1000 kg/m^3
Phantom section: Flat Section

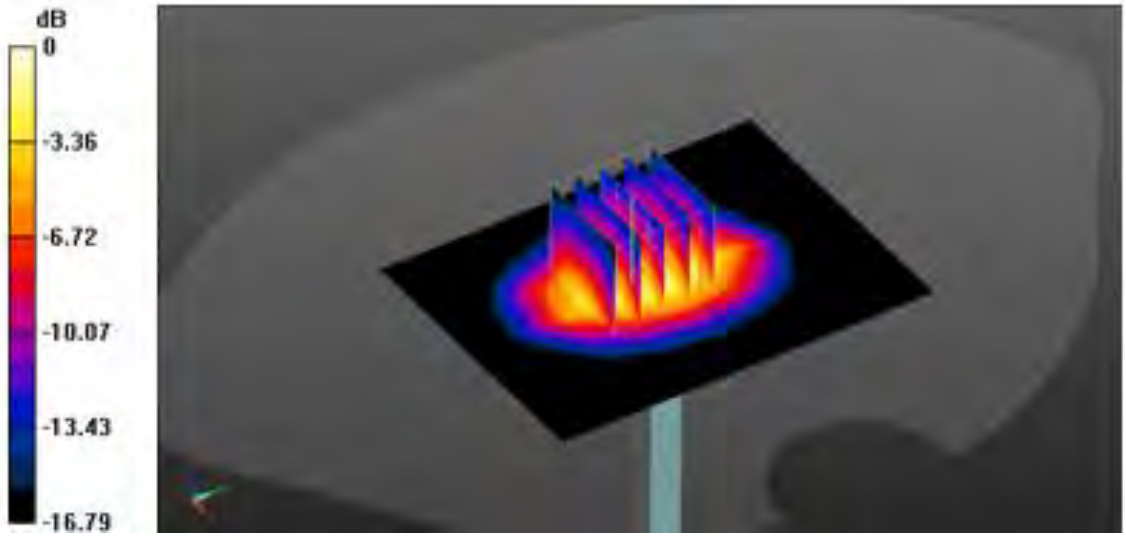
DASY5 Configuration:

- Probe: EX3DV4 - SN7540;ConvF(8.58, 8.58, 8.58) @ 1750 MHz; Calibrated: 5/4/2023
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1342; Calibrated: 3/13/2023
- Phantom: Twin-SAM V8.0; Type: QD 000 P41 AA; Serial: 1975
- Measurement SW: DASY52, Version 52.10 (4);

System Verification_Head/1750 MHz Verification Input Power 250 mW 2023-09-27/Area Scan (7x9x1):
Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 13.4 W/kg

System Verification_Head/1750 MHz Verification Input Power 250 mW 2023-09-27/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 98.95 V/m; Power Drift = -0.09 dB
Peak SAR (extrapolated) = 16.0 W/kg
SAR(1 g) = 9.34 W/kg; SAR(10 g) = 5.07 W/kg

Maximum value of SAR (measured) = 13.7 W/kg



0 dB = 13.7 W/kg = 11.37 dBW/kg

Date: 2023-10-05

Test Laboratory: Eurofins KCTL Co.,Ltd.
File Name: 1750 MHz Verification Input Power 250 mW 2023-10-05.da52:0

DUT: Dipole 1750 MHz D1750V2, Type: D1750V2, Serial: D1750V2 - SN:1195

Communication System: UID 0, CW (0); Frequency: 1750 MHz; Duty Cycle: 1:1
Medium parameters used: f = 1750 MHz; σ = 1.416 S/m; ε_r = 40.291; ρ = 1000 kg/m^3
Phantom section: Flat Section

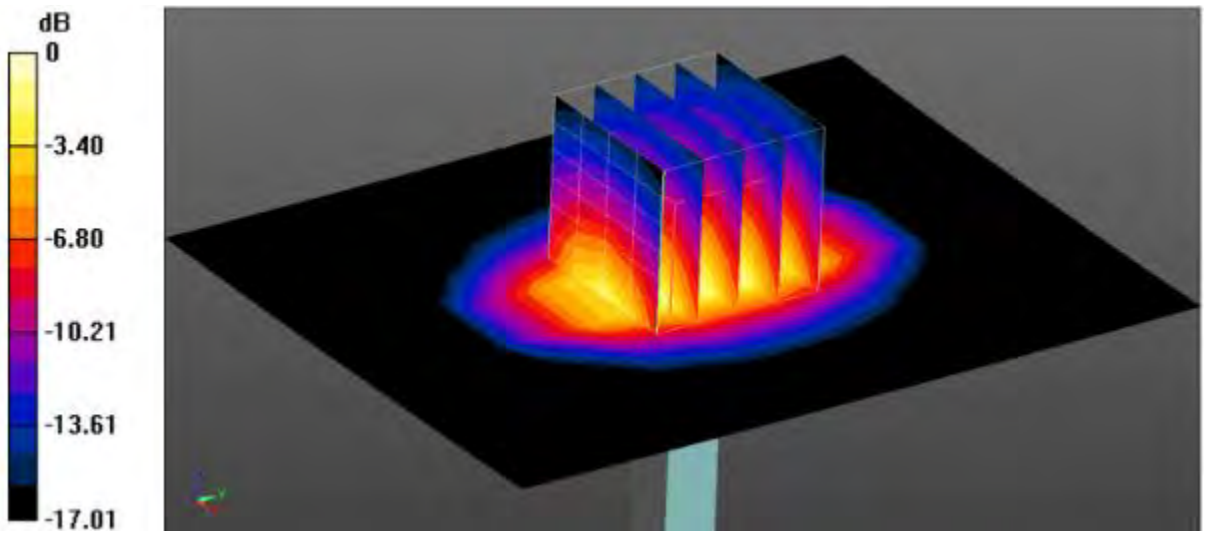
DASY5 Configuration:

- Probe: EX3DV4 - SN3865;ConvF(8.38, 8.84, 8.67) @ 1750 MHz; Calibrated: 2023-01-22
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1586; Calibrated: 2023-04-26
- Phantom: ELI V5.0; Type: QD OVA 001 BB; Serial: 1220
- Measurement SW: DASY52, Version 52.10 (4);

Configuration/1750 MHz Verification Input Power 250 mW 2023-10-05/Area Scan (8x10x1):
Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 9.21 W/kg

Configuration/1750 MHz Verification Input Power 250 mW 2023-10-05/Zoom Scan (5x5x7)/Cube 0:
Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 105.1 V/m; Power Drift = -0.11 dB
Peak SAR (extrapolated) = 17.1 W/kg
SAR(1 g) = 9.44 W/kg; SAR(10 g) = 5.05 W/kg

Maximum value of SAR (measured) = 14.5 W/kg



0 dB = 14.5 W/kg = 11.61 dBW/kg

Date: 2023-10-13

Test Laboratory: Eurofins KCTL Co.,Ltd.
File Name: 1750 MHz Verification Input Power 250 mW 2023-10-13.da52:0

DUT: Dipole 1750 MHz D1750V2, Type: D1750V2, Serial: D1750V2 - SN:1195

Communication System: UID 0, CW (0); Frequency: 1750 MHz; Duty Cycle: 1:1
Medium parameters used: f = 1750 MHz; σ = 1.415 S/m; ε_r = 39.3; ρ = 1000 kg/m^3
Phantom section: Flat Section

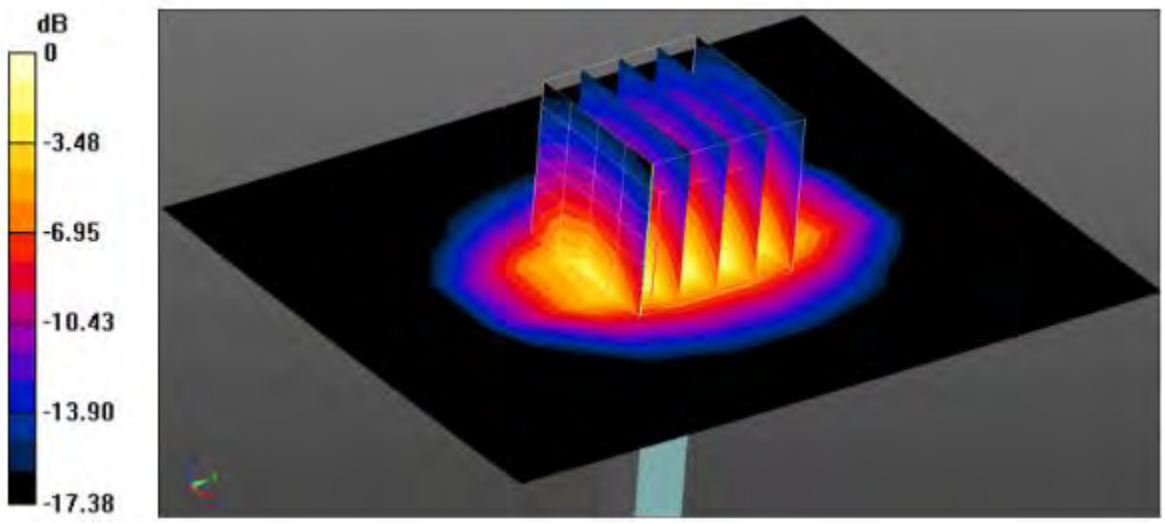
DASY5 Configuration:

- Probe: EX3DV4 - SN3865;ConvF(8.38, 8.84, 8.67) @ 1750 MHz; Calibrated: 2023-01-22
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1586; Calibrated: 2023-04-26
- Phantom: ELI V5.0; Type: QD OVA 001 BB; Serial: 1220
- Measurement SW: DASY52, Version 52.10 (4);

Configuration/1750 MHz Verification Input Power 250 mW 2023-10-13/Area Scan (8x10x1):
Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 9.42 W/kg

Configuration/1750 MHz Verification Input Power 250 mW 2023-10-13/Zoom Scan (5x5x7)/Cube 0:
Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 102.6 V/m; Power Drift = -0.14 dB
Peak SAR (extrapolated) = 16.5 W/kg
SAR(1 g) = 9.01 W/kg; SAR(10 g) = 4.78 W/kg

Maximum value of SAR (measured) = 13.9 W/kg



0 dB = 13.9 W/kg = 11.43 dBW/kg

Date: 10/30/2023

Test Laboratory: Eurofins KCTL Co.,Ltd.
File Name: 1750 MHz Verification Input Power 250 mW 2023-10-30.da52:0

DUT: Dipole 1750 MHz D1750V2, Type: D1750V2, Serial: D1750V2 - SN:1072

Communication System: UID 0, CW (0); Frequency: 1750 MHz; Duty Cycle: 1:1
Medium parameters used: f = 1750 MHz; σ = 1.374 S/m; ε_r = 38.605; ρ = 1000 kg/m^3
Phantom section: Flat Section

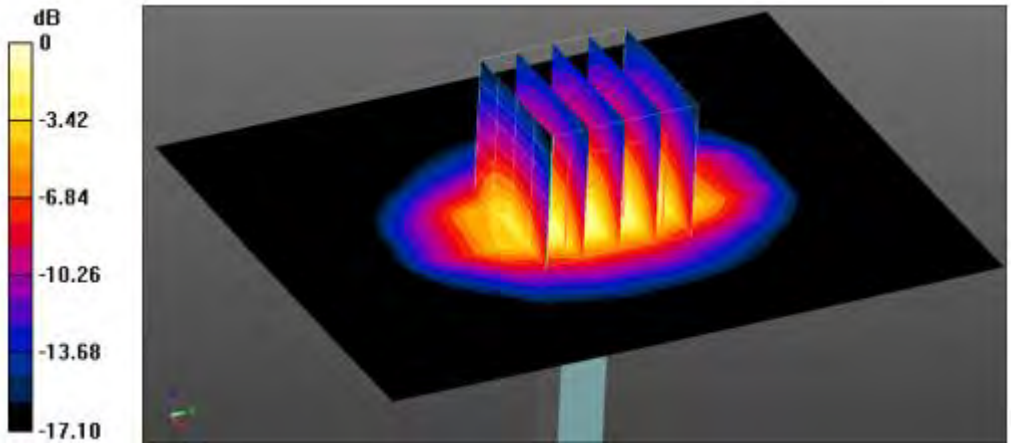
DASY5 Configuration:

- Probe: EX3DV4 - SN7540;ConvF(8.58, 8.58, 8.58) @ 1750 MHz; Calibrated: 5/4/2023
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1586; Calibrated: 4/26/2023
- Phantom: ELI V5.0; Type: QD OVA 001 BB; Serial: 1220
- Measurement SW: DASY52, Version 52.10 (4);

Configuration/1750 MHz Verification Input Power 250 mW 2023-10-30/Area Scan (8x10x1):
Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 9.69 W/kg

Configuration/1750 MHz Verification Input Power 250 mW 2023-10-30/Zoom Scan (5x5x7)/Cube 0:
Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 101.3 V/m; Power Drift = -0.11 dB
Peak SAR (extrapolated) = 15.5 W/kg
SAR(1 g) = 9.01 W/kg; SAR(10 g) = 4.91 W/kg

Maximum value of SAR (measured) = 13.4 W/kg



0 dB = 13.4 W/kg = 11.27 dBW/kg

Date: 10/31/2023

Test Laboratory: Eurofins KCTL Co.,Ltd.
File Name: 1750 MHz Verification Input Power 250 mW 2023-10-31.da52:0

DUT: Dipole 1750 MHz D1750V2, Type: D1750V2, Serial: D1750V2 - SN:1072

Communication System: UID 0, CW (0); Frequency: 1750 MHz; Duty Cycle: 1:1
Medium parameters used: f = 1750 MHz; σ = 1.386 S/m; ε_r = 39.004; ρ = 1000 kg/m^3
Phantom section: Flat Section

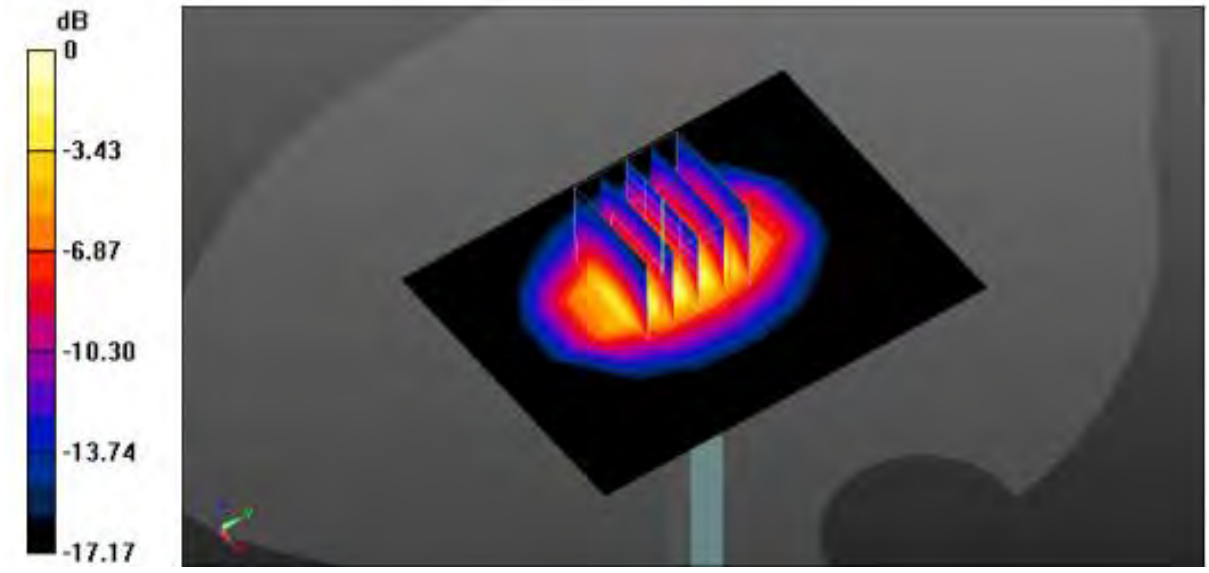
DASY5 Configuration:

- Probe: EX3DV4 - SN3697;ConvF(7.97, 7.97, 7.97) @ 1750 MHz; Calibrated: 4/13/2023
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1756; Calibrated: 9/20/2023
- Phantom: Twin-SAM V8.0; Type: QD 000 P41 AA; Serial: 1975
- Measurement SW: DASY52, Version 52.10 (4);

System Verification_Head/1750 MHz Verification Input Power 250 mW 2023-10-31/Area Scan (7x9x1):
Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 9.46 W/kg

System Verification_Head/1750 MHz Verification Input Power 250 mW 2023-10-31/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 85.33 V/m; Power Drift = 0.18 dB
Peak SAR (extrapolated) = 15.9 W/kg
SAR(1 g) = 8.73 W/kg; SAR(10 g) = 4.7 W/kg

Maximum value of SAR (measured) = 13.4 W/kg



0 dB = 13.4 W/kg = 11.27 dBW/kg

Date: 9/20/2023

Test Laboratory: Eurofins KCTL Co.,Ltd.
File Name: 1900 MHz Verification Input Power 250 mW 2023-09-20.da52:0

DUT: Dipole 1900 MHz D1900V2, Type: D1900V2, Serial: D1900V2 - SN:5d248

Communication System: UID 0, CW (0); Frequency: 1900 MHz; Duty Cycle: 1:1
Medium parameters used: f = 1900 MHz; σ = 1.432 S/m; ε_r = 38.941; ρ = 1000 kg/m^3
Phantom section: Flat Section

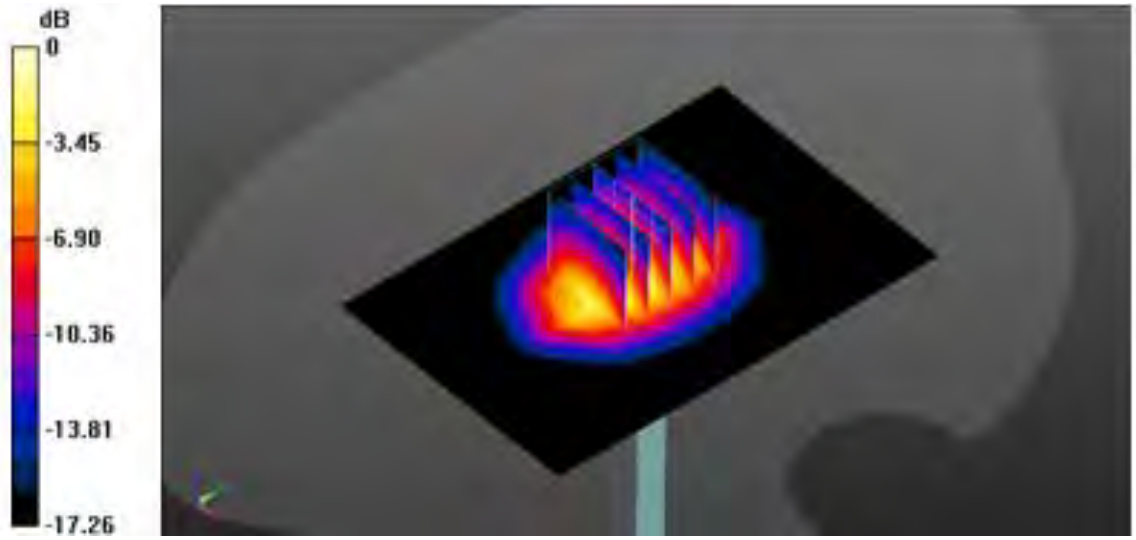
DASY5 Configuration:

- Probe: EX3DV4 - SN7540;ConvF(8.52, 8.52, 8.52) @ 1900 MHz; Calibrated: 5/4/2023
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1342; Calibrated: 3/13/2023
- Phantom: Twin-SAM V8.0; Type: QD 000 P41 AA; Serial: 1975
- Measurement SW: DASY52, Version 52.10 (4);

Configuration/1900 MHz Verification Input Power 250 mW 2023-09-20/Area Scan (7x10x1):
Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 13.3 W/kg

Configuration/1900 MHz Verification Input Power 250 mW 2023-09-20/Zoom Scan (5x5x7)/Cube 0:
Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 99.45 V/m; Power Drift = -0.06 dB
Peak SAR (extrapolated) = 17.2 W/kg
SAR(1 g) = 9.82 W/kg; SAR(10 g) = 5.25 W/kg

Maximum value of SAR (measured) = 14.6 W/kg



0 dB = 14.6 W/kg = 11.64 dBW/kg

Date: 2023-10-04

Test Laboratory: Eurofins KCTL Co.,Ltd.
File Name: 1900 MHz Verification Input Power 250 mW 2023-10-04.da52:0

DUT: Dipole 1900 MHz D1900V2, Type: D1900V2, Serial: D1900V2 - SN:5d248

Communication System: UID 0, CW (0); Frequency: 1900 MHz; Duty Cycle: 1:1
Medium parameters used: f = 1900 MHz; σ = 1.413 S/m; ε_r = 38.513; ρ = 1000 kg/m^3
Phantom section: Flat Section

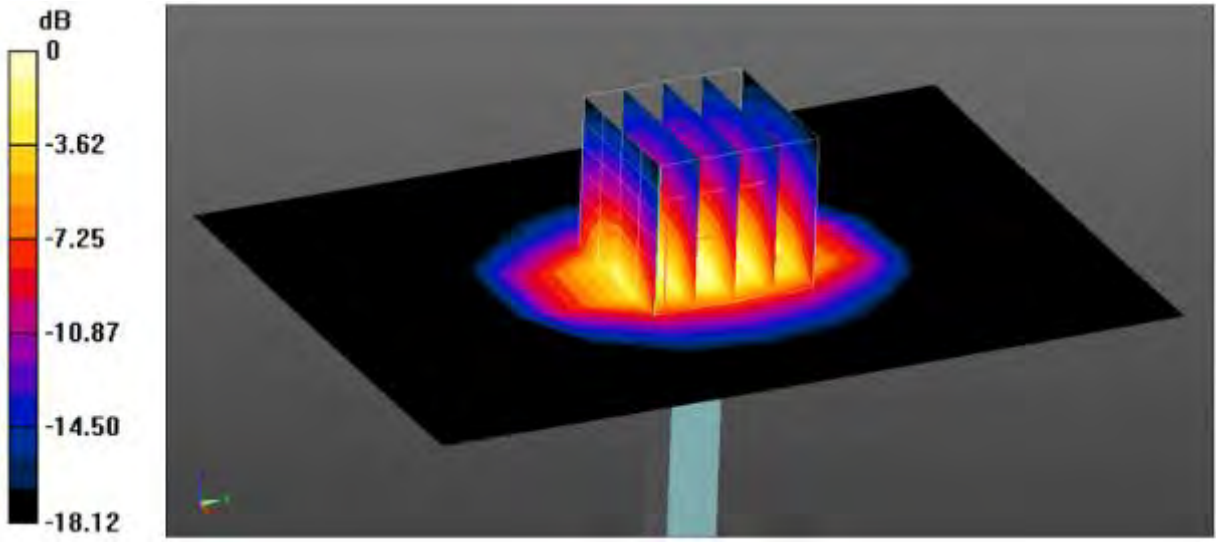
DASY5 Configuration:

- Probe: EX3DV4 - SN3865;ConvF(8.28, 8.79, 8.53) @ 1900 MHz; Calibrated: 2023-01-22
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1586; Calibrated: 2023-04-26
- Phantom: ELI V5.0; Type: QD OVA 001 BB; Serial: 1220
- Measurement SW: DASY52, Version 52.10 (4);

Configuration/1900 MHz Verification Input Power 250 mW 2023-10-04/Area Scan (8x11x1):
Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 10.0 W/kg

Configuration/1900 MHz Verification Input Power 250 mW 2023-10-04/Zoom Scan (5x5x7)/Cube 0:
Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 106.3 V/m; Power Drift = -0.15 dB
Peak SAR (extrapolated) = 17.5 W/kg
SAR(1 g) = 9.5 W/kg; SAR(10 g) = 4.95 W/kg

Maximum value of SAR (measured) = 14.8 W/kg



0 dB = 14.8 W/kg = 11.70 dBW/kg

Date: 2023-10-10

Test Laboratory: Eurofins KCTL Co.,Ltd.
File Name: 1900 MHz Verification Input Power 250 mW 2023-10-10.da52:0

DUT: Dipole 1900 MHz D1900V2, Type: D1900V2, Serial: D1900V2 - SN:5d248

Communication System: UID 0, CW (0); Frequency: 1900 MHz; Duty Cycle: 1:1
Medium parameters used: f = 1900 MHz; σ = 1.393 S/m; ε_r = 39.624; ρ = 1000 kg/m^3
Phantom section: Flat Section

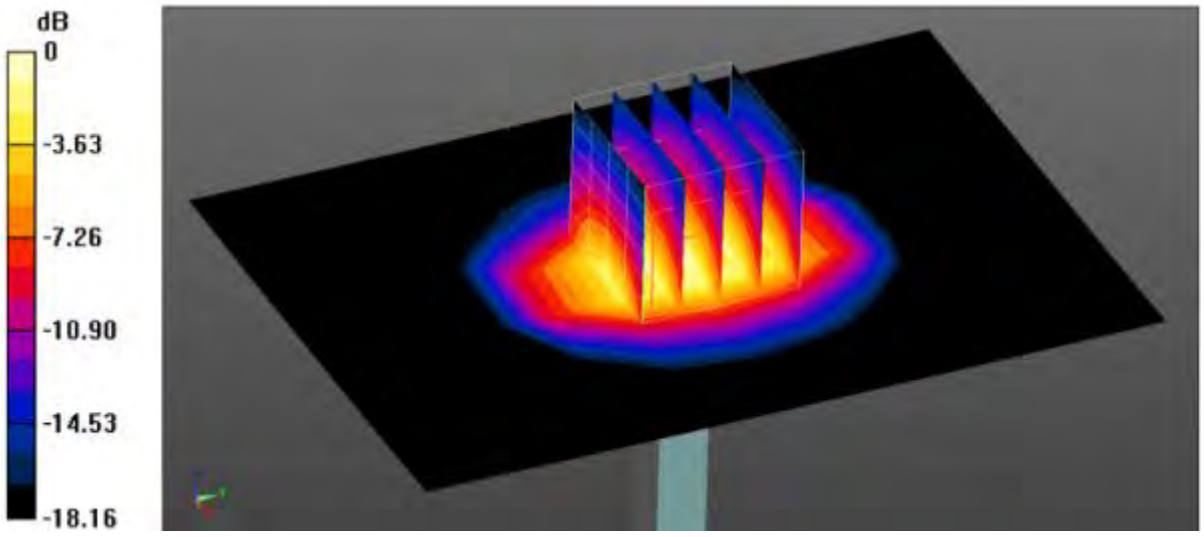
DASY5 Configuration:

- Probe: EX3DV4 - SN3865;ConvF(8.28, 8.79, 8.53) @ 1900 MHz; Calibrated: 2023-01-22
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1586; Calibrated: 2023-04-26
- Phantom: ELI V5.0; Type: QD OVA 001 BB; Serial: 1220
- Measurement SW: DASY52, Version 52.10 (4);

Configuration/1900 MHz Verification Input Power 250 mW 2023-10-10/Area Scan (8x11x1):
Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 10.5 W/kg

Configuration/1900 MHz Verification Input Power 250 mW 2023-10-10/Zoom Scan (5x5x7)/Cube 0:
Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 108.3 V/m; Power Drift = -0.12 dB
Peak SAR (extrapolated) = 17.9 W/kg
SAR(1 g) = 9.71 W/kg; SAR(10 g) = 5.06 W/kg

Maximum value of SAR (measured) = 15.1 W/kg



0 dB = 15.1 W/kg = 11.79 dBW/kg

Date: 10/13/2023

Test Laboratory: Eurofins KCTL Co.,Ltd.
File Name: 1900 MHz Verification Input Power 250 mW 2023-10.13.da52:0

DUT: Dipole 1900 MHz D1900V2, Type: D1900V2, Serial: D1900V2 - SN:5d248

Communication System: UID 0, CW (0); Frequency: 1900 MHz; Duty Cycle: 1:1
Medium parameters used: f = 1900 MHz; σ = 1.434 S/m; ε_r = 39.04; ρ = 1000 kg/m^3
Phantom section: Flat Section

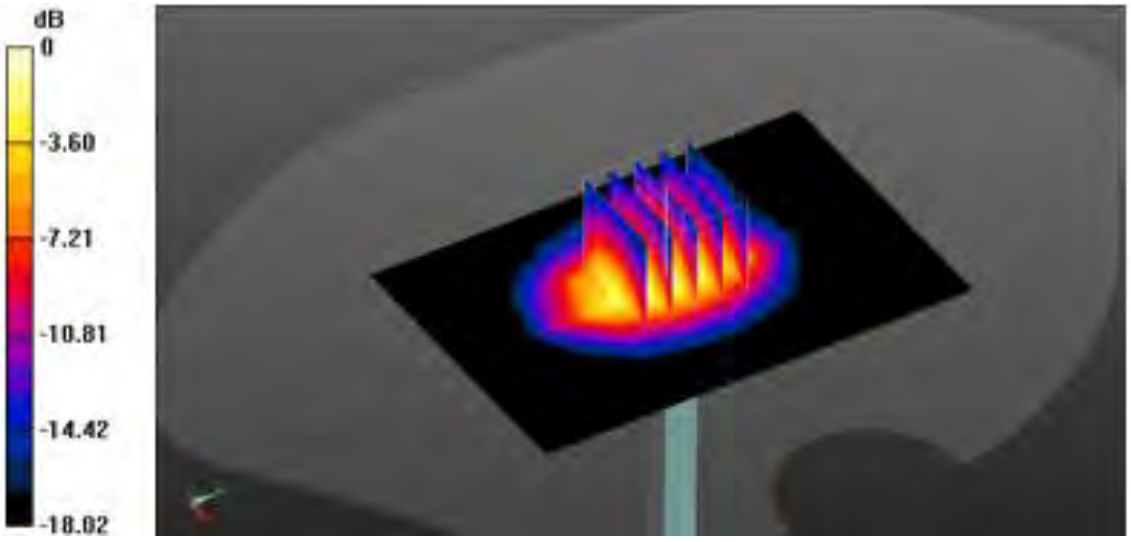
DASY5 Configuration:

- Probe: EX3DV4 - SN7540;ConvF(8.52, 8.52, 8.52) @ 1900 MHz; Calibrated: 5/4/2023
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1342; Calibrated: 3/13/2023
- Phantom: Twin-SAM V8.0; Type: QD 000 P41 AA; Serial: 1975
- Measurement SW: DASY52, Version 52.10 (4);

Configuration/1900 MHz Verification Input Power 250 mW 2023-10-13/Area Scan (7x10x1):
Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 13.1 W/kg

Configuration/1900 MHz Verification Input Power 250 mW 2023-10-13/Zoom Scan (5x5x7)/Cube 0:
Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 95.94 V/m; Power Drift = 0.14 dB
Peak SAR (extrapolated) = 18.2 W/kg
SAR(1 g) = 10.2 W/kg; SAR(10 g) = 5.43 W/kg

Maximum value of SAR (measured) = 15.3 W/kg



0 dB = 15.3 W/kg = 11.85 dBW/kg

Date: 11/7/2023

Test Laboratory: Eurofins KCTL Co.,Ltd.
File Name: 1900 MHz Verification Input Power 250 mW 2023-11-07.da52:0

DUT: Dipole 1900 MHz D1900V2, Type: D1900V2, Serial: D1900V2 - SN:5d160

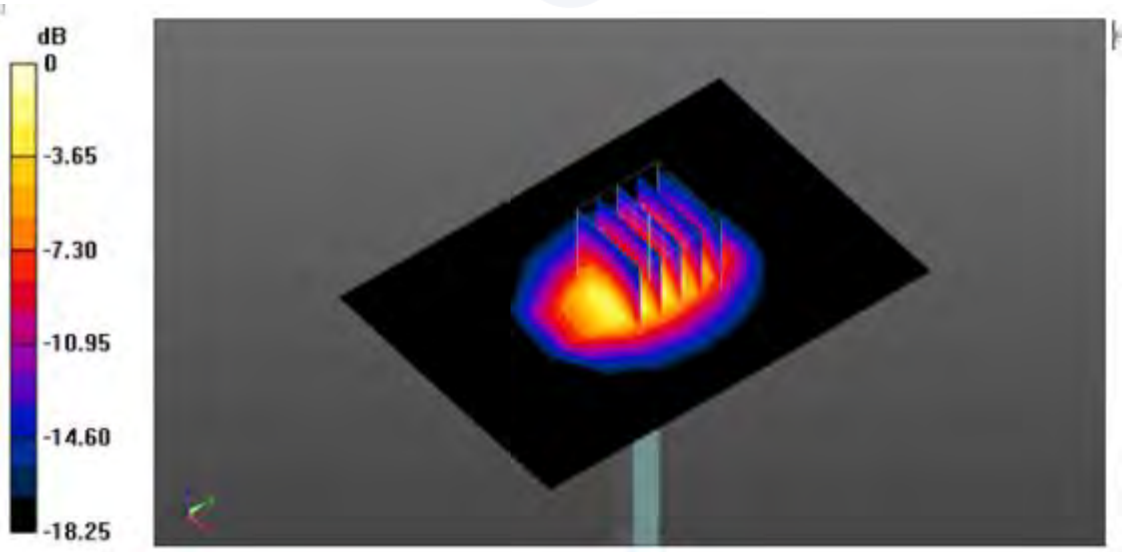
Communication System: UID 0, CW (0); Frequency: 1900 MHz; Duty Cycle: 1:1
Medium parameters used: f = 1900 MHz; σ = 1.398 S/m; ε_r = 39.673; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7540;ConvF(8.52, 8.52, 8.52) @ 1900 MHz; Calibrated: 5/4/2023
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1586; Calibrated: 4/26/2023
- Phantom: ELI V5.0; Type: QD OVA 001 BB; Serial: 1220
- Measurement SW: DASY52, Version 52.10 (4);

Configuration/1900 MHz Verification Input Power 250 mW 2023-11-07/Area Scan (8x11x1):
Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 11.6 W/kg

Configuration/1900 MHz Verification Input Power 250 mW 2023-11-07/Zoom Scan (5x5x7)/Cube 0:
Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 108.0 V/m; Power Drift = -0.09 dB
Peak SAR (extrapolated) = 18.2 W/kg
SAR(1 g) = 10.1 W/kg; SAR(10 g) = 5.33 W/kg
Maximum value of SAR (measured) = 15.1 W/kg



0 dB = 15.1 W/kg = 11.79 dBW/kg

Date: 10/11/2023

Test Laboratory: Eurofins KCTL Co.,Ltd.
File Name: 2450 MHz Verification Input Power 100 mW 2023-10-11.da5.da53:0

DUT: Dipole 2450 MHz D2450V2, Type: D2450V2, Serial: D2450V2 - SN:1091

Communication System: UID 0, CW (0); Frequency: 2450 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): f = 2450 MHz; σ = 1.804 S/m; ε_r = 39.903; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:

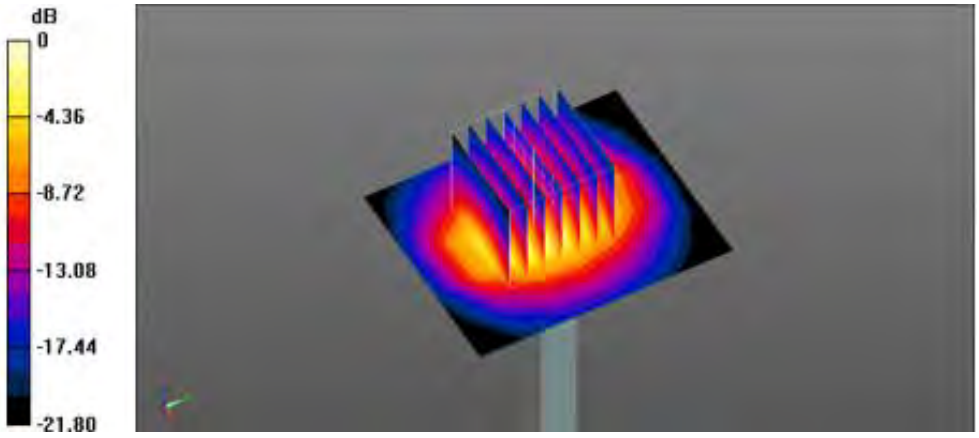
- Probe: EX3DV4 - SN7840;ConvF(6.8, 6.79, 6.85) @ 2450 MHz; Calibrated: 8/25/2023
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1758; Calibrated: 8/24/2023
- Phantom: ELI v5.0 sn1178; Type: QDOVA002AA; Serial: TP:1178
- Measurement SW: DASY52, Version 52.10 (4);

Configuration/2450 MHz Verification Input Power 100 mW 2023-10-11/Area Scan (6x7x1):
Measurement grid: dx=12mm, dy=12mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 7.43 W/kg

Configuration/2450 MHz Verification Input Power 100 mW 2023-10-11/Zoom Scan (7x7x7)/Cube 0:
Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 72.23 V/m; Power Drift = 0.07 dB
Peak SAR (extrapolated) = 11.1 W/kg
SAR(1 g) = 5.44 W/kg; SAR(10 g) = 2.56 W/kg

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 8.92 W/kg



0 dB = 8.92 W/kg = 9.50 dBW/kg

Date: 10/12/2023

Test Laboratory: Eurofins KCTL Co.,Ltd.
File Name: 2450 MHz Verification Input Power 100 mW 2023-10-12.da5.da53:0

DUT: Dipole 2450 MHz D2450V2, Type: D2450V2, Serial: D2450V2 - SN:1091

Communication System: UID 0, CW (0); Frequency: 2450 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): f = 2450 MHz; σ = 1.811 S/m; ε_r = 40.991; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:

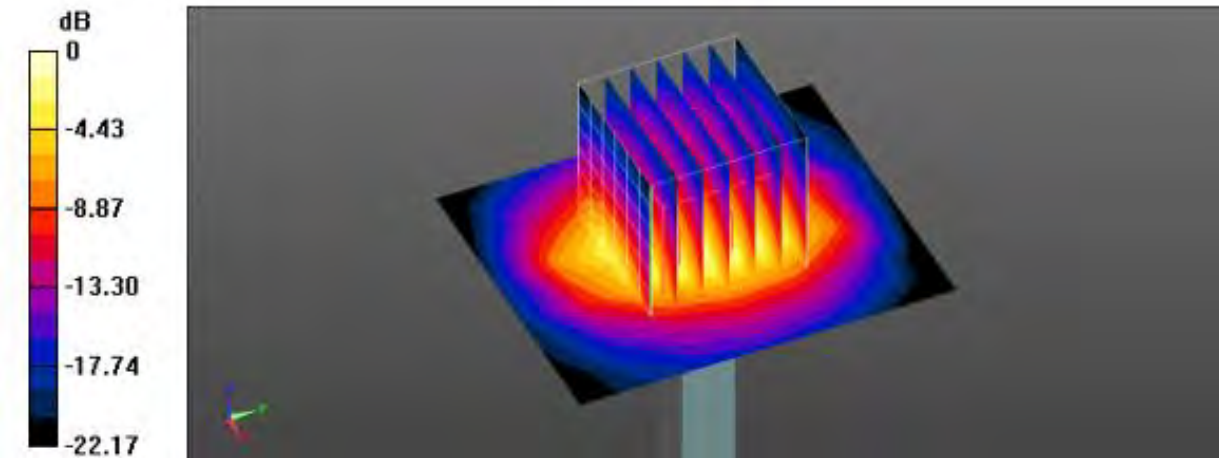
- Probe: EX3DV4 - SN7840;ConvF(6.8, 6.79, 6.85) @ 2450 MHz; Calibrated: 8/25/2023
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1758; Calibrated: 8/24/2023
- Phantom: Twin-SAM V4.0; Type: QD 000 P40 CC; Serial: 1728
- Measurement SW: DASY52, Version 52.10 (4);

Configuration/2450 MHz Verification Input Power 100 mW 2023-10-12/Area Scan (6x7x1):
Measurement grid: dx=12mm, dy=12mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 7.66 W/kg

Configuration/2450 MHz Verification Input Power 100 mW 2023-10-12/Zoom Scan (7x7x7)/Cube 0:
Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 75.63 V/m; Power Drift = -0.15 dB
Peak SAR (extrapolated) = 11.4 W/kg
SAR(1 g) = 5.57 W/kg; SAR(10 g) = 2.59 W/kg

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 9.31 W/kg



0 dB = 9.31 W/kg = 9.69 dBW/kg

Date: 10/21/2023

Test Laboratory: Eurofins KCTL Co.,Ltd.
File Name: 2450 MHz Verification Input Power 100 mW 2023-10-21.da5.da53:0

DUT: Dipole 2450 MHz D2450V2, Type: D2450V2, Serial: D2450V2 - SN:895

Communication System: UID 0, CW (0); Frequency: 2450 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): f = 2450 MHz; σ = 1.824 S/m; ε_r = 38.649; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:

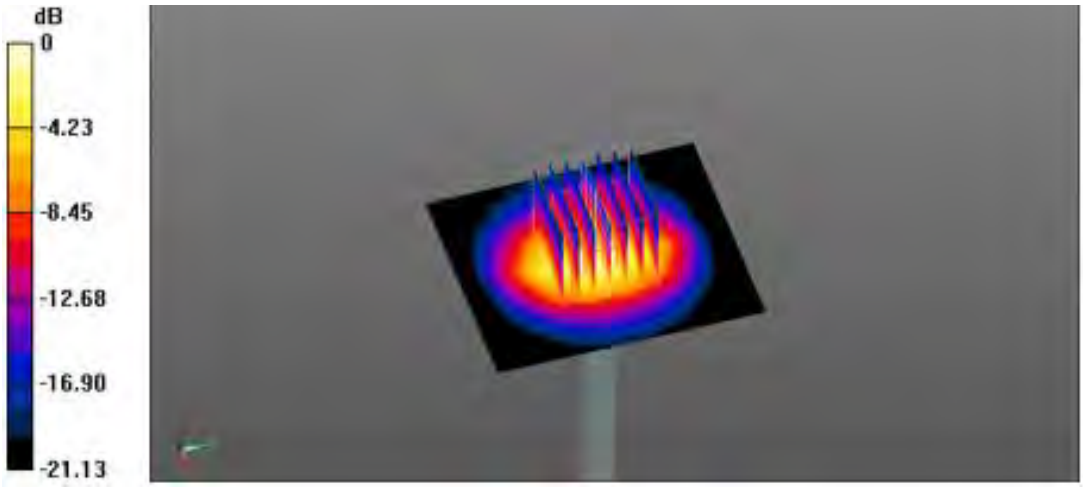
- Probe: EX3DV4 - SN7840;ConvF(6.8, 6.79, 6.85) @ 2450 MHz; Calibrated: 8/25/2023
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1758; Calibrated: 8/24/2023
- Phantom: ELI v5.0 sn1178; Type: QDOVA002AA; Serial: TP:1178
- Measurement SW: DASY52, Version 52.10 (4);

Configuration/2450 MHz Verification Input Power 100 mW 2023-10-21/Area Scan (7x8x1):
Measurement grid: dx=12mm, dy=12mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 8.07 W/kg

Configuration/2450 MHz Verification Input Power 100 mW 2023-10-21/Zoom Scan (7x7x7)/Cube 0:
Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 73.14 V/m; Power Drift = -0.04 dB
Peak SAR (extrapolated) = 10.6 W/kg
SAR(1 g) = 5.38 W/kg; SAR(10 g) = 2.56 W/kg

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 8.80 W/kg



0 dB = 8.80 W/kg = 9.44 dBW/kg

Date: 10/22/2023

Test Laboratory: Eurofins KCTL Co.,Ltd.
File Name: 2450 MHz Verification Input Power 100 mW 2023-10-22.da5.da53:0

DUT: Dipole 2450 MHz D2450V2, Type: D2450V2, Serial: D2450V2 - SN:895

Communication System: UID 0, CW (0); Frequency: 2450 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): f = 2450 MHz; σ = 1.803 S/m; ε_r = 38.477; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:

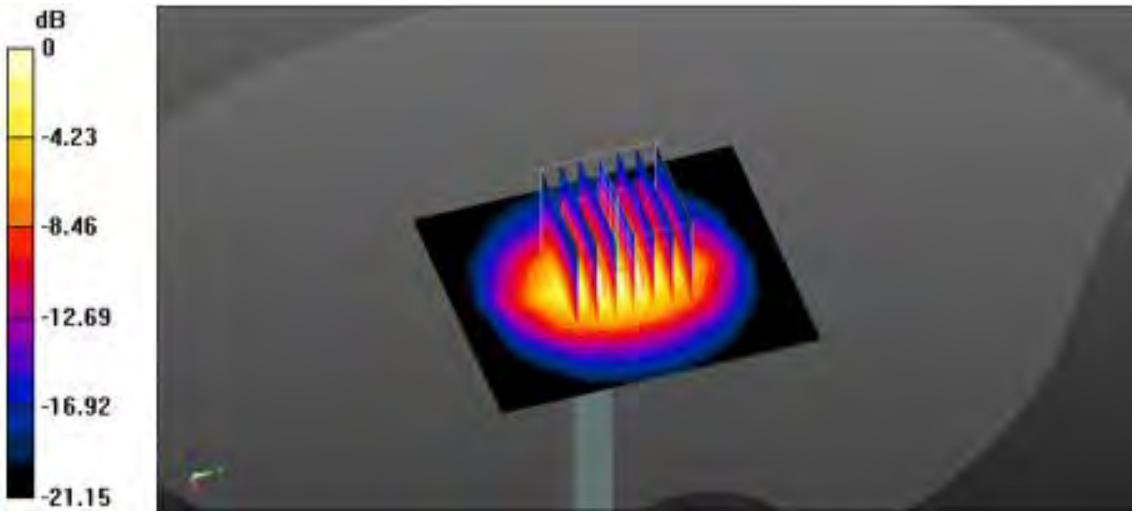
- Probe: EX3DV4 - SN7840;ConvF(6.8, 6.79, 6.85) @ 2450 MHz; Calibrated: 8/25/2023
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1758; Calibrated: 8/24/2023
- Phantom: Twin-SAM V4.0; Type: QD 000 P40 CC; Serial: 1728
- Measurement SW: DASY52, Version 52.10 (4);

Configuration/2450 MHz Verification Input Power 100 mW 2023-10-22/Area Scan (7x8x1):
Measurement grid: dx=12mm, dy=12mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 7.86 W/kg

Configuration/2450 MHz Verification Input Power 100 mW 2023-10-22/Zoom Scan (7x7x7)/Cube 0:
Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 73.05 V/m; Power Drift = -0.07 dB
Peak SAR (extrapolated) = 10.4 W/kg
SAR(1 g) = 5.28 W/kg; SAR(10 g) = 2.5 W/kg

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 8.63 W/kg



0 dB = 8.63 W/kg = 9.36 dBW/kg

Date: 2023-10-16

Test Laboratory: Eurofins KCTL Co.,Ltd.
File Name*:* **2600 MHz Verification Input Power 100 mW 2023-10-16.da52:0**

DUT: Dipole 2600 MHz D2600V2, Type: D2600V2, Serial: D2600V2 - SN:1200

Communication System: UID 0, CW (0); Frequency: 2600 MHz; Duty Cycle: 1:1
Medium parameters used: f = 2600 MHz; σ = 2.019 S/m; ε_r = 39.179; ρ = 1000 kg/m^3
Phantom section: Flat Section

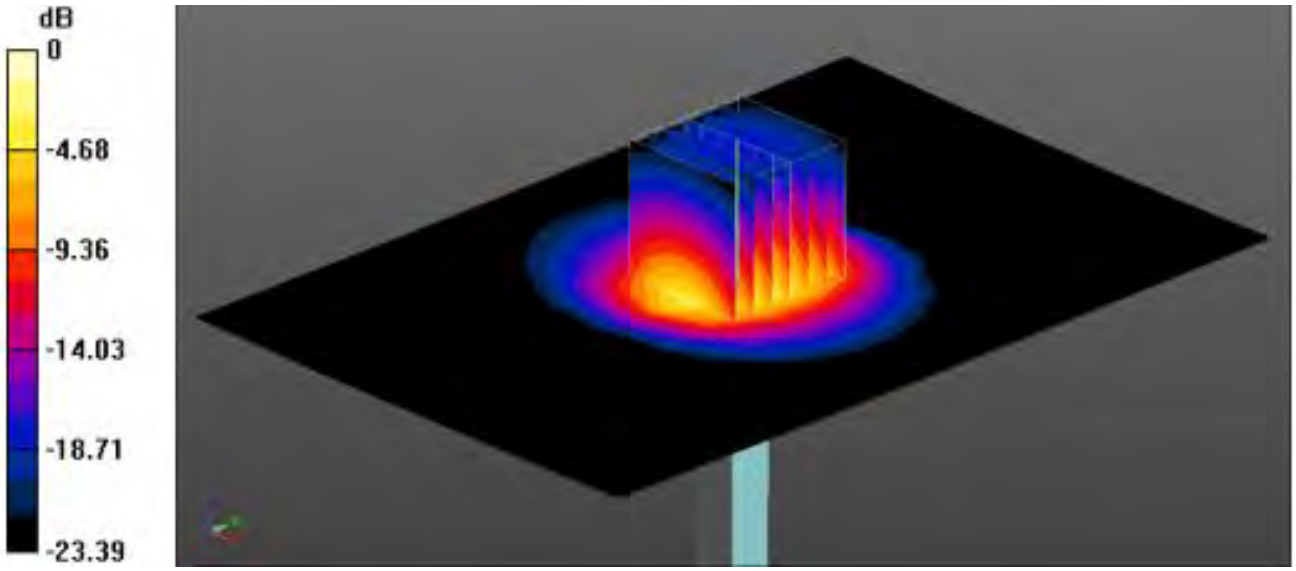
DASY5 Configuration:

- Probe: EX3DV4 - SN3865;ConvF(7.22, 7.64, 7.61) @ 2600 MHz; Calibrated: 2023-01-22
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1586; Calibrated: 2023-04-26
- Phantom: ELI V5.0; Type: QD OVA 001 BB; Serial: 1220
- Measurement SW: DASY52, Version 52.10 (4);

Configuration/2600 MHz Verification Input Power 100 mW 2023-10-16/Area Scan (11x16x1):
Measurement grid: dx=12mm, dy=12mm
Maximum value of SAR (measured) = 8.84 W/kg

Configuration/2600 MHz Verification Input Power 100 mW 2023-10-16/Zoom Scan (7x7x7)/Cube 0:
Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 71.80 V/m; Power Drift = -0.19 dB
Peak SAR (extrapolated) = 11.6 W/kg
SAR(1 g) = 5.4 W/kg; SAR(10 g) = 2.43 W/kg

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



0 dB = 9.27 W/kg = 9.67 dBW/kg

Date: 2023-10-18

Test Laboratory: Eurofins KCTL Co.,Ltd.
File Name: 2600 MHz Verification Input Power 100 mW 2023-10-18.da52:0

DUT: Dipole 2600 MHz D2600V2, Type: D2600V2, Serial: D2600V2 - SN:1200

Communication System: UID 0, CW (0); Frequency: 2600 MHz; Duty Cycle: 1:1
Medium parameters used: f = 2600 MHz; σ = 1.981 S/m; ε_r = 37.971; ρ = 1000 kg/m^3
Phantom section: Flat Section

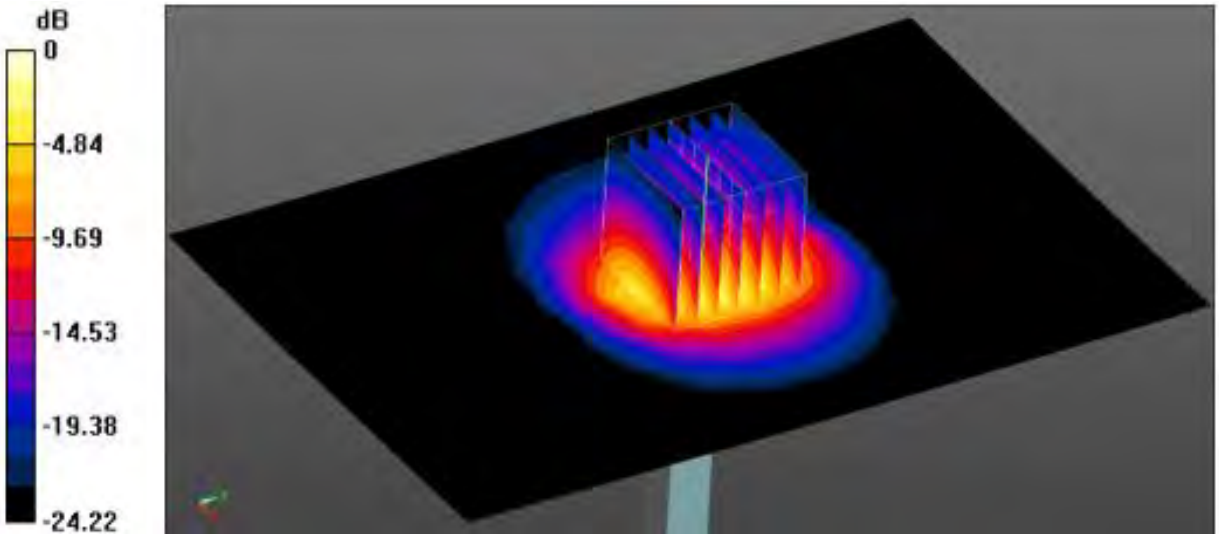
DASY5 Configuration:

- Probe: EX3DV4 - SN3865;ConvF(7.22, 7.64, 7.61) @ 2600 MHz; Calibrated: 2023-01-22
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1586; Calibrated: 2023-04-26
- Phantom: ELI V5.0; Type: QD OVA 001 BB; Serial: 1220
- Measurement SW: DASY52, Version 52.10 (4);

Configuration/2600 MHz Verification Input Power 100 mW 2023-10-18/Area Scan (11x16x1):
Measurement grid: dx=12mm, dy=12mm
Maximum value of SAR (measured) = 8.88 W/kg

Configuration/2600 MHz Verification Input Power 100 mW 2023-10-18/Zoom Scan (7x7x7)/Cube 0:
Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 62.21 V/m; Power Drift = 0.08 dB
Peak SAR (extrapolated) = 12.2 W/kg
SAR(1 g) = 5.64 W/kg; SAR(10 g) = 2.53 W/kg

Maximum value of SAR (measured) = 9.67 W/kg



0 dB = 9.67 W/kg = 9.85 dBW/kg

Date: 2023-10-19

Test Laboratory: Eurofins KCTL Co.,Ltd.
File Name: 2600 MHz Verification Input Power 100 mW 2023-10-19.da52:0

DUT: Dipole 2600 MHz D2600V2, Type: D2600V2, Serial: D2600V2 - SN:1200

Communication System: UID 0, CW (0); Frequency: 2600 MHz; Duty Cycle: 1:1
Medium parameters used: f = 2600 MHz; σ = 1.928 S/m; ε_r = 38.709; ρ = 1000 kg/m^3
Phantom section: Flat Section

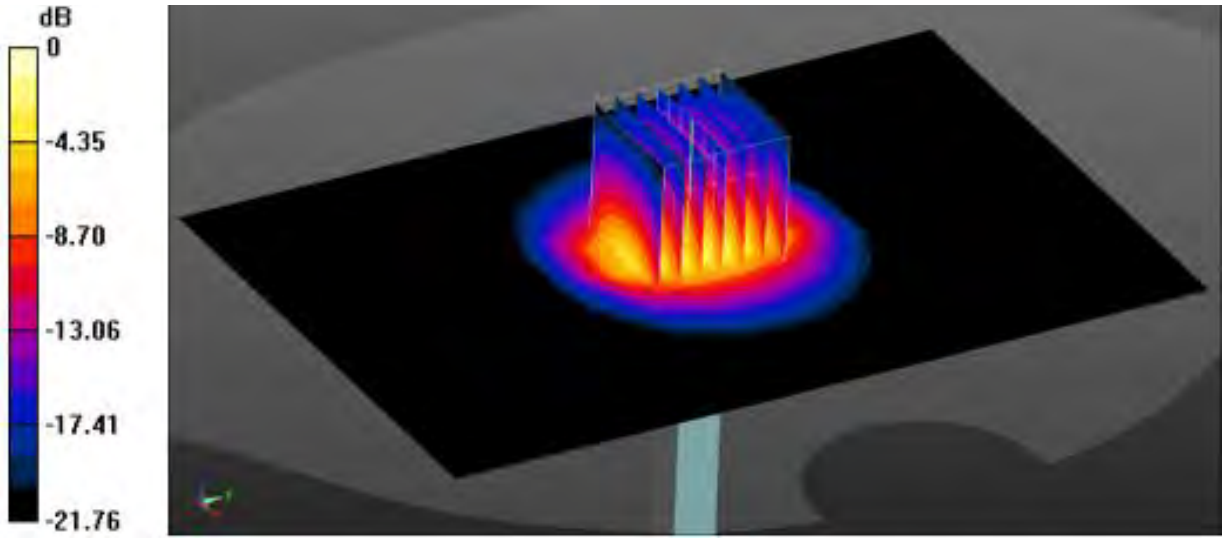
DASY5 Configuration:

- Probe: EX3DV4 - SN3865;ConvF(7.22, 7.64, 7.61) @ 2600 MHz; Calibrated: 2023-01-22
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1586; Calibrated: 2023-04-26
- Phantom: Twin-SAM V5.0; Type: QD 000 P40 CD; Serial: 1724
- Measurement SW: DASY52, Version 52.10 (4);

Configuration/2600 MHz Verification Input Power 100 mW 2023-10-19 2 2/Area Scan (11x16x1):
Measurement grid: dx=12mm, dy=12mm
Maximum value of SAR (measured) = 7.13 W/kg

Configuration/2600 MHz Verification Input Power 100 mW 2023-10-19 2 2/Zoom Scan (7x7x7)/Cube 0:
Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 64.99 V/m; Power Drift = 0.02 dB
Peak SAR (extrapolated) = 11.3 W/kg
SAR(1 g) = 5.64 W/kg; SAR(10 g) = 2.63 W/kg

Maximum value of SAR (measured) = 9.30 W/kg



0 dB = 9.30 W/kg = 9.68 dBW/kg

Date: 10/30/2023

Test Laboratory: Eurofins KCTL Co.,Ltd.
File Name: 2600 MHz Verification Input Power 100 mW 2023-10-30.da52:0

DUT: Dipole 2600 MHz D2600V2, Type: D2600V2, Serial: D2600V2 - SN:1050

Communication System: UID 0, CW (0); Frequency: 2600 MHz; Duty Cycle: 1:1
Medium parameters used: f = 2600 MHz; σ = 1.926 S/m; ε_r = 40.145; ρ = 1000 kg/m^3
Phantom section: Flat Section

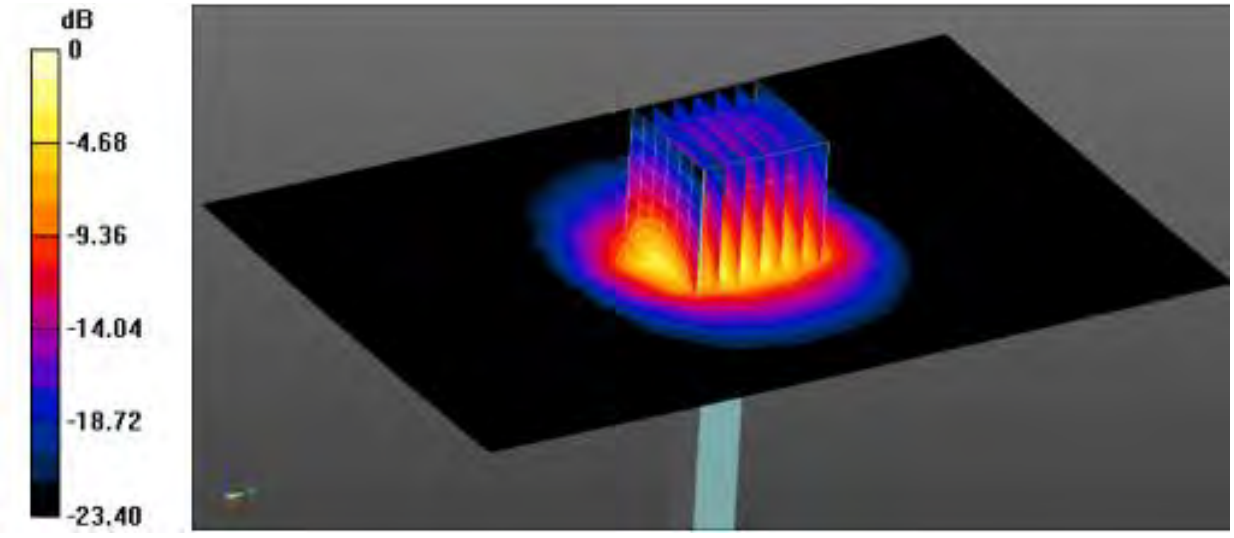
DASY5 Configuration:

- Probe: EX3DV4 - SN7540;ConvF(7.49, 7.49, 7.49) @ 2600 MHz; Calibrated: 5/4/2023
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1586; Calibrated: 4/26/2023
- Phantom: ELI V5.0; Type: QD OVA 001 BB; Serial: 1220
- Measurement SW: DASY52, Version 52.10 (4);

Configuration/2600 MHz Verification Input Power 100 mW 2023-10-30 2/Area Scan (11x16x1):
Measurement grid: dx=12mm, dy=12mm
Maximum value of SAR (measured) = 8.24 W/kg

Configuration/2600 MHz Verification Input Power 100 mW 2023-10-30 2/Zoom Scan (7x7x7)/Cube 0:
Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 70.35 V/m; Power Drift = -0.02 dB
Peak SAR (extrapolated) = 11.8 W/kg
SAR(1 g) = 5.57 W/kg; SAR(10 g) = 2.54 W/kg

Maximum value of SAR (measured) = 9.46 W/kg



0 dB = 9.46 W/kg = 9.76 dBW/kg

Date: 10/18/2023

Test Laboratory: Eurofins KCTL Co.,Ltd.
File Name: 5250 MHz Verification Input Power 100 mW 2023-10-18.da5:0

DUT: Dipole D5GHzV2, Type: D5GHzV2, Serial: D5GHzV2 - SN:1293

Communication System: UID 0, CW (0); Frequency: 5250 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): f = 5250 MHz; σ = 4.752 S/m; ε_r = 35.755; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:

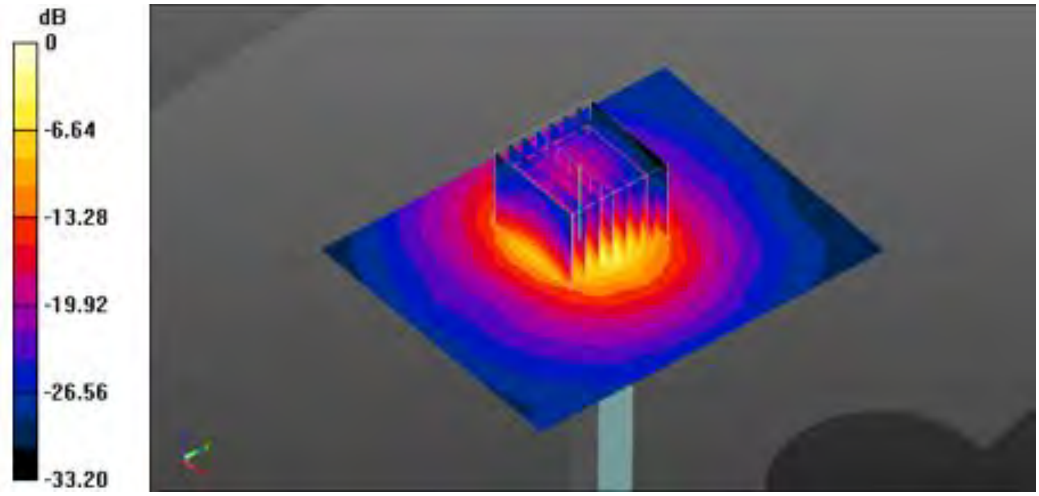
- Probe: EX3DV4 - SN7540;ConvF(5.24, 5.24, 5.24) @ 5250 MHz; Calibrated: 5/4/2023
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1342; Calibrated: 3/13/2023
- Phantom: Twin-SAM V8.0; Type: QD 000 P41 AA; Serial: 1975
- Measurement SW: DASY52, Version 52.10 (4);

Configuration/5250 MHz Verification Input Power 100 mW 2023-10-18/Area Scan (9x11x1):
Measurement grid: dx=10mm, dy=10mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 16.4 W/kg

Configuration/5250 MHz Verification Input Power 100 mW 2023-10-18/Zoom Scan (8x8x7)/Cube 0:
Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 52.96 V/m; Power Drift = 0.11 dB
Peak SAR (extrapolated) = 27.9 W/kg
SAR(1 g) = 8.06 W/kg; SAR(10 g) = 2.42 W/kg

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 19.4 W/kg



0 dB = 19.4 W/kg = 12.88 dBW/kg

Date: 10/18/2023

Test Laboratory: Eurofins KCTL Co.,Ltd.
File Name: 5250 MHz Verification Input Power 100 mW 2023-10-18.da5:0

DUT: Dipole D5GHzV2, Type: D5GHzV2, Serial: D5GHzV2 - SN:1293

Communication System: UID 0, CW (0); Frequency: 5250 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): f = 5250 MHz; σ = 4.613 S/m; ε_r = 35.212; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:

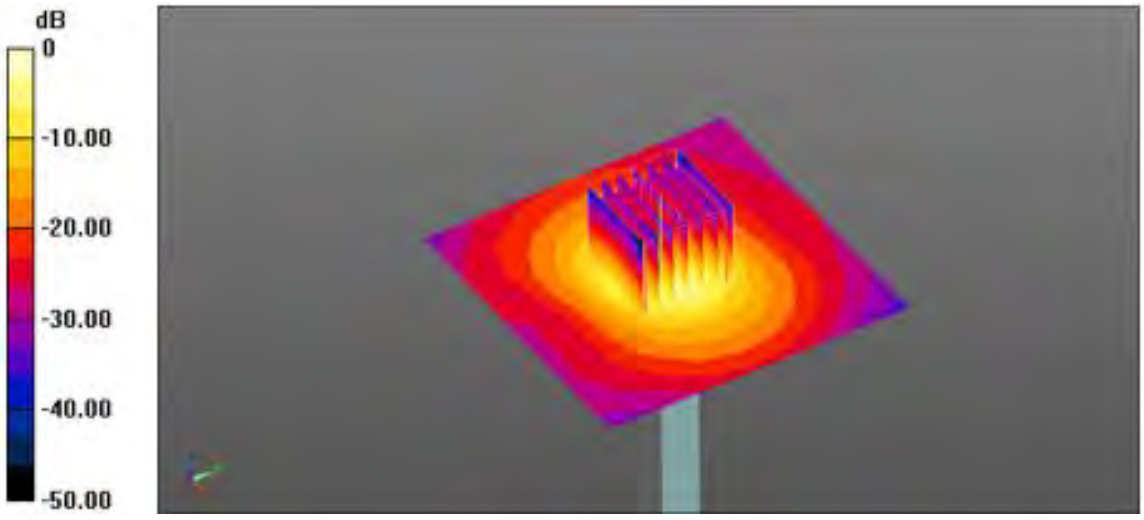
- Probe: EX3DV4 - SN7840;ConvF(5.33, 5.34, 5.33) @ 5250 MHz; Calibrated: 8/25/2023
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1758; Calibrated: 8/24/2023
- Phantom: ELI v5.0 sn1178; Type: QDOVA002AA; Serial: TP:1178
- Measurement SW: DASY52, Version 52.10 (4);

Configuration/5250 MHz Verification Input Power 100 mW 2023-10-18/Area Scan (9x9x1):
Measurement grid: dx=10mm, dy=10mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 19.2 W/kg

Configuration/5250 MHz Verification Input Power 100 mW 2023-10-18/Zoom Scan (7x7x7)/Cube 0:
Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 69.35 V/m; Power Drift = -0.01 dB
Peak SAR (extrapolated) = 31.8 W/kg
SAR(1 g) = 7.98 W/kg; SAR(10 g) = 2.33 W/kg

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 19.8 W/kg



0 dB = 19.8 W/kg = 12.97 dBW/kg

Date: 10/18/2023

Test Laboratory: Eurofins KCTL Co.,Ltd.
File Name: 5600 MHz Verification Input Power 100 mW 2023-10-18.da5:0

DUT: Dipole D5GHzV2, Type: D5GHzV2, Serial: D5GHzV2 - SN:1293

Communication System: UID 0, CW (0); Frequency: 5600 MHz; Duty Cycle: 1:1
Medium parameters used: f = 5600 MHz; σ = 5.144 S/m; ε_r = 35.063; ρ = 1000 kg/m^3
Phantom section: Flat Section

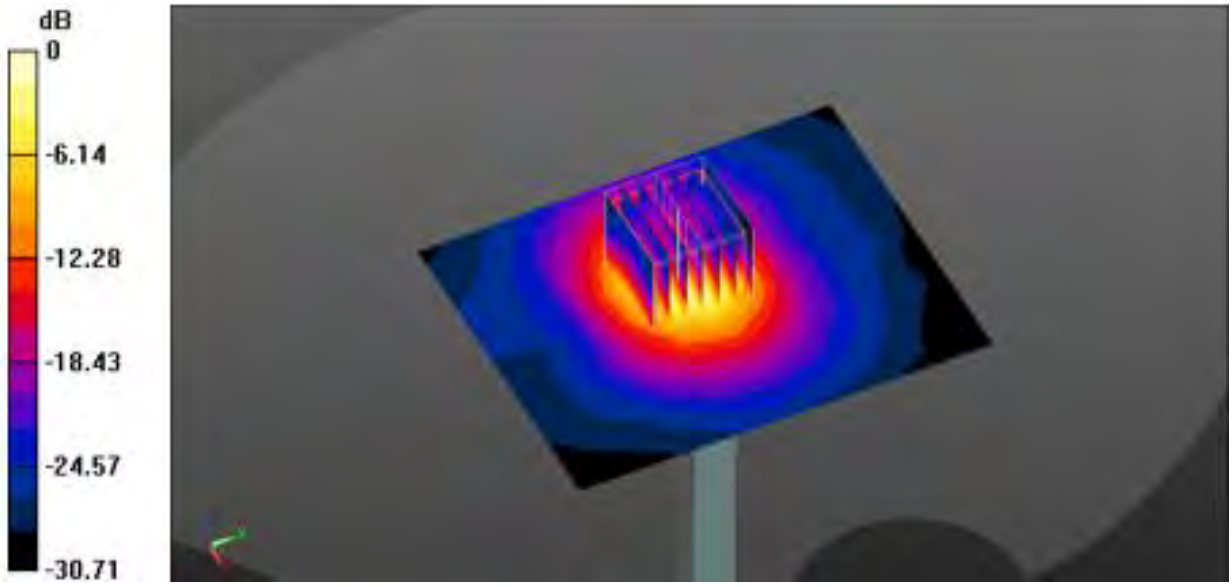
DASY5 Configuration:

- Probe: EX3DV4 - SN7540;ConvF(4.55, 4.55, 4.55) @ 5600 MHz; Calibrated: 5/4/2023
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1342; Calibrated: 3/13/2023
- Phantom: Twin-SAM V8.0; Type: QD 000 P41 AA; Serial: 1975
- Measurement SW: DASY52, Version 52.10 (4);

Configuration/5600 MHz Verification Input Power 100 mW 2023-10-18/Area Scan (9x11x1):
Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 15.6 W/kg

Configuration/5600 MHz Verification Input Power 100 mW 2023-10-18/Zoom Scan (7x7x7)/Cube 0:
Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 50.30 V/m; Power Drift = -0.00 dB
Peak SAR (extrapolated) = 28.0 W/kg
SAR(1 g) = 8.25 W/kg; SAR(10 g) = 2.48 W/kg

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



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

Date: 10/19/2023

Test Laboratory: Eurofins KCTL Co.,Ltd.
File Name: 5600 MHz Verification Input Power 100 mW 2023-10-19.da5:0

DUT: Dipole D5GHzV2, Type: D5GHzV2, Serial: D5GHzV2 - SN:1293

Communication System: UID 0, CW (0); Frequency: 5600 MHz; Duty Cycle: 1:1
Medium parameters used: f = 5600 MHz; σ = 4.99 S/m; ε_r = 36.136; ρ = 1000 kg/m^3
Phantom section: Flat Section

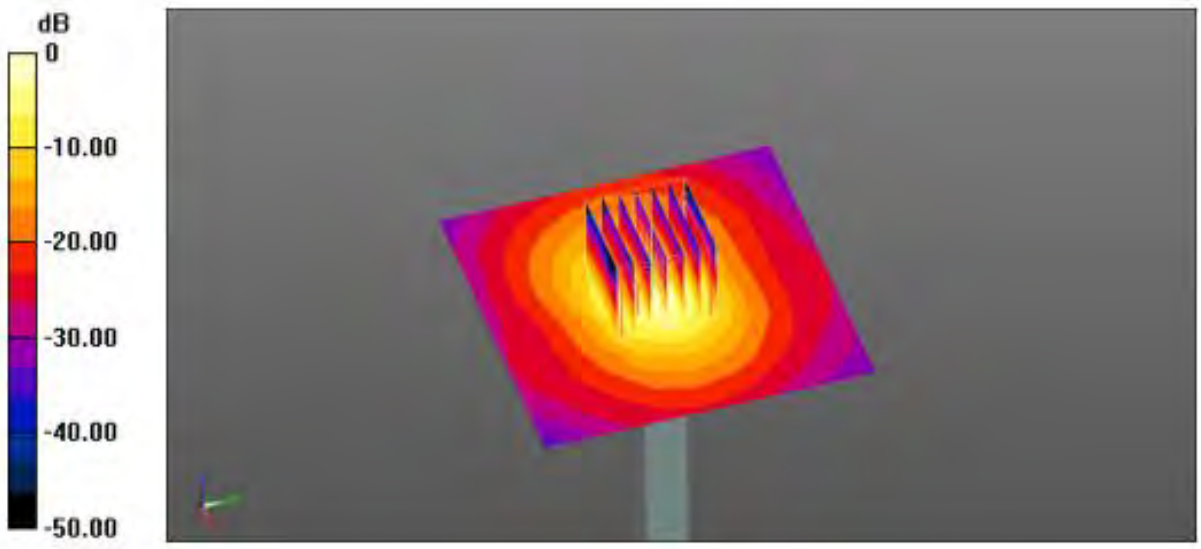
DASY5 Configuration:

- Probe: EX3DV4 - SN7840;ConvF(4.59, 4.57, 4.57) @ 5600 MHz; Calibrated: 8/25/2023
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1758; Calibrated: 8/24/2023
- Phantom: ELI v5.0 sn1178; Type: QDOVA002AA; Serial: TP:1178
- Measurement SW: DASY52, Version 52.10 (4);

Configuration/5600 MHz Verification Input Power 100 mW 2023-10-19/Area Scan (9x9x1):
Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 20.5 W/kg

Configuration/5600 MHz Verification Input Power 100 mW 2023-10-19/Zoom Scan (7x7x7)/Cube 0:
Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 70.82 V/m; Power Drift = -0.03 dB
Peak SAR (extrapolated) = 34.0 W/kg
SAR(1 g) = 8.22 W/kg; SAR(10 g) = 2.36 W/kg

Maximum value of SAR (measured) = 20.9 W/kg



0 dB = 20.9 W/kg = 13.20 dBW/kg

Date: 10/18/2023

Test Laboratory: Eurofins KCTL Co.,Ltd.
File Name: 5800 MHz Verification Input Power 100 mW 2023-10-18.da5:0

DUT: Dipole D5GHzV2, Type: D5GHzV2, Serial: D5GHzV2 - SN:1293

Communication System: UID 0, CW (0); Frequency: 5800 MHz; Duty Cycle: 1:1
Medium parameters used: f = 5800 MHz; σ = 5.369 S/m; ε_r = 34.65; ρ = 1000 kg/m^3
Phantom section: Flat Section

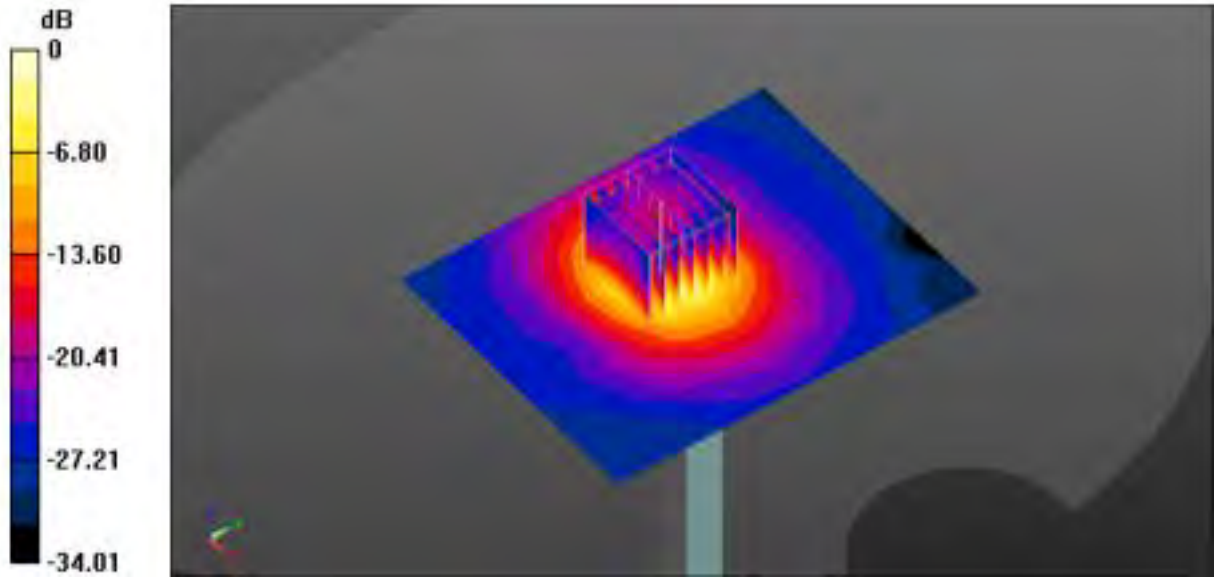
DASY5 Configuration:

- Probe: EX3DV4 - SN7540;ConvF(4.7, 4.7, 4.7) @ 5800 MHz; Calibrated: 5/4/2023
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1342; Calibrated: 3/13/2023
- Phantom: Twin-SAM V8.0; Type: QD 000 P41 AA; Serial: 1975
- Measurement SW: DASY52, Version 52.10 (4);

Configuration/5800 MHz Verification Input Power 100 mW 2023-10-18/Area Scan (9x11x1):
Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 16.3 W/kg

Configuration/5800 MHz Verification Input Power 100 mW 2023-10-18/Zoom Scan (7x7x7)/Cube 0:
Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 47.31 V/m; Power Drift = -0.01 dB
Peak SAR (extrapolated) = 25.7 W/kg
SAR(1 g) = 7.55 W/kg; SAR(10 g) = 2.28 W/kg

Maximum value of SAR (measured) = 18.3 W/kg



0 dB = 18.3 W/kg = 12.62 dBW/kg

Date: 10/20/2023

Test Laboratory: Eurofins KCTL Co.,Ltd.
File Name: 5800 MHz Verification Input Power 100 mW 2023-10-20.da5:0

DUT: Dipole D5GHzV2, Type: D5GHzV2, Serial: D5GHzV2 - SN:1293

Communication System: UID 0, CW (0); Frequency: 5800 MHz; Duty Cycle: 1:1
Medium parameters used: f = 5800 MHz; σ = 5.158 S/m; ε_r = 35.763; ρ = 1000 kg/m^3
Phantom section: Flat Section

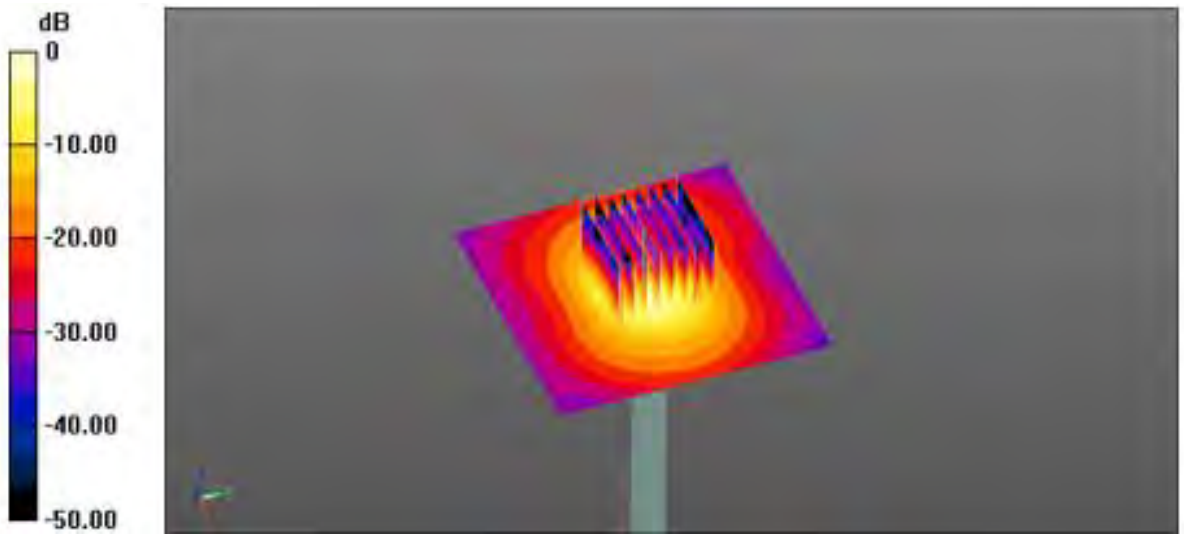
DASY5 Configuration:

- Probe: EX3DV4 - SN7840;ConvF(4.72, 4.69, 4.74) @ 5800 MHz; Calibrated: 8/25/2023
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1758; Calibrated: 8/24/2023
- Phantom: ELI v5.0 sn1178; Type: QDOVA002AA; Serial: TP:1178
- Measurement SW: DASY52, Version 52.10 (4);

Configuration/5800 MHz Verification Input Power 100 mW 2023-10-20/Area Scan (9x9x1):
Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 21.3 W/kg

Configuration/5800 MHz Verification Input Power 100 mW 2023-10-20/Zoom Scan (8x8x7)/Cube 0:
Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 69.90 V/m; Power Drift = -0.03 dB
Peak SAR (extrapolated) = 36.8 W/kg
SAR(1 g) = 8.11 W/kg; SAR(10 g) = 2.34 W/kg

Maximum value of SAR (measured) = 21.1 W/kg



0 dB = 21.1 W/kg = 13.24 dBW/kg

Date: 10/30/2023

Test Laboratory: Eurofins KCTL Co.,Ltd.
File Name: 5800 MHz Verification Input Power 100 mW 2023-10-30.da5:0

DUT: Dipole D5GHzV2, Type: D5GHzV2, Serial: D5GHzV2 - SN:1293

Communication System: UID 0, CW (0); Frequency: 5800 MHz; Duty Cycle: 1:1
Medium parameters used: f = 5800 MHz; σ = 5.178 S/m; ε_r = 34.406; ρ = 1000 kg/m^3
Phantom section: Flat Section

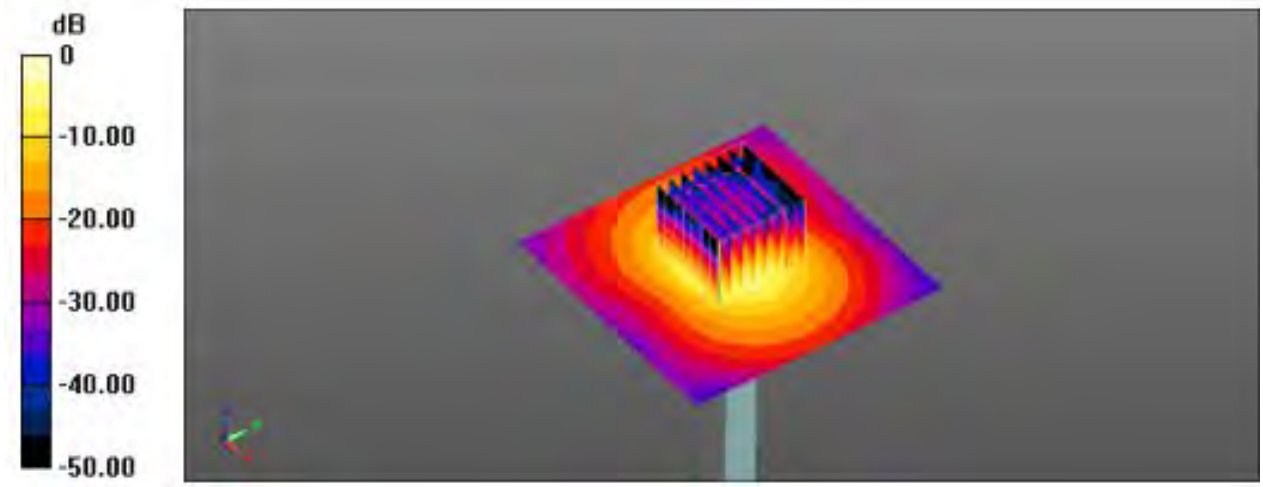
DASY5 Configuration:

- Probe: EX3DV4 - SN7840;ConvF(4.72, 4.69, 4.74) @ 5800 MHz; Calibrated: 8/25/2023
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1758; Calibrated: 8/24/2023
- Phantom: ELI v5.0 sn1178; Type: QDOVA002AA; Serial: TP:1178
- Measurement SW: DASY52, Version 52.10 (4);

Configuration/5800 MHz Verification Input Power 100 mW 2023-10-30/Area Scan (9x9x1):
Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 21.6 W/kg

Configuration/5800 MHz Verification Input Power 100 mW 2023-10-30/Zoom Scan (8x8x7)/Cube 0:
Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 52.19 V/m; Power Drift = 0.03 dB
Peak SAR (extrapolated) = 35.1 W/kg
SAR(1 g) = 7.78 W/kg; SAR(10 g) = 2.22 W/kg

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



0 dB = 20.2 W/kg = 13.05 dBW/kg

18. Test Results

1)

Date: 9/19/2023

Test Laboratory: Eurofins KCTL Co.,Ltd.
File Name: 1. GSM850_Head.da53:1

DUT: SM-X306B, Type: Tablet, Serial: R32W80019DT

Communication System: UID 0, GSM850_4TX (0); Frequency: 836.6 MHz; Duty Cycle: 1:2.07491
Medium parameters used: f = 836.6 MHz; σ = 0.895 S/m; ε_r = 42.83; ρ = 1000 kg/m^3
Phantom section: Left Section

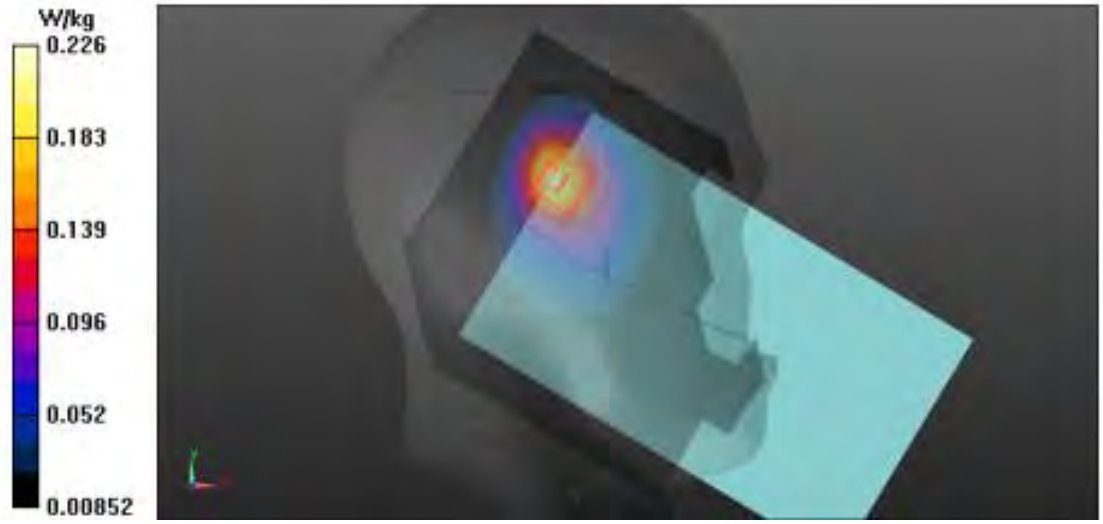
DASY5 Configuration:

- Probe: EX3DV4 - SN7540;ConvF(9.67, 9.67, 9.67) @ 836.6 MHz; Calibrated: 5/4/2023
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1342; Calibrated: 3/13/2023
- Phantom: Twin-SAM V8.0; Type: QD 000 P41 AA; Serial: 1975
- Measurement SW: DASY52, Version 52.10 (4);

Configuration 2/GSM850_GPRS 4Tx_CH190_Left Cheek/Area Scan (12x19x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.231 W/kg

Configuration 2/GSM850_GPRS 4Tx_CH190_Left Cheek/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 2.595 V/m; Power Drift = 0.06 dB
Peak SAR (extrapolated) = 0.273 W/kg
SAR(1 g) = 0.155 W/kg; SAR(10 g) = 0.099 W/kg

Maximum value of SAR (measured) = 0.226 W/kg



2)

Date: 9/20/2023

Test Laboratory: Eurofins KCTL Co.,Ltd.
File Name: 1. GSM1900_Head.da53:1

DUT: SM-X306B, Type: Tablet, Serial: R32W80019DT

Communication System: UID 0, GSM1900_4TX (0); Frequency: 1880 MHz; Duty Cycle: 1:2.07491
Medium parameters used: f = 1880 MHz; σ = 1.421 S/m; ε_r = 39.06; ρ = 1000 kg/m^3
Phantom section: Left Section

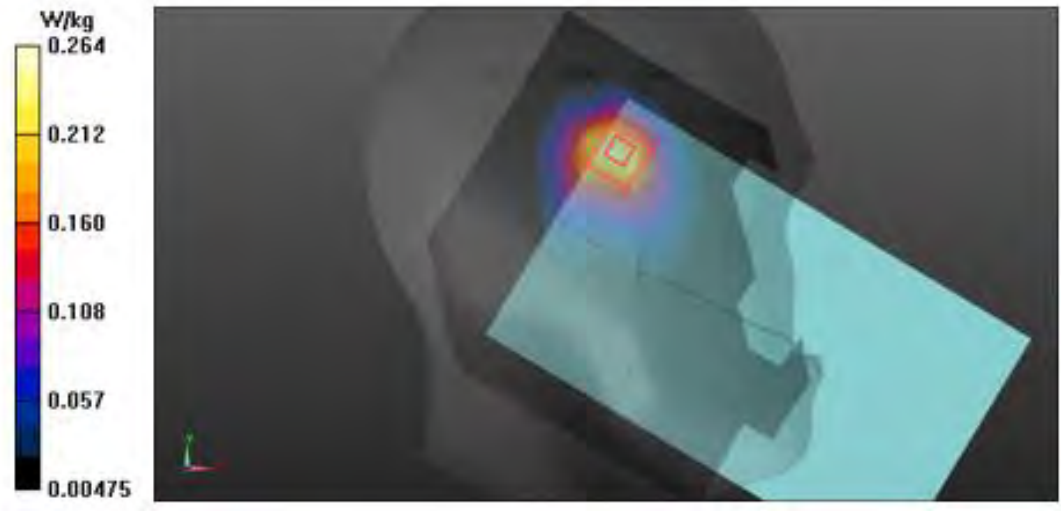
DASY5 Configuration:

- Probe: EX3DV4 - SN7540;ConvF(8.52, 8.52, 8.52) @ 1880 MHz; Calibrated: 5/4/2023
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1342; Calibrated: 3/13/2023
- Phantom: Twin-SAM V8.0; Type: QD 000 P41 AA; Serial: 1975
- Measurement SW: DASY52, Version 52.10 (4);

Configuration 2/GSM1900_GPRS 4Tx_CH661_Left Cheek/Area Scan (12x19x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.250 W/kg

Configuration 2/GSM1900_GPRS 4Tx_CH661_Left Cheek/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 14.26 V/m; Power Drift = -0.13 dB
Peak SAR (extrapolated) = 0.318 W/kg
SAR(1 g) = 0.187 W/kg; SAR(10 g) = 0.111 W/kg

Maximum value of SAR (measured) = 0.264 W/kg



3)

Date: 9/20/2023

Test Laboratory: Eurofins KCTL Co.,Ltd.
File Name: 1. WCDMA II_Head.da53:1

DUT: SM-X306B, Type: Tablet, Serial: R32W80019DT

Communication System: UID 0, W-CDMA 1900 (Band 2) (0); Frequency: 1880 MHz; Duty Cycle: 1:1
Medium parameters used: f = 1880 MHz; σ = 1.421 S/m; ε_r = 39.06; ρ = 1000 kg/m^3
Phantom section: Left Section

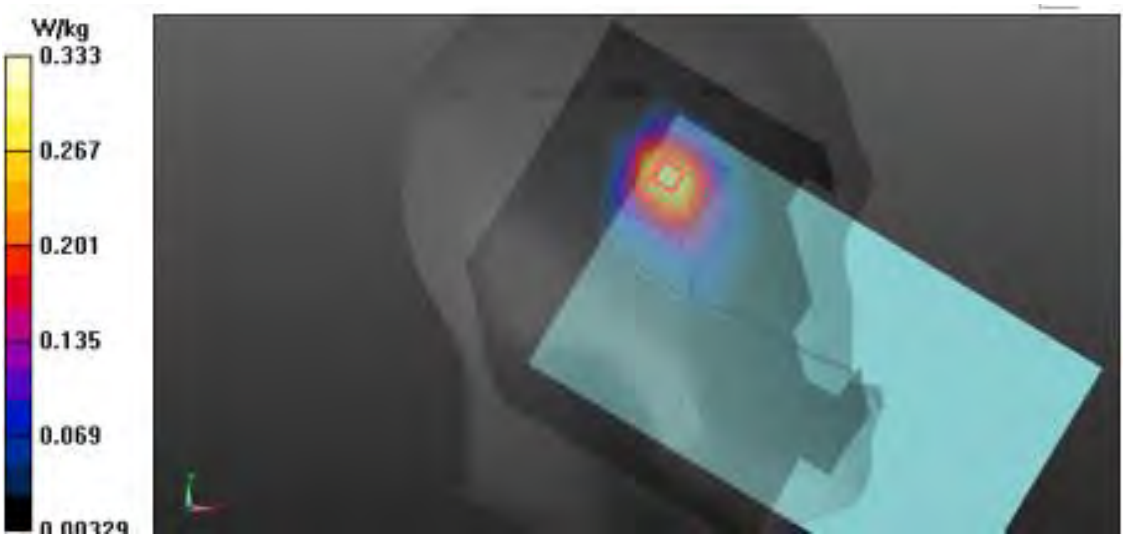
DASY5 Configuration:

- Probe: EX3DV4 - SN7540;ConvF(8.52, 8.52, 8.52) @ 1880 MHz; Calibrated: 5/4/2023
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1342; Calibrated: 3/13/2023
- Phantom: Twin-SAM V8.0; Type: QD 000 P41 AA; Serial: 1975
- Measurement SW: DASY52, Version 52.10 (4);

Configuration 2/WCDMA II _CH9400_Left Cheek/Area Scan (12x19x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.304 W/kg

Configuration 2/WCDMA II _CH9400_Left Cheek/Zoom Scan (6x6x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 10.71 V/m; Power Drift = -0.04 dB
Peak SAR (extrapolated) = 0.392 W/kg
SAR(1 g) = 0.238 W/kg; SAR(10 g) = 0.140 W/kg

Maximum value of SAR (measured) = 0.333 W/kg



4)

Date: 9/21/2023

Test Laboratory: Eurofins KCTL Co.,Ltd.
File Name: 1. WCDMA IV_Head.da53:1

DUT: SM-X306B, Type: Tablet, Serial: R32W80019DT

Communication System: UID 0, W-CDMA 1750 (Band 4) (0); Frequency: 1732.4 MHz; Duty Cycle: 1:1
Medium parameters used: f = 1732.4 MHz; σ = 1.385 S/m; ε_r = 39.234; ρ = 1000 kg/m^3
Phantom section: Left Section

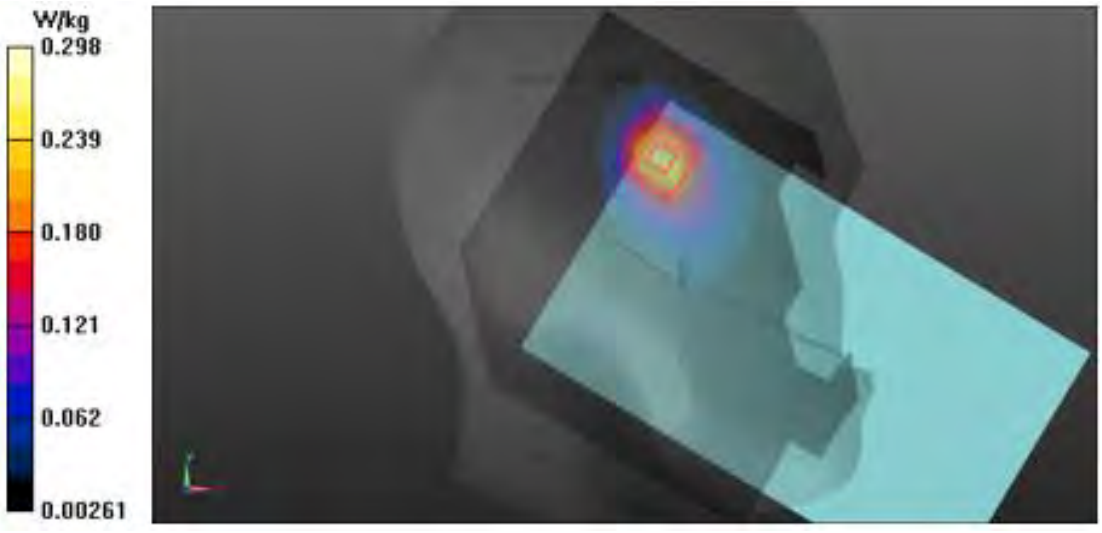
DASY5 Configuration:

- Probe: EX3DV4 - SN7540;ConvF(8.58, 8.58, 8.58) @ 1732.4 MHz; Calibrated: 5/4/2023
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1342; Calibrated: 3/13/2023
- Phantom: Twin-SAM V8.0; Type: QD 000 P41 AA; Serial: 1975
- Measurement SW: DASY52, Version 52.10 (4);

Configuration 2/WCDMA IV _CH1412_Left Cheek/Area Scan (12x19x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.267 W/kg

Configuration 2/WCDMA IV _CH1412_Left Cheek/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 9.769 V/m; Power Drift = -0.19 dB
Peak SAR (extrapolated) = 0.341 W/kg
SAR(1 g) = 0.217 W/kg; SAR(10 g) = 0.128 W/kg

Maximum value of SAR (measured) = 0.298 W/kg



5)

Date: 9/19/2023

Test Laboratory: Eurofins KCTL Co.,Ltd.
File Name: 1. WCDMA V_Head.da53:1

DUT: SM-X306B, Type: Tablet, Serial: R32W80019DT

Communication System: UID 0, W-CDMA 850 (Band 5) (0); Frequency: 836.6 MHz; Duty Cycle: 1:1
Medium parameters used: f = 836.6 MHz; σ = 0.895 S/m; ε_r = 42.83; ρ = 1000 kg/m^3
Phantom section: Left Section

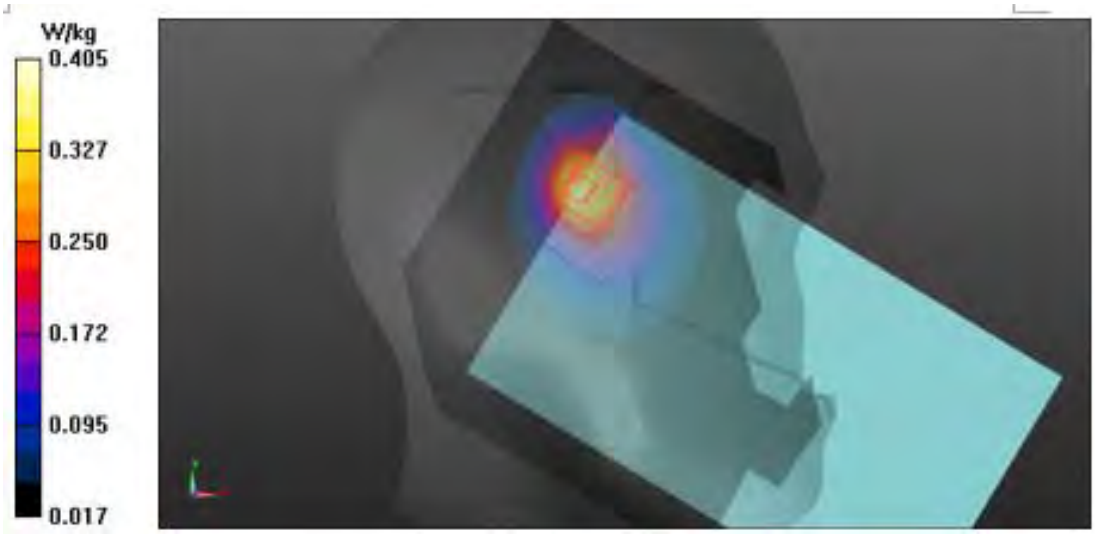
DASY5 Configuration:

- Probe: EX3DV4 - SN7540;ConvF(9.67, 9.67, 9.67) @ 836.6 MHz; Calibrated: 5/4/2023
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1342; Calibrated: 3/13/2023
- Phantom: Twin-SAM V8.0; Type: QD 000 P41 AA; Serial: 1975
- Measurement SW: DASY52, Version 52.10 (4);

Configuration 2/WCDMA V _CH4183_Left Cheek/Area Scan (12x19x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.372 W/kg

Configuration 2/WCDMA V _CH4183_Left Cheek/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 3.274 V/m; Power Drift = 0.07 dB
Peak SAR (extrapolated) = 0.495 W/kg
SAR(1 g) = 0.280 W/kg; SAR(10 g) = 0.178 W/kg

Maximum value of SAR (measured) = 0.405 W/kg



6)

Date: 10/13/2023

Test Laboratory: Eurofins KCTL Co.,Ltd.
File Name: 1. LTE Band 2_QPSK_20 MHz_Head.da53:1

DUT: SM-X306B, Type: Tablet, Serial: R32W80019DT

Communication System: UID 0, LTE Band 2 (0); Frequency: 1860 MHz; Duty Cycle: 1:1
Medium parameters used: f = 1860 MHz; σ = 1.409 S/m; ε_r = 39.111; ρ = 1000 kg/m^3
Phantom section: Left Section

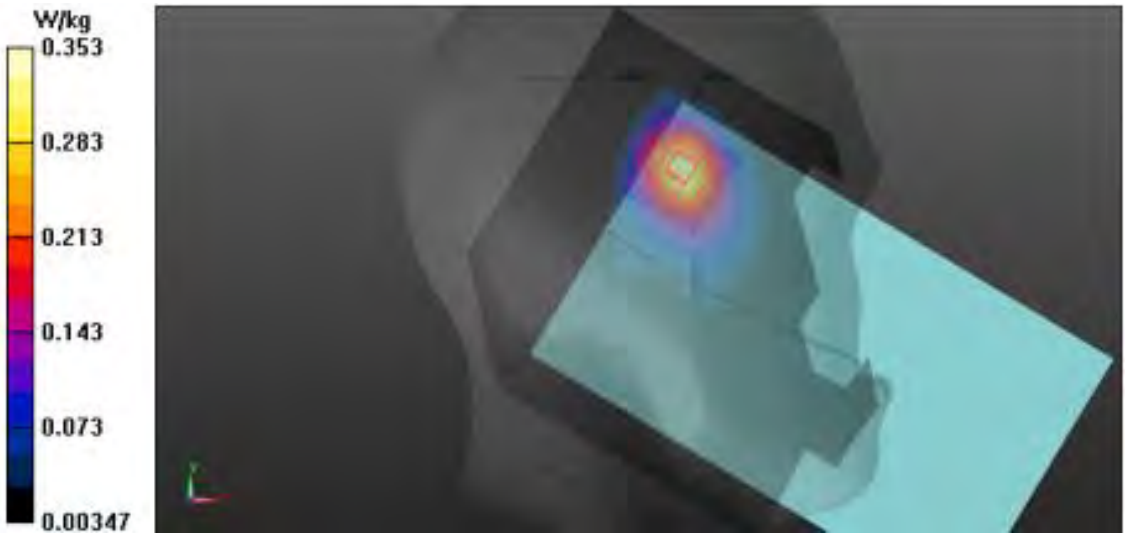
DASY5 Configuration:

- Probe: EX3DV4 - SN7540;ConvF(8.52, 8.52, 8.52) @ 1860 MHz; Calibrated: 5/4/2023
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1342; Calibrated: 3/13/2023
- Phantom: Twin-SAM V8.0; Type: QD 000 P41 AA; Serial: 1975
- Measurement SW: DASY52, Version 52.10 (4);

Configuration 2/LTE Band 2_QPSK_20 MHz_50 RB 24Offset_CH18700_Left Cheek/Area Scan (12x19x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.352 W/kg

Configuration 2/LTE Band 2_QPSK_20 MHz_50 RB 24Offset_CH18700_Left Cheek/Zoom Scan (6x6x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 11.53 V/m; Power Drift = -0.12 dB
Peak SAR (extrapolated) = 0.413 W/kg
SAR(1 g) = 0.255 W/kg; SAR(10 g) = 0.150 W/kg

Maximum value of SAR (measured) = 0.353 W/kg



7)

Date: 10/13/2023

Test Laboratory: Eurofins KCTL Co.,Ltd.
File Name: 1. LTE Band 2(Sub)_QPSK_20 MHz_Head.da53:0

DUT: SM-X306B, Type: Tablet, Serial: R32W80019DT

Communication System: UID 0, LTE Band 2 (0); Frequency: 1860 MHz; Duty Cycle: 1:1
Medium parameters used: f = 1860 MHz; σ = 1.409 S/m; ε_r = 39.111; ρ = 1000 kg/m^3
Phantom section: Right Section

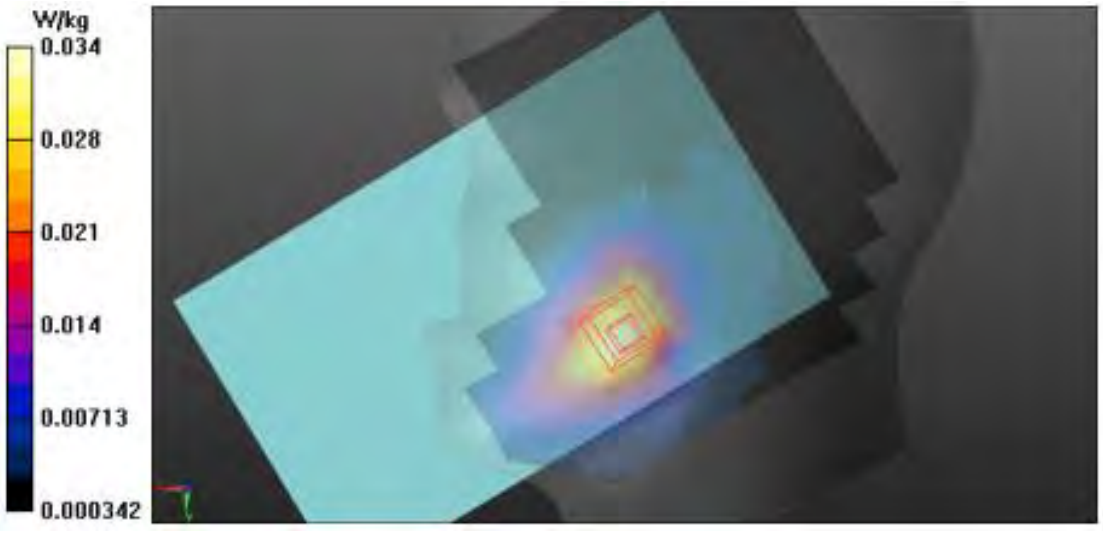
DASY5 Configuration:

- Probe: EX3DV4 - SN7540;ConvF(8.52, 8.52, 8.52) @ 1860 MHz; Calibrated: 5/4/2023
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1342; Calibrated: 3/13/2023
- Phantom: Twin-SAM V8.0; Type: QD 000 P41 AA; Serial: 1975
- Measurement SW: DASY52, Version 52.10 (4);

Configuration/LTE Band 2(Sub)_QPSK_20 MHz_50 RB 0Offset_CH18700_Right Cheek/Area Scan (12x19x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.0358 W/kg

Configuration/LTE Band 2(Sub)_QPSK_20 MHz_50 RB 0Offset_CH18700_Right Cheek/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 4.024 V/m; Power Drift = -0.17 dB
Peak SAR (extrapolated) = 0.0390 W/kg
SAR(1 g) = 0.028 W/kg; SAR(10 g) = 0.018 W/kg

Maximum value of SAR (measured) = 0.0343 W/kg



8)

Date: 9/26/2023

Test Laboratory: Eurofins KCTL Co.,Ltd.
File Name: 3. LTE Band 5_QPSK_10 MHz_Head.da53:1

DUT: SM-X306B, Type: Tablet, Serial: R32W80019DT

Communication System: UID 0, LTE Band 5 (0); Frequency: 836.5 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): f = 836.5 MHz; σ = 0.902 S/m; ε_r = 40.47; ρ = 1000 kg/m^3
Phantom section: Left Section

DASY5 Configuration:

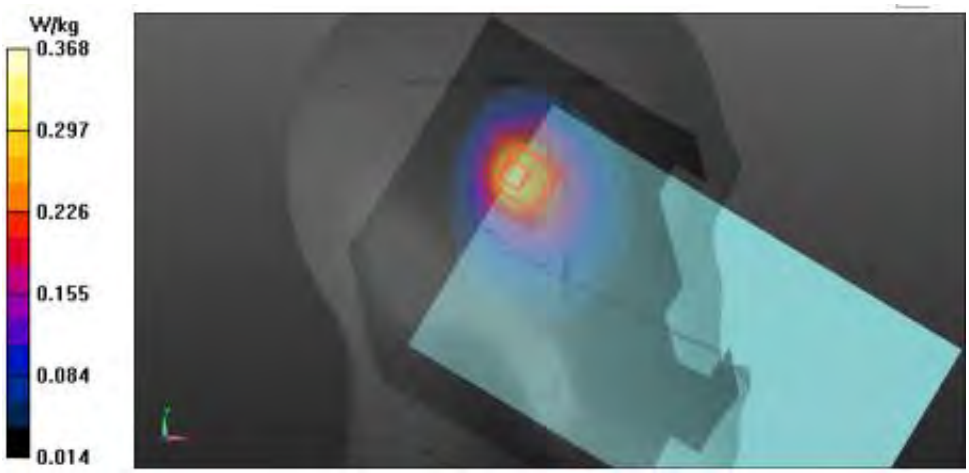
- Probe: EX3DV4 - SN7540;ConvF(9.67, 9.67, 9.67) @ 836.5 MHz; Calibrated: 5/4/2023
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1342; Calibrated: 3/13/2023
- Phantom: Twin-SAM V8.0; Type: QD 000 P41 AA; Serial: 1975
- Measurement SW: DASY52, Version 52.10 (4);

Configuration 2/LTE Band 5_QPSK_10 MHz_1 RB 0Offset_CH18700_Left Cheek/Area Scan (12x19x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.345 W/kg

Configuration 2/LTE Band 5_QPSK_10 MHz_1 RB 0Offset_CH18700_Left Cheek/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 3.427 V/m; Power Drift = 0.03 dB
Peak SAR (extrapolated) = 0.451 W/kg
SAR(1 g) = 0.260 W/kg; SAR(10 g) = 0.162 W/kg

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.368 W/kg



9)

Date: 9/22/2023

Test Laboratory: Eurofins KCTL Co.,Ltd.
File Name: 1. LTE Band 12_QPSK_10 MHz_Head.da53:1

DUT: SM-X306B, Type: Tablet, Serial: R32W80019DT

Communication System: UID 0, LTE Band 12 (0); Frequency: 707.5 MHz; Duty Cycle: 1:1
Medium parameters used: f = 707.5 MHz; σ = 0.884 S/m; ε_r = 42.27; ρ = 1000 kg/m^3
Phantom section: Left Section

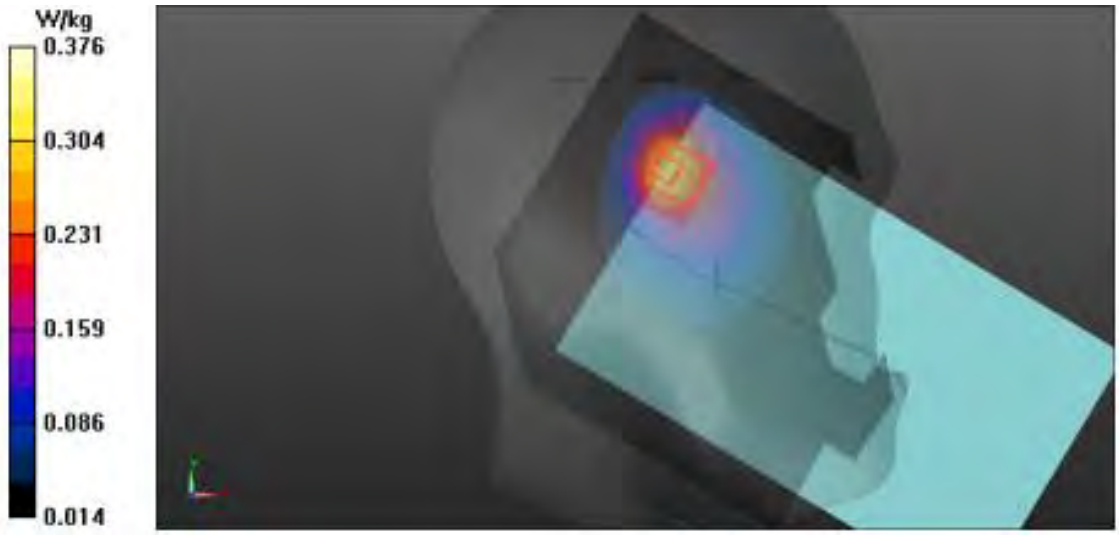
DASY5 Configuration:

- Probe: EX3DV4 - SN7540;ConvF(10.2, 10.2, 10.2) @ 707.5 MHz; Calibrated: 5/4/2023
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1342; Calibrated: 3/13/2023
- Phantom: Twin-SAM V8.0; Type: QD 000 P41 AA; Serial: 1975
- Measurement SW: DASY52, Version 52.10 (4);

Configuration 2/LTE Band 12_QPSK_10 MHz_25 RB_0Offset_CH23095_Left Cheek/Area Scan (12x19x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.315 W/kg

Configuration 2/LTE Band 12_QPSK_10 MHz_25 RB_0Offset_CH23095_Left Cheek/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 3.884 V/m; Power Drift = 0.05 dB
Peak SAR (extrapolated) = 0.464 W/kg
SAR(1 g) = 0.251 W/kg; SAR(10 g) = 0.158 W/kg

Maximum value of SAR (measured) = 0.376 W/kg



10)

Date: 9/22/2023

Test Laboratory: Eurofins KCTL Co.,Ltd.
File Name: 1. LTE Band 13_QPSK_10 MHz_Head.da53:1

DUT: SM-X306B, Type: Tablet, Serial: R32W80019DT

Communication System: UID 0, LTE Band 13 (0); Frequency: 782 MHz; Duty Cycle: 1:1
Medium parameters used: f = 782 MHz; σ = 0.914 S/m; ε_r = 42.027; ρ = 1000 kg/m^3
Phantom section: Left Section

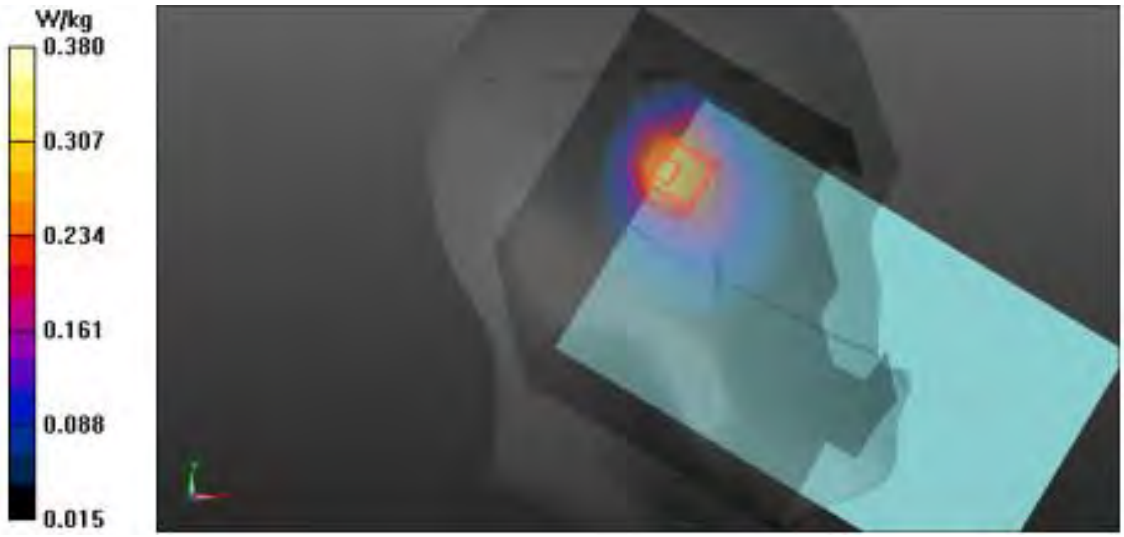
DASY5 Configuration:

- Probe: EX3DV4 - SN7540;ConvF(10.2, 10.2, 10.2) @ 782 MHz; Calibrated: 5/4/2023
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1342; Calibrated: 3/13/2023
- Phantom: Twin-SAM V8.0; Type: QD 000 P41 AA; Serial: 1975
- Measurement SW: DASY52, Version 52.10 (4);

Configuration 2/LTE Band 13_QPSK_10 MHz_25 RB_0Offset_CH23230_Left Cheek/Area Scan (12x19x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.325 W/kg

Configuration 2/LTE Band 13_QPSK_10 MHz_25 RB_0Offset_CH23230_Left Cheek/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 3.905 V/m; Power Drift = 0.02 dB
Peak SAR (extrapolated) = 0.456 W/kg
SAR(1 g) = 0.255 W/kg; SAR(10 g) = 0.167 W/kg

Maximum value of SAR (measured) = 0.380 W/kg



11)

Date: 9/19/2023

Test Laboratory: Eurofins KCTL Co.,Ltd.
File Name: 1. LTE Band 26_QPSK_15 MHz_Head.da53:1

DUT: SM-X306B, Type: Tablet, Serial: R32W80019DT

Communication System: UID 0, LTE Band 26 (0); Frequency: 831.5 MHz; Duty Cycle: 1:1
Medium parameters used: f = 831.5 MHz; σ = 0.893 S/m; ε_r = 42.867; ρ = 1000 kg/m^3
Phantom section: Left Section

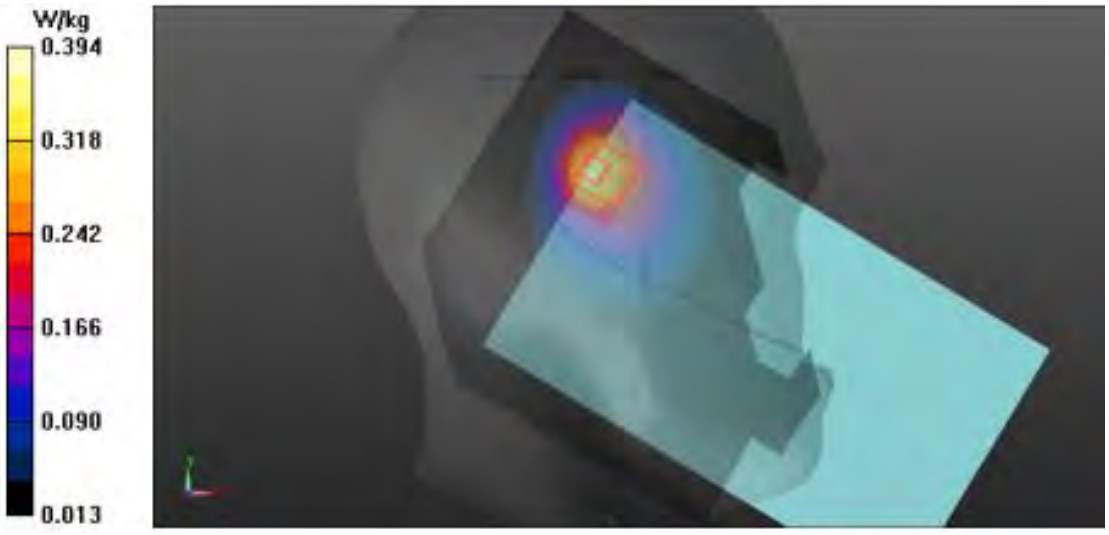
DASY5 Configuration:

- Probe: EX3DV4 - SN7540;ConvF(9.67, 9.67, 9.67) @ 831.5 MHz; Calibrated: 5/4/2023
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1342; Calibrated: 3/13/2023
- Phantom: Twin-SAM V8.0; Type: QD 000 P41 AA; Serial: 1975
- Measurement SW: DASY52, Version 52.10 (4);

Configuration 2/LTE Band 26_QPSK_15 MHz_36 RB_0Offset_CH26865_Left Cheek/Area Scan (12x19x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.380 W/kg

Configuration 2/LTE Band 26_QPSK_15 MHz_36 RB_0Offset_CH26865_Left Cheek/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 3.275 V/m; Power Drift = 0.13 dB
Peak SAR (extrapolated) = 0.506 W/kg
SAR(1 g) = 0.275 W/kg; SAR(10 g) = 0.171 W/kg

Maximum value of SAR (measured) = 0.394 W/kg



12)

Date: 2023-10-19

Test Laboratory: Eurofins KCTL Co.,Ltd.
File Name: 1. LTE Band 41_QPSK_20 MHz_Head.da53:1

DUT: SM-X306B, Type: Tablet, Serial: R32W800125W

Communication System: UID 0, LTE Band 41 (0); Frequency: 2636.5 MHz; Duty Cycle: 1:1.58016
Medium parameters used (interpolated): f = 2636.5 MHz; σ = 1.967 S/m; ε_r = 38.4; ρ = 1000 kg/m^3
Phantom section: Left Section

DASY5 Configuration:

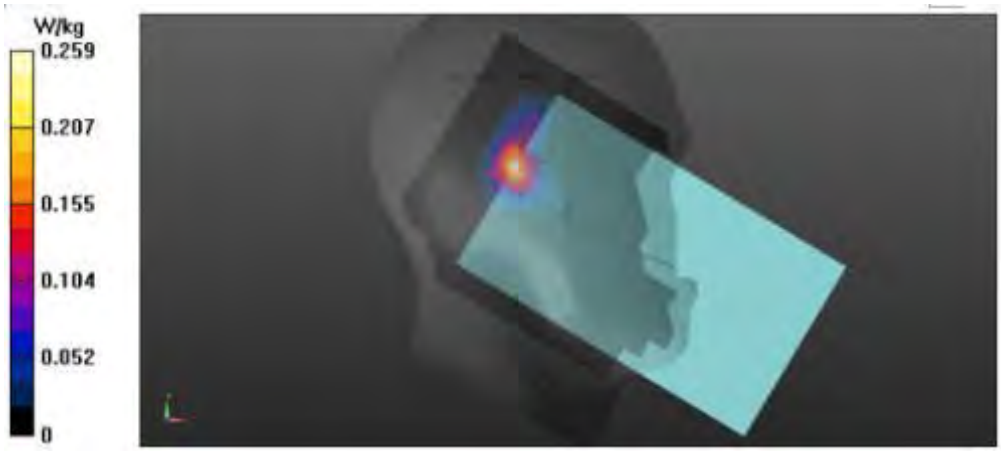
- Probe: EX3DV4 - SN3865;ConvF(7.22, 7.64, 7.61) @ 2636.5 MHz; Calibrated: 2023-01-22
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1586; Calibrated: 2023-04-26
- Phantom: Twin-SAM V5.0; Type: QD 000 P40 CD; Serial: 1724
- Measurement SW: DASY52, Version 52.10 (4);

Configuration 2/LTE Band 41_QPSK_20 MHz_1 RB 0Offset_CH41055_Left Cheek/Area Scan (14x21x1): Measurement grid: dx=12mm, dy=12mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.259 W/kg

Configuration 2/LTE Band 41_QPSK_20 MHz_1 RB 0Offset_CH41055_Left Cheek/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 8.837 V/m; Power Drift = 0.08 dB
Peak SAR (extrapolated) = 0.378 W/kg
SAR(1 g) = 0.159 W/kg; SAR(10 g) = 0.066 W/kg

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.280 W/kg



13)

Date: 10/31/2023

Test Laboratory: Eurofins KCTL Co.,Ltd.
File Name: 1. LTE Band 66_QPSK_20 MHz_Head.da53:1

DUT: SM-X306B, Type: Tablet, Serial: R32W80019DT

Communication System: UID 0, LTE Band 66 (0); Frequency: 1745 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): f = 1745 MHz; σ = 1.383 S/m; ε_r = 39.015; ρ = 1000 kg/m^3
Phantom section: Left Section

DASY5 Configuration:

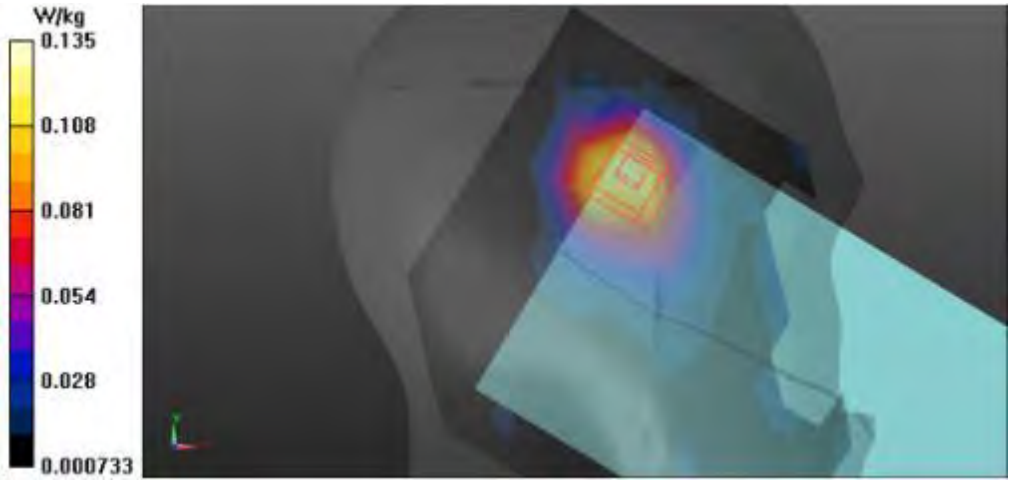
- Probe: EX3DV4 - SN3697;ConvF(7.97, 7.97, 7.97) @ 1745 MHz; Calibrated: 4/13/2023
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1756; Calibrated: 9/20/2023
- Phantom: Twin-SAM V8.0; Type: QD 000 P41 AA; Serial: 1975
- Measurement SW: DASY52, Version 52.10 (4);

Configuration 2/LTE Band 66_QPSK_20 MHz_50 RB_0Offset_CH132572_Left Cheek/Area Scan (12x19x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.125 W/kg

Configuration 2/LTE Band 66_QPSK_20 MHz_50 RB_0Offset_CH132572_Left Cheek/Zoom Scan (6x6x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 10.14 V/m; Power Drift = -0.05 dB
Peak SAR (extrapolated) = 0.173 W/kg
SAR(1 g) = 0.091 W/kg; SAR(10 g) = 0.053 W/kg

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.135 W/kg



14)

Date: 9/26/2023

Test Laboratory: Eurofins KCTL Co.,Ltd.
File Name: 1. 5G NR n5_Head.da53:1

DUT: SM-X306B, Type: Tablet, Serial: R32W80019DT

Communication System: UID 0, 5G sub6 n5 (0); Frequency: 836.5 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): f = 836.5 MHz; σ = 0.902 S/m; ε_r = 40.47; ρ = 1000 kg/m^3
Phantom section: Left Section

DASY5 Configuration:

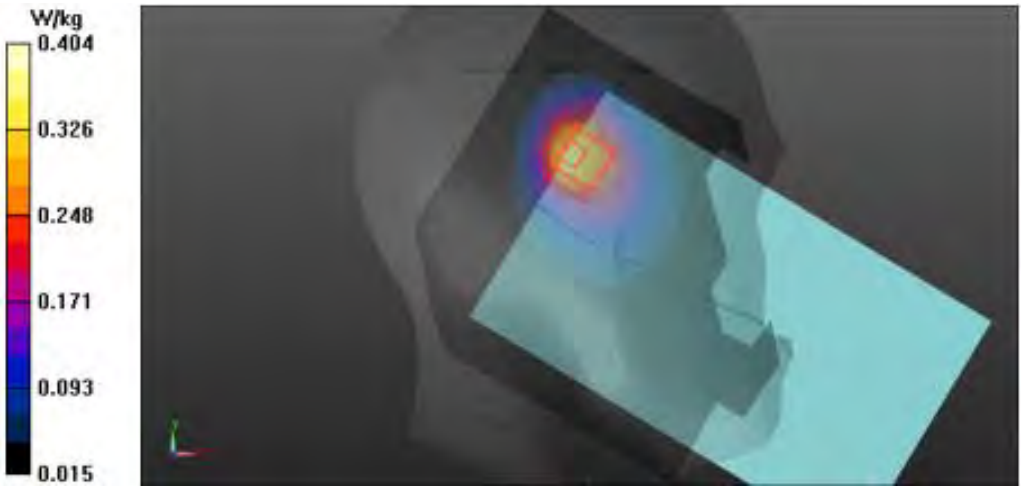
- Probe: EX3DV4 - SN7540;ConvF(9.67, 9.67, 9.67) @ 836.5 MHz; Calibrated: 5/4/2023
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1342; Calibrated: 3/13/2023
- Phantom: Twin-SAM V8.0; Type: QD 000 P41 AA; Serial: 1975
- Measurement SW: DASY52, Version 52.10 (4);

Configuration 2/5G NR n5 CP-OFDM_QPSK_SCS 15kHz_20MHz 1RB 1offset_CH167300_Left Cheek/Area Scan (12x19x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.370 W/kg

Configuration 2/5G NR n5 CP-OFDM_QPSK_SCS 15kHz_20MHz 1RB 1offset_CH167300_Left Cheek/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 3.285 V/m; Power Drift = 0.07 dB
Peak SAR (extrapolated) = 0.492 W/kg
SAR(1 g) = 0.279 W/kg; SAR(10 g) = 0.177 W/kg

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.404 W/kg



15)

Date: 9/27/2023

Test Laboratory: Eurofins KCTL Co.,Ltd.
File Name: 1. 5G NR n66_Head.da53:1

DUT: SM-X306B, Type: Tablet, Serial: R32W80019DT

Communication System: UID 0, 5G sub6 n66 (0); Frequency: 1745 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): f = 1745 MHz; σ = 1.353 S/m; ε_r = 38.989; ρ = 1000 kg/m^3
Phantom section: Left Section

DASY5 Configuration:

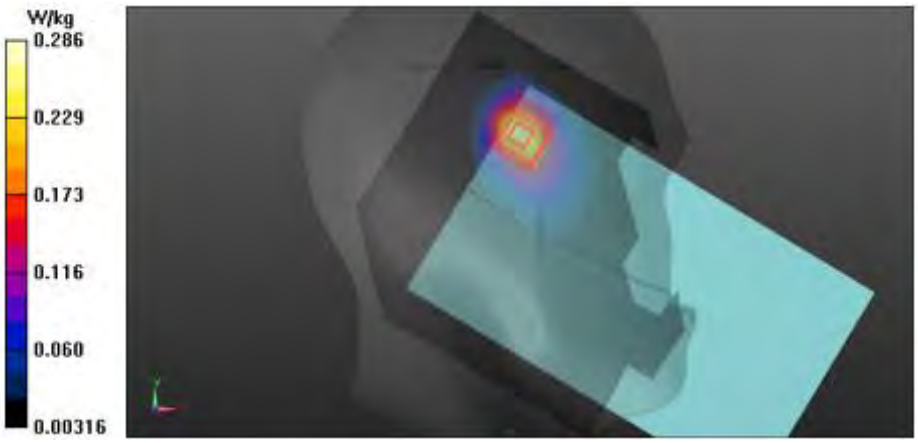
- Probe: EX3DV4 - SN7540;ConvF(8.58, 8.58, 8.58) @ 1745 MHz; Calibrated: 5/4/2023
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1342; Calibrated: 3/13/2023
- Phantom: Twin-SAM V8.0; Type: QD 000 P41 AA; Serial: 1975
- Measurement SW: DASY52, Version 52.10 (4);

Configuration 2/5G NR n66 DFT-S-OFDM_QPSK_SCS 15kHz_20MHz 50RB 0offset_CH349000_Left Cheek/Area Scan (12x19x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.258 W/kg

Configuration 2/5G NR n66 DFT-S-OFDM_QPSK_SCS 15kHz_20MHz 50RB 0offset_CH349000_Left Cheek/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 2.332 V/m; Power Drift = 0.19 dB
Peak SAR (extrapolated) = 0.322 W/kg
SAR(1 g) = 0.210 W/kg; SAR(10 g) = 0.123 W/kg

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.286 W/kg



16)

Date: 10/22/2023

Test Laboratory: Eurofins KCTL Co.,Ltd.
File Name: 1. WLAN2.4GHz_Ant1_Head.da53:0

DUT: SM-X306B, Type: Tablet, Serial: R32W80015QK

Communication System: UID 0, 2.4GWLAN (0); Frequency: 2412 MHz; Duty Cycle: 1:1
Medium parameters used: f = 2412 MHz; σ = 1.781 S/m; ε_r = 38.585; ρ = 1000 kg/m^3
Phantom section: Right Section

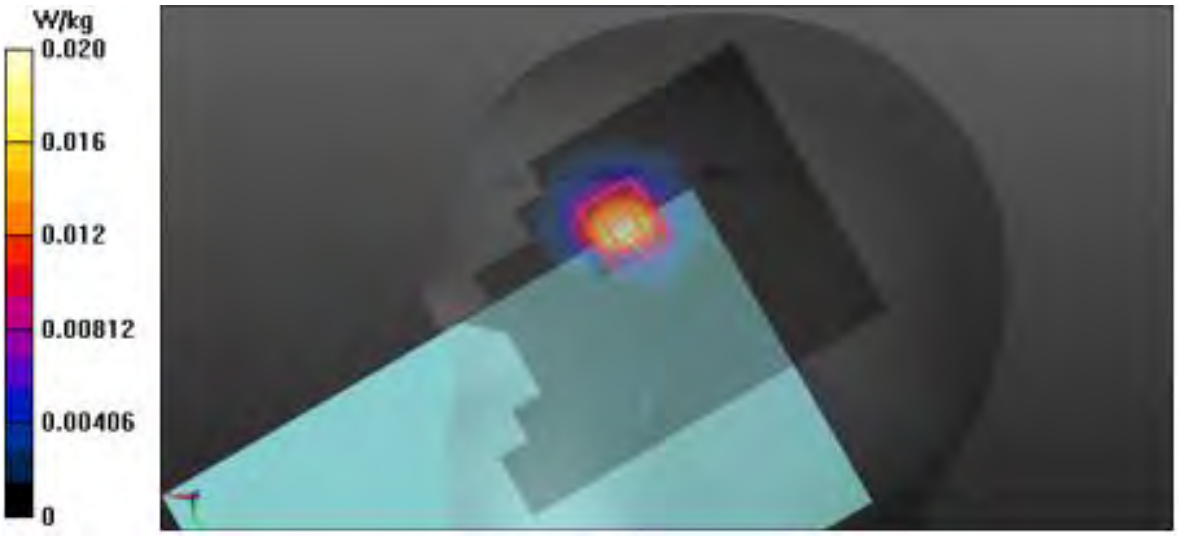
DASY5 Configuration:

- Probe: EX3DV4 - SN7840;ConvF(6.8, 6.79, 6.85) @ 2412 MHz; Calibrated: 8/25/2023
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1758; Calibrated: 8/24/2023
- Phantom: Twin-SAM V4.0; Type: QD 000 P40 CC; Serial: 1728
- Measurement SW: DASY52, Version 52.10 (4);

Configuration/WLAN2.4GHz_802.11b_Ch1_Right Cheek_0 mm/Area Scan (10x19x1): Measurement grid: dx=12mm, dy=12mm
Maximum value of SAR (measured) = 0.0203 W/kg

Configuration/WLAN2.4GHz_802.11b_Ch1_Right Cheek_0 mm/Zoom Scan (7x7x7)/Cube 0:
Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 3.729 V/m; Power Drift = -0.10 dB
Peak SAR (extrapolated) = 0.0320 W/kg
SAR(1 g) = 0.013 W/kg; SAR(10 g) = 0.00536 W/kg

Maximum value of SAR (measured) = 0.0211 W/kg



17)

Date: 10/22/2023

Test Laboratory: Eurofins KCTL Co.,Ltd.
File Name: 2. WLAN2.4GHz_MIMO_Head.da53:0

DUT: SM-X306B, Type: Tablet, Serial: R32W80015QK

Communication System: UID 0, 2.4GWLAN (0); Frequency: 2462 MHz; Duty Cycle: 1:1
Medium parameters used: f = 2462 MHz; σ = 1.812 S/m; ε_r = 38.458; ρ = 1000 kg/m^3
Phantom section: Right Section

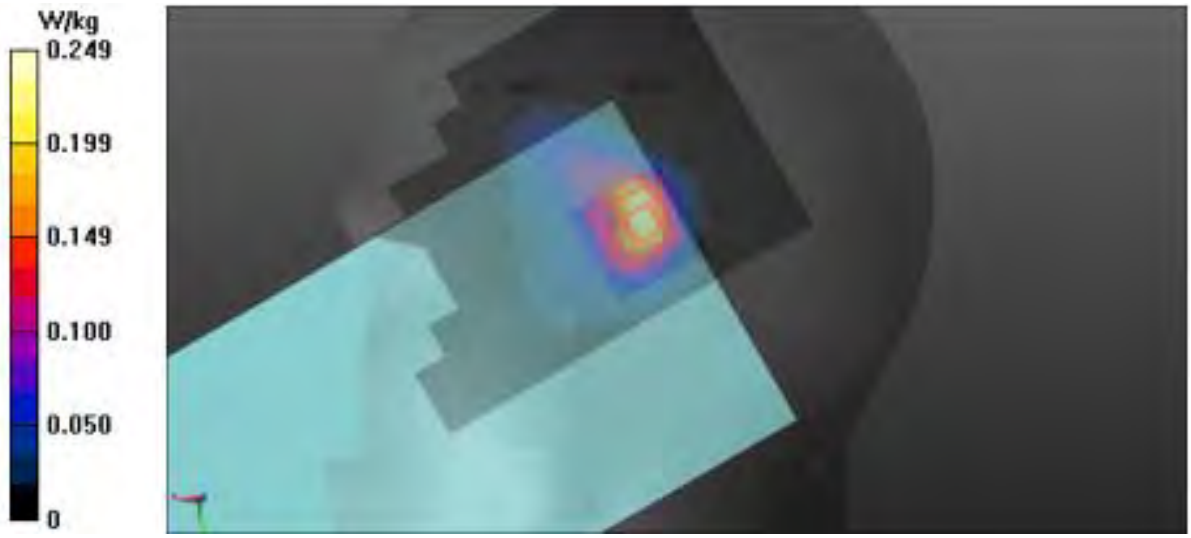
DASY5 Configuration:

- Probe: EX3DV4 - SN7840;ConvF(6.8, 6.79, 6.85) @ 2462 MHz; Calibrated: 8/25/2023
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1758; Calibrated: 8/24/2023
- Phantom: Twin-SAM V4.0; Type: QD 000 P40 CC; Serial: 1728
- Measurement SW: DASY52, Version 52.10 (4);

MIMO_Right/WLAN2.4GHz_802.11b_Ch11_Right Cheek_0 mm/Area Scan (10x19x1): Measurement grid: dx=12mm, dy=12mm
Maximum value of SAR (measured) = 0.249 W/kg

MIMO_Right/WLAN2.4GHz_802.11b_Ch11_Right Cheek_0 mm/Zoom Scan (8x8x7)/Cube 0:
Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 11.13 V/m; Power Drift = 0.05 dB
Peak SAR (extrapolated) = 0.349 W/kg
SAR(1 g) = 0.151 W/kg; SAR(10 g) = 0.068 W/kg

Maximum value of SAR (measured) = 0.258 W/kg



18)

Date: 10/18/2023

Test Laboratory: Eurofins KCTL Co.,Ltd.
File Name: 1. WLAN 5.3 GHz_Head.da53:0

DUT: SM-X306B, Type: Tablet, Serial: R32W80014LF

Communication System: UID 0, 5GWLAN (0); Frequency: 5320 MHz; Duty Cycle: 1:1
Medium parameters used: f = 5320 MHz; σ = 4.834 S/m; ε_r = 35.603; ρ = 1000 kg/m^3
Phantom section: Right Section

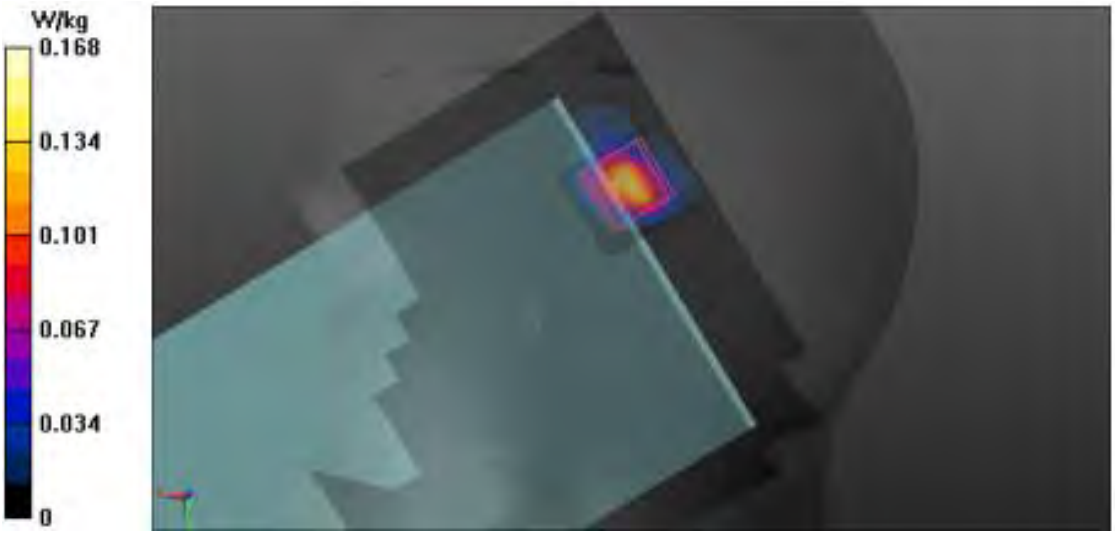
DASY5 Configuration:

- Probe: EX3DV4 - SN7540;ConvF(5.24, 5.24, 5.24) @ 5320 MHz; Calibrated: 5/4/2023
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1342; Calibrated: 3/13/2023
- Phantom: Twin-SAM V8.0; Type: QD 000 P41 AA; Serial: 1975
- Measurement SW: DASY52, Version 52.10 (4);

Configuration/802.11 a_Ant2_CH64_RightTilt/Area Scan (17x28x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 0.133 W/kg

Configuration/802.11 a_Ant2_CH64_RightTilt/Zoom Scan (9x9x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 9.423 V/m; Power Drift = -0.07 dB
Peak SAR (extrapolated) = 0.276 W/kg
SAR(1 g) = 0.068 W/kg; SAR(10 g) = 0.018 W/kg

Maximum value of SAR (measured) = 0.168 W/kg



19)

Date: 10/18/2023

Test Laboratory: Eurofins KCTL Co.,Ltd.
File Name: 1. WLAN 5.3 GHz_Head.da53:0

DUT: SM-X306B, Type: Tablet, Serial: R32W80014LF

Communication System: UID 0, 5GWLAN (0); Frequency: 5320 MHz; Duty Cycle: 1:1
Medium parameters used: f = 5320 MHz; σ = 4.834 S/m; ε_r = 35.603; ρ = 1000 kg/m^3
Phantom section: Right Section

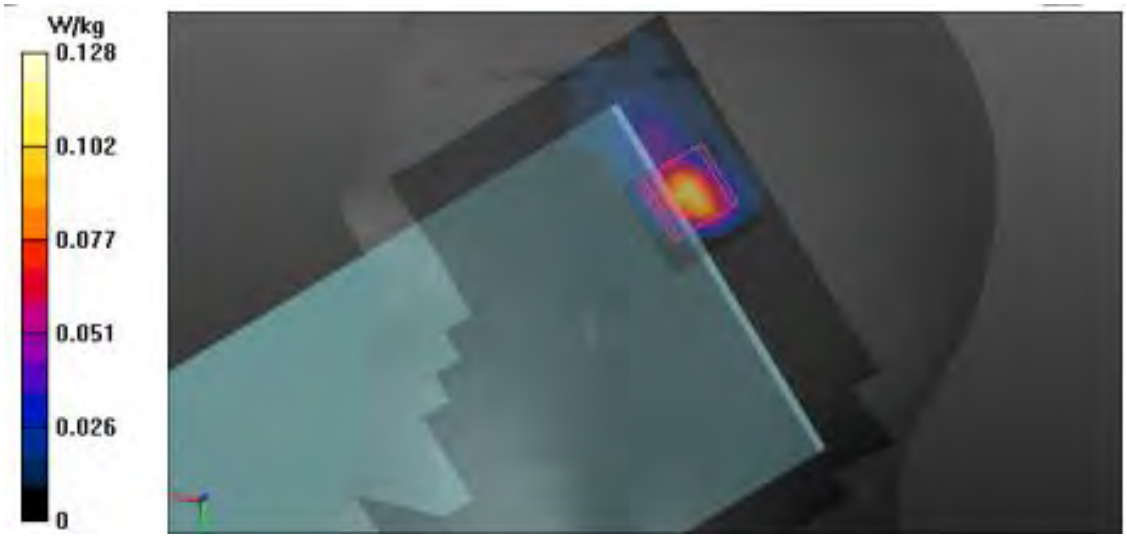
DASY5 Configuration:

- Probe: EX3DV4 - SN7540;ConvF(5.24, 5.24, 5.24) @ 5320 MHz; Calibrated: 5/4/2023
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1342; Calibrated: 3/13/2023
- Phantom: Twin-SAM V8.0; Type: QD 000 P41 AA; Serial: 1975
- Measurement SW: DASY52, Version 52.10 (4);

Configuration/802.11 a_MIMO_CH64_RightTilt/Area Scan (17x28x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 0.107 W/kg

Configuration/802.11 a_MIMO_CH64_RightTilt/Zoom Scan (9x9x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 5.518 V/m; Power Drift = -0.19 dB
Peak SAR (extrapolated) = 0.205 W/kg
SAR(1 g) = 0.045 W/kg; SAR(10 g) = 0.011 W/kg

Maximum value of SAR (measured) = 0.128 W/kg



20)

Date: 10/18/2023

Test Laboratory: Eurofins KCTL Co.,Ltd.
File Name: 2. WLAN 5.6 GHz_Head.da53:0

DUT: SM-X306B, Type: Tablet, Serial: R32W80014LF

Communication System: UID 0, 5GWLAN (0); Frequency: 5500 MHz; Duty Cycle: 1:1
Medium parameters used: f = 5500 MHz; σ = 5.029 S/m; ε_r = 35.257; ρ = 1000 kg/m^3
Phantom section: Right Section

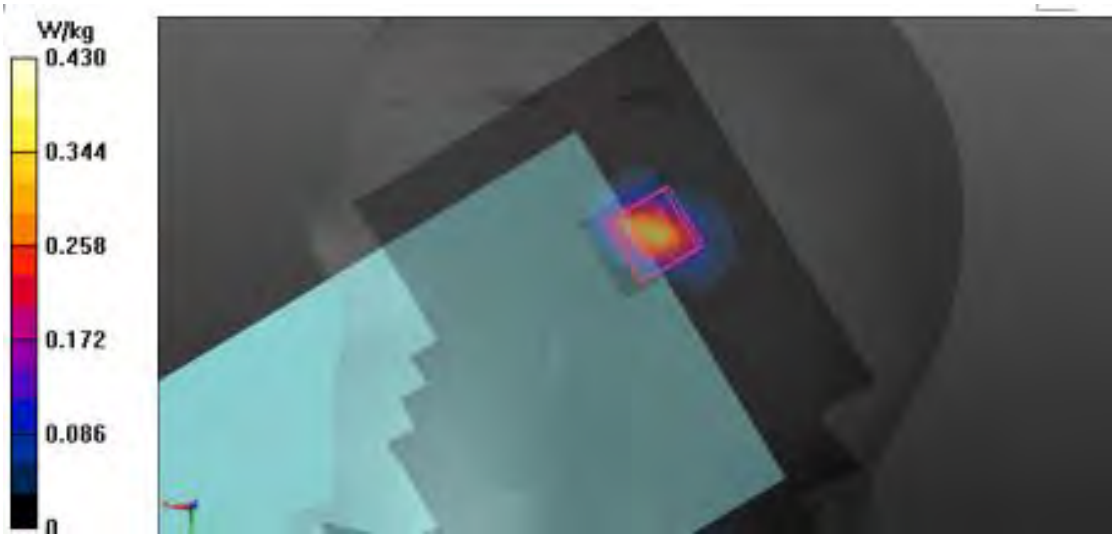
DASY5 Configuration:

- Probe: EX3DV4 - SN7540;ConvF(4.55, 4.55, 4.55) @ 5500 MHz; Calibrated: 5/4/2023
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1342; Calibrated: 3/13/2023
- Phantom: Twin-SAM V8.0; Type: QD 000 P41 AA; Serial: 1975
- Measurement SW: DASY52, Version 52.10 (4);

Configuration/802.11 a_Ant2_CH100_Right Check 2/Area Scan (17x28x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 0.319 W/kg

Configuration/802.11 a_Ant2_CH100_Right Check 2/Zoom Scan (8x9x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 8.808 V/m; Power Drift = 0.14 dB
Peak SAR (extrapolated) = 0.742 W/kg
SAR(1 g) = 0.180 W/kg; SAR(10 g) = 0.051 W/kg

Maximum value of SAR (measured) = 0.430 W/kg



21)

Date: 10/18/2023

Test Laboratory: Eurofins KCTL Co.,Ltd.
File Name: 2. WLAN 5.6 GHz_Head.da53:0

DUT: SM-X306B, Type: Tablet, Serial: R32W80014LF

Communication System: UID 0, 5GWLAN (0); Frequency: 5720 MHz; Duty Cycle: 1:1
Medium parameters used: f = 5720 MHz; σ = 5.287 S/m; ε_r = 34.83; ρ = 1000 kg/m^3
Phantom section: Right Section

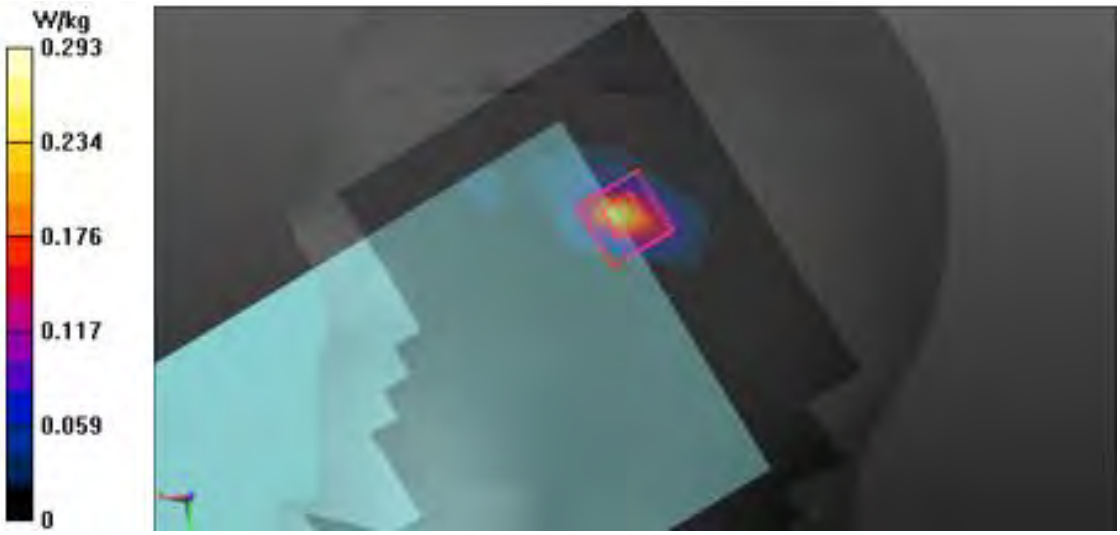
DASY5 Configuration:

- Probe: EX3DV4 - SN7540;ConvF(4.7, 4.7, 4.7) @ 5720 MHz; Calibrated: 5/4/2023
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1342; Calibrated: 3/13/2023
- Phantom: Twin-SAM V8.0; Type: QD 000 P41 AA; Serial: 1975
- Measurement SW: DASY52, Version 52.10 (4);

Configuration/802.11 a_MIMO_CH144_Right Check/Area Scan (17x28x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 0.282 W/kg

Configuration/802.11 a_MIMO_CH144_Right Check/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 8.699 V/m; Power Drift = 0.15 dB
Peak SAR (extrapolated) = 0.467 W/kg
SAR(1 g) = 0.106 W/kg; SAR(10 g) = 0.029 W/kg

Maximum value of SAR (measured) = 0.293 W/kg



22)

Date: 10/18/2023

Test Laboratory: Eurofins KCTL Co.,Ltd.
File Name: 3. WLAN 5.8 GHz_Head.da53:0

DUT: SM-X306B, Type: Tablet, Serial: R32W80014LF

Communication System: UID 0, 5GWLAN (0); Frequency: 5785 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): f = 5785 MHz; σ = 5.351 S/m; ε_r = 34.694; ρ = 1000 kg/m^3
Phantom section: Right Section

DASY5 Configuration:

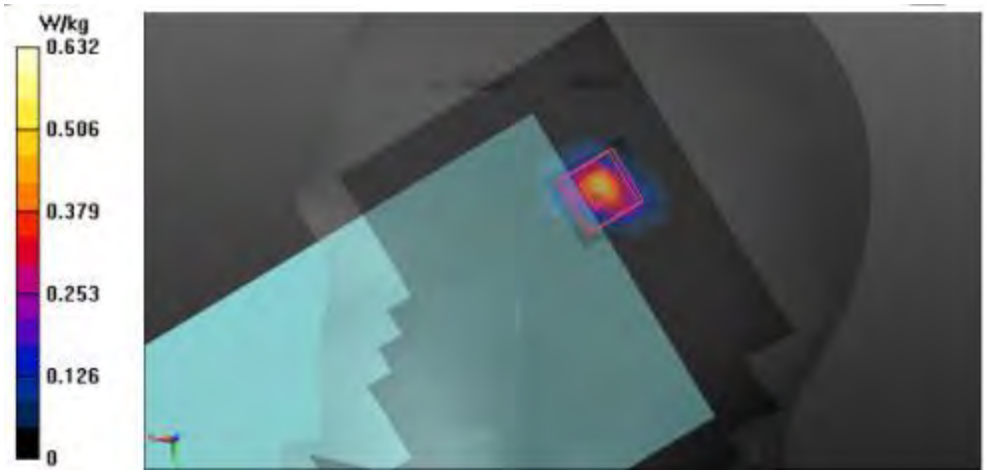
- Probe: EX3DV4 - SN7540;ConvF(4.7, 4.7, 4.7) @ 5785 MHz; Calibrated: 5/4/2023
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1342; Calibrated: 3/13/2023
- Phantom: Twin-SAM V8.0; Type: QD 000 P41 AA; Serial: 1975
- Measurement SW: DASY52, Version 52.10 (4);

Configuration/802.11 a_Ant2_CH157_Right Check/Area Scan (17x28x1): Measurement grid: dx=10mm, dy=10mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.535 W/kg

Configuration/802.11 a_Ant2_CH157_Right Check/Zoom Scan (8x9x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 6.700 V/m; Power Drift = -0.06 dB
Peak SAR (extrapolated) = 1.01 W/kg
SAR(1 g) = 0.237 W/kg; SAR(10 g) = 0.065 W/kg

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.632 W/kg



23)

Date: 10/18/2023

Test Laboratory: Eurofins KCTL Co.,Ltd.
File Name: 3. WLAN 5.8 GHz_Head.da53:0

DUT: SM-X306B, Type: Tablet, Serial: R32W80014LF

Communication System: UID 0, 5GWLAN (0); Frequency: 5745 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): f = 5745 MHz; σ = 5.315 S/m; ε_r = 34.801; ρ = 1000 kg/m^3
Phantom section: Right Section

DASY5 Configuration:

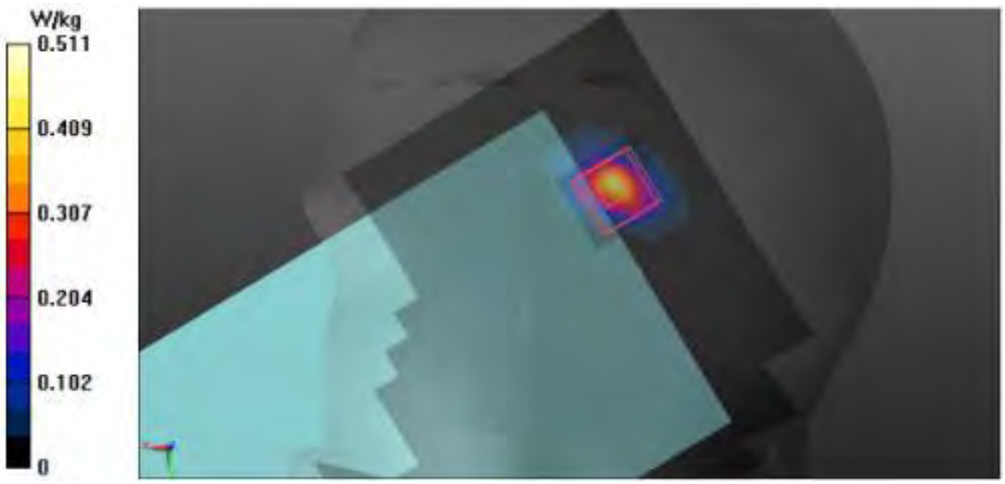
- Probe: EX3DV4 - SN7540;ConvF(4.7, 4.7, 4.7) @ 5745 MHz; Calibrated: 5/4/2023
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1342; Calibrated: 3/13/2023
- Phantom: Twin-SAM V8.0; Type: QD 000 P41 AA; Serial: 1975
- Measurement SW: DASY52, Version 52.10 (4);

Configuration/802.11 a_MIMO_CH149_Right Check/Area Scan (17x28x1): Measurement grid: dx=10mm, dy=10mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.479 W/kg

Configuration/802.11 a_MIMO_CH149_Right Check/Zoom Scan (8x9x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 9.790 V/m; Power Drift = -0.12 dB
Peak SAR (extrapolated) = 0.849 W/kg
SAR(1 g) = 0.183 W/kg; SAR(10 g) = 0.049 W/kg

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.511 W/kg



24)

Date: 2023-10-12

Test Laboratory: Eurofins KCTL Co.,Ltd.
File Name: 1. Bluetooth_LE_Head.da53:0

DUT: SM-X306B, Type: Tablet, Serial: R32W80015QK

Communication System: UID 0, Bluetooth LE (0); Frequency: 2402 MHz; Duty Cycle: 1:1.02683
Medium parameters used (interpolated): f = 2402 MHz; σ = 1.766 S/m; ε_r = 41.023; ρ = 1000 kg/m^3
Phantom section: Right Section

DASY5 Configuration:

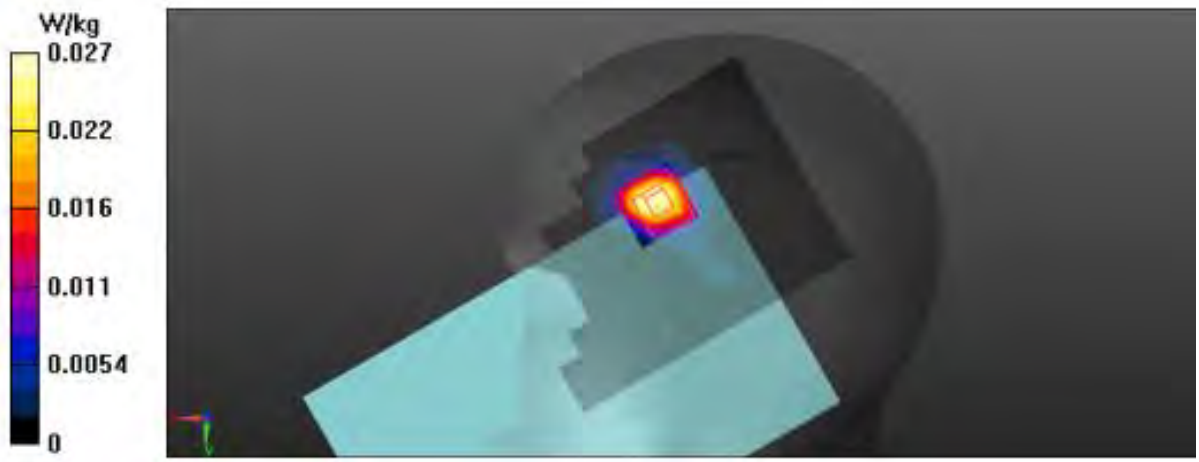
- Probe: EX3DV4 - SN7840;ConvF(6.8, 6.79, 6.85) @ 2402 MHz; Calibrated: 2023-08-25
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1758; Calibrated: 2023-08-24
- Phantom: Twin-SAM V4.0; Type: QD 000 P40 CC; Serial: 1728
- Measurement SW: DASY52, Version 52.10 (4);

Configuration/Bluetooth_125 Coded 255_LE_Ch0_Right Cheek_0 mm/Area Scan (10x19x1):
Measurement grid: dx=12mm, dy=12mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.0270 W/kg

Configuration/Bluetooth_125 Coded 255_LE_Ch0_Right Cheek_0 mm/Zoom Scan (7x7x7)/Cube 0:
Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 4.379 V/m; Power Drift = -0.13 dB
Peak SAR (extrapolated) = 0.0440 W/kg
SAR(1 g) = 0.021 W/kg; SAR(10 g) = 0.00924 W/kg

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.0343 W/kg



25)

Date: 2023-09-27

Test Laboratory: Eurofins KCTL Co.,Ltd.
File Name: 1. GSM 850_Body.da53:1

DUT: SM-X306B, Type: Tablet, Serial: R32W800125W

Communication System: UID 0, GSM850_4TX (0); Frequency: 836.6 MHz; Duty Cycle: 1:2.07491
Medium parameters used: f = 836.6 MHz; σ = 0.899 S/m; ε_r = 40.678; ρ = 1000 kg/m^3
Phantom section: Flat Section

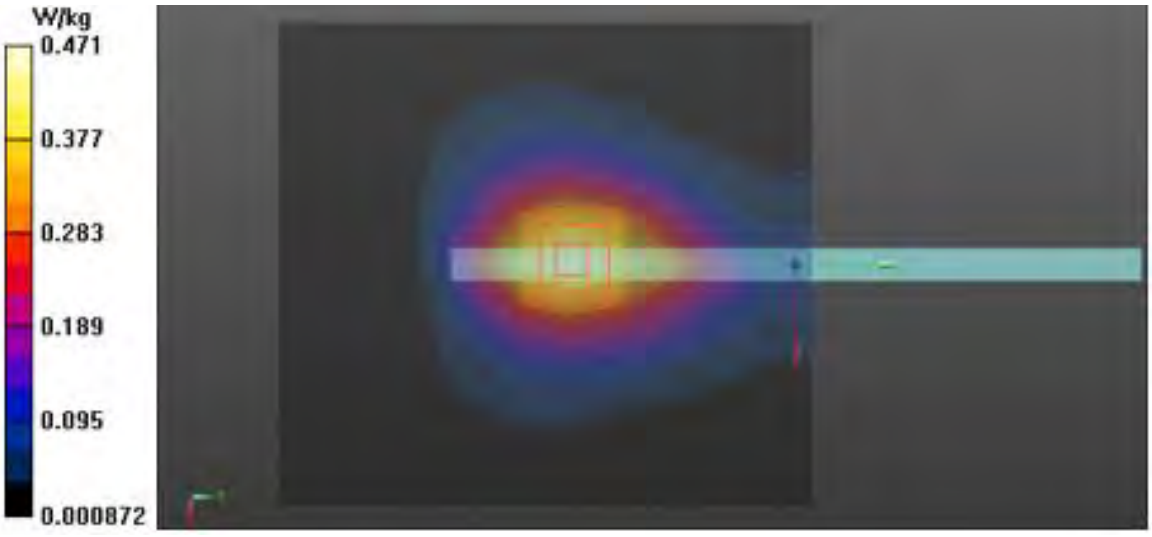
DASY5 Configuration:

- Probe: EX3DV4 - SN3865;ConvF(9.24, 9.5, 9.66) @ 836.6 MHz; Calibrated: 2023-01-22
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1586; Calibrated: 2023-04-26
- Phantom: ELI V5.0; Type: QD OVA 001 BB; Serial: 1220
- Measurement SW: DASY52, Version 52.10 (4);

Configuration 2/GSM850_GPRS 4TX_CH190_Right 7 mm Grip Sensor off/Area Scan (11x12x1):
Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.471 W/kg

Configuration 2/GSM850_GPRS 4TX_CH190_Right 7 mm Grip Sensor off/Zoom Scan (5x5x7)/Cube 0:
Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 3.544 V/m; Power Drift = 0.09 dB
Peak SAR (extrapolated) = 0.516 W/kg
SAR(1 g) = 0.358 W/kg; SAR(10 g) = 0.244 W/kg

Maximum value of SAR (measured) = 0.462 W/kg



26)

Date: 2023-10-04

Test Laboratory: Eurofins KCTL Co.,Ltd.
File Name: 1. GSM 1900_Body.da53:0

DUT: SM-X306B, Type: Tablet, Serial: R32W800125W

Communication System: UID 0, GSM 1900_4Tx (0); Frequency: 1880 MHz; Duty Cycle: 1:2.07491
Medium parameters used: f = 1880 MHz; σ = 1.397 S/m; ε_r = 38.508; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3865;ConvF(8.28, 8.79, 8.53) @ 1880 MHz; Calibrated: 2023-01-22
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1586; Calibrated: 2023-04-26
- Phantom: ELI V5.0; Type: QD OVA 001 BB; Serial: 1220
- Measurement SW: DASY52, Version 52.10 (4);

Configuration/GSM1900_GPRS 4Tx_CH661_Rear 0 mm Grip Sensor on/Area Scan (13x15x1):
Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.746 W/kg

Configuration/GSM1900_GPRS 4Tx_CH661_Rear 0 mm Grip Sensor on/Zoom Scan (5x5x7)/Cube 0:
Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 19.53 V/m; Power Drift = -0.01 dB
Peak SAR (extrapolated) = 0.987 W/kg
SAR(1 g) = 0.491 W/kg; SAR(10 g) = 0.258 W/kg

Maximum value of SAR (measured) = 0.771 W/kg

27)

Date: 2023-10-04

Test Laboratory: Eurofins KCTL Co.,Ltd.
File Name: 1. WCDMA II_Body.da53:0

DUT: SM-X306B, Type: Tablet, Serial: R32W800125W

Communication System: UID 0, W-CDMA 1900 (Band 2) (0); Frequency: 1880 MHz; Duty Cycle: 1:1
Medium parameters used: f = 1880 MHz; σ = 1.397 S/m; ε_r = 38.508; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3865;ConvF(8.28, 8.79, 8.53) @ 1880 MHz; Calibrated: 2023-01-22
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1586; Calibrated: 2023-04-26
- Phantom: ELI V5.0; Type: QD OVA 001 BB; Serial: 1220
- Measurement SW: DASY52, Version 52.10 (4);

Configuration/WCDMA II _CH9400_Rear_0 mm Grip Sensor on/Area Scan (13x17x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.726 W/kg

Configuration/WCDMA II _CH9400_Rear_0 mm Grip Sensor on/Zoom Scan (5x5x7)/Cube 0:
Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 13.89 V/m; Power Drift = -0.16 dB
Peak SAR (extrapolated) = 1.18 W/kg
SAR(1 g) = 0.504 W/kg; SAR(10 g) = 0.258 W/kg

Maximum value of SAR (measured) = 0.762 W/kg

28)

Date: 2023-10-05

Test Laboratory: Eurofins KCTL Co.,Ltd.
File Name: 1. WCDMA IV_Body.da53:0

DUT: SM-X306B, Type: Tablet, Serial: R32W800125W

Communication System: UID 0, WCDMA 1700 (Band 4) (0); Frequency: 1732.4 MHz; Duty Cycle: 1:1
Medium parameters used: f = 1732.4 MHz; σ = 1.408 S/m; ε_r = 40.333; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3865;ConvF(8.38, 8.84, 8.67) @ 1732.4 MHz; Calibrated: 2023-01-22
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1586; Calibrated: 2023-04-26
- Phantom: ELI V5.0; Type: QD OVA 001 BB; Serial: 1220
- Measurement SW: DASY52, Version 52.10 (4);

Configuration/WCDMA IV _CH1412_Rear_0 mm Grip Sensor on/Area Scan (13x17x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.898 W/kg

Configuration/WCDMA IV _CH1412_Rear_0 mm Grip Sensor on/Zoom Scan (5x5x7)/Cube 0:
Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 20.60 V/m; Power Drift = 0.16 dB
Peak SAR (extrapolated) = 1.23 W/kg
SAR(1 g) = 0.606 W/kg; SAR(10 g) = 0.328 W/kg

Maximum value of SAR (measured) = 0.893 W/kg

29)

Date: 2023-09-26

Test Laboratory: Eurofins KCTL Co.,Ltd.
File Name: 1. WCDMA V_Body.da53:0

DUT: SM-X306B, Type: Tablet, Serial: R32W800125W

Communication System: UID 0, W-CDMA 850 (Band 5) (0); Frequency: 836.6 MHz; Duty Cycle: 1:1
Medium parameters used: f = 836.6 MHz; σ = 0.945 S/m; ε_r = 41.059; ρ = 1000 kg/m^3
Phantom section: Flat Section

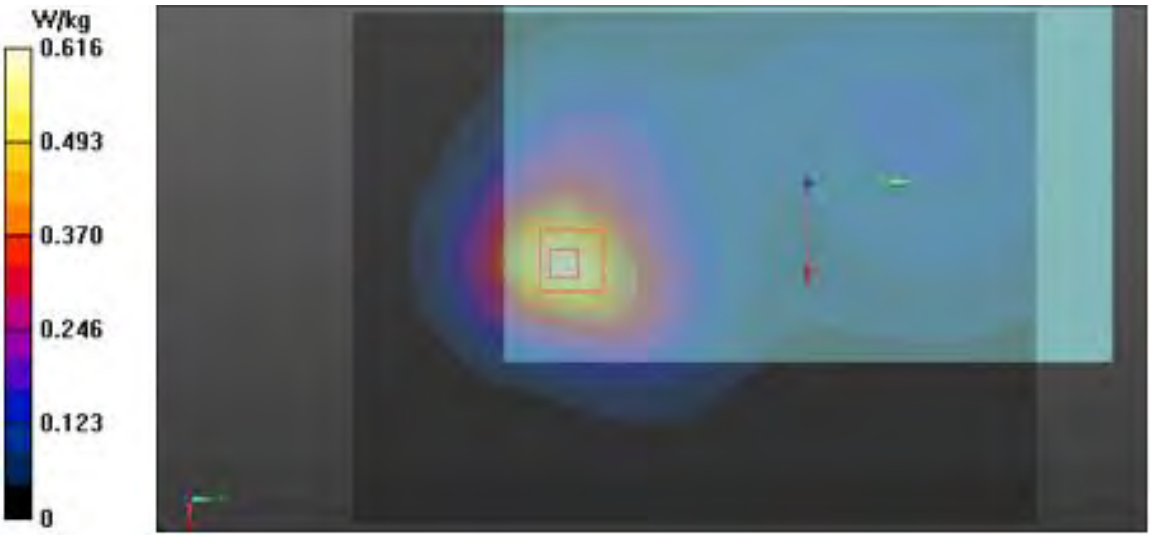
DASY5 Configuration:

- Probe: EX3DV4 - SN3865;ConvF(9.24, 9.5, 9.66) @ 836.6 MHz; Calibrated: 2023-01-22
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1586; Calibrated: 2023-04-26
- Phantom: ELI V5.0; Type: QD OVA 001 BB; Serial: 1220
- Measurement SW: DASY52, Version 52.10 (4);

Configuration/WCDMA V _CH4183_Rear_19 mm Grip Sensor off/Area Scan (13x17x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.616 W/kg

Configuration/WCDMA V _CH4183_Rear_19 mm Grip Sensor off/Zoom Scan (5x5x7)/Cube 0:
Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 27.81 V/m; Power Drift = 0.08 dB
Peak SAR (extrapolated) = 0.697 W/kg
SAR(1 g) = 0.477 W/kg; SAR(10 g) = 0.325 W/kg

Maximum value of SAR (measured) = 0.620 W/kg



30)

Date: 2023-10-10

Test Laboratory: Eurofins KCTL Co.,Ltd.
File Name: 1. LTE Band 2_QPSK_20 MHz.da53:0

DUT: SM-X306B, Type: Tablet, Serial: R32W800125W

Communication System: UID 0, LTE Band 2 (0); Frequency: 1860 MHz; Duty Cycle: 1:1
Medium parameters used: f = 1860 MHz; σ = 1.363 S/m; ε_r = 39.636; ρ = 1000 kg/m^3
Phantom section: Flat Section

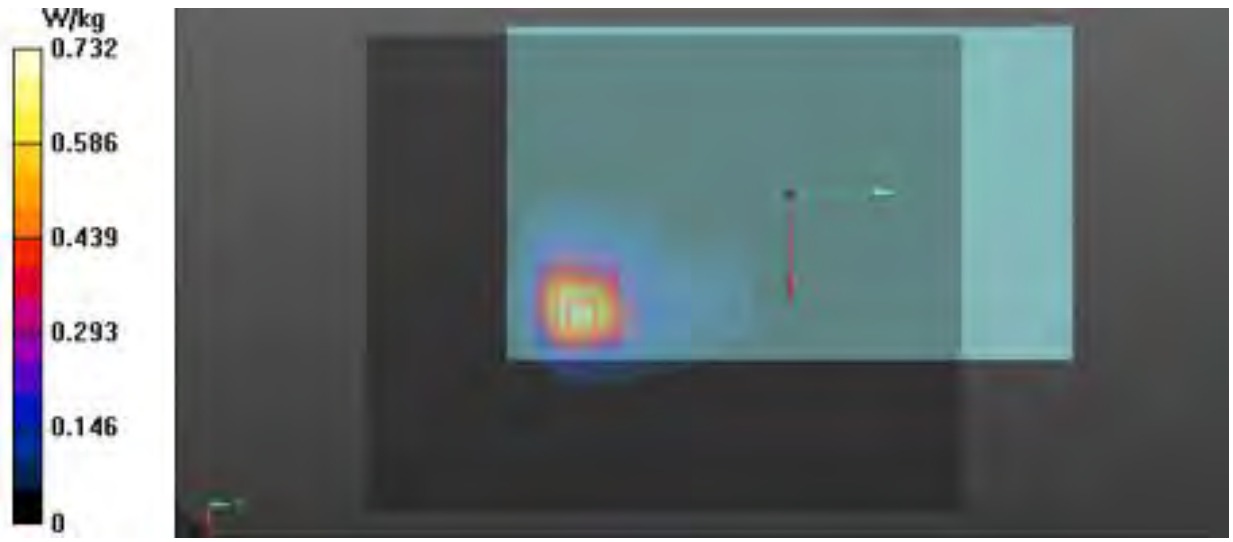
DASY5 Configuration:

- Probe: EX3DV4 - SN3865;ConvF(8.28, 8.79, 8.53) @ 1860 MHz; Calibrated: 2023-01-22
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1586; Calibrated: 2023-04-26
- Phantom: ELI V5.0; Type: QD OVA 001 BB; Serial: 1220
- Measurement SW: DASY52, Version 52.10 (4);

Configuration/LTE Band 2_QPSK _20 MHz_50 RB_24 Offset_CH18700_Rear_0 mm Grip Sensor on/Area Scan (13x16x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.732 W/kg

Configuration/LTE Band 2_QPSK _20 MHz_50 RB_24 Offset_CH18700_Rear_0 mm Grip Sensor on/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 24.14 V/m; Power Drift = -0.16 dB
Peak SAR (extrapolated) = 1.02 W/kg
SAR(1 g) = 0.501 W/kg; SAR(10 g) = 0.265 W/kg

Maximum value of SAR (measured) = 0.737 W/kg



31)

Date: 11/7/2023

Test Laboratory: Eurofins KCTL Co.,Ltd.
File Name: 1. LTE Band 2 Sub_ QPSK_20 MHz.da53:1

DUT: SM-X306B, Type: Tablet, Serial: R32W800125W

Communication System: UID 0, LTE Band 2 (0); Frequency: 1860 MHz; Duty Cycle: 1:1
Medium parameters used: f = 1860 MHz; σ = 1.353 S/m; ε_r = 39.251; ρ = 1000 kg/m^3
Phantom section: Flat Section

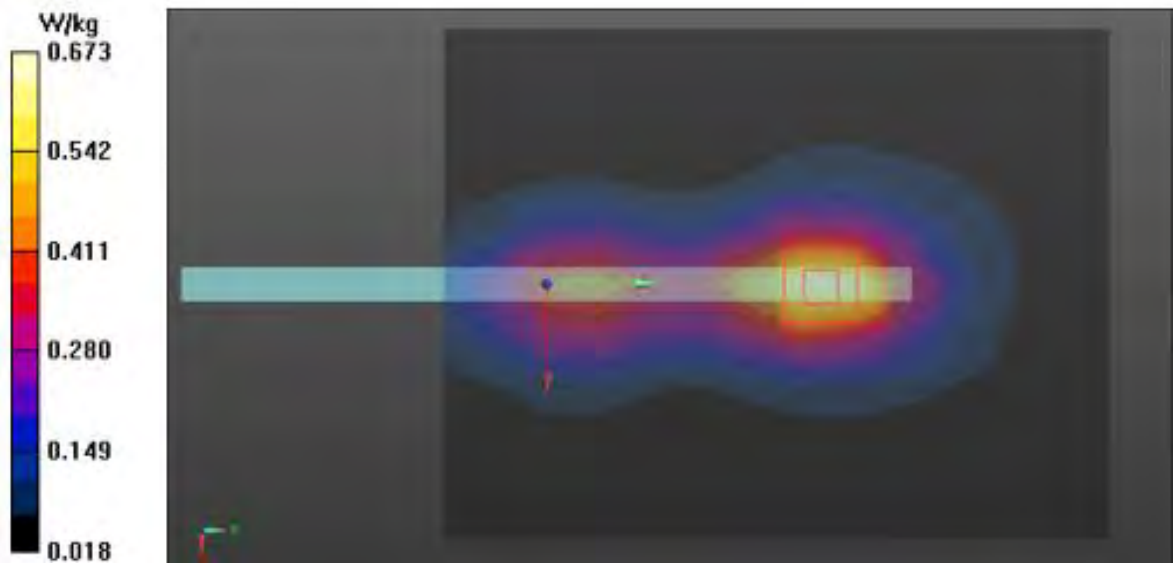
DASY5 Configuration:

- Probe: EX3DV4 - SN7540;ConvF(8.52, 8.52, 8.52) @ 1860 MHz; Calibrated: 5/4/2023
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1586; Calibrated: 4/26/2023
- Phantom: ELI V5.0; Type: QD OVA 001 BB; Serial: 1220
- Measurement SW: DASY52, Version 52.10 (4);

Configuration 2/LTE Band 2(Sub)_QPSK_20 MHz_1 RB_49 Offset_CH18700_Right_7 mm Grip Sensor off/Area Scan (11x14x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.655 W/kg

Configuration 2/LTE Band 2(Sub)_QPSK_20 MHz_1 RB_49 Offset_CH18700_Right_7 mm Grip Sensor off/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 18.18 V/m; Power Drift = -0.17 dB
Peak SAR (extrapolated) = 0.801 W/kg
SAR(1 g) = 0.474 W/kg; SAR(10 g) = 0.280 W/kg

Maximum value of SAR (measured) = 0.673 W/kg



32)

Date: 2023-10-12

Test Laboratory: Eurofins KCTL Co.,Ltd.
File Name: 1. LTE Band 5_QPSK_10 MHz.da53:1

DUT: SM-X306B, Type: Tablet, Serial: R32W800125W

Communication System: UID 0, LTE Band 5 (0); Frequency: 836.5 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): f = 836.5 MHz; σ = 0.945 S/m; ε_r = 41.819; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:

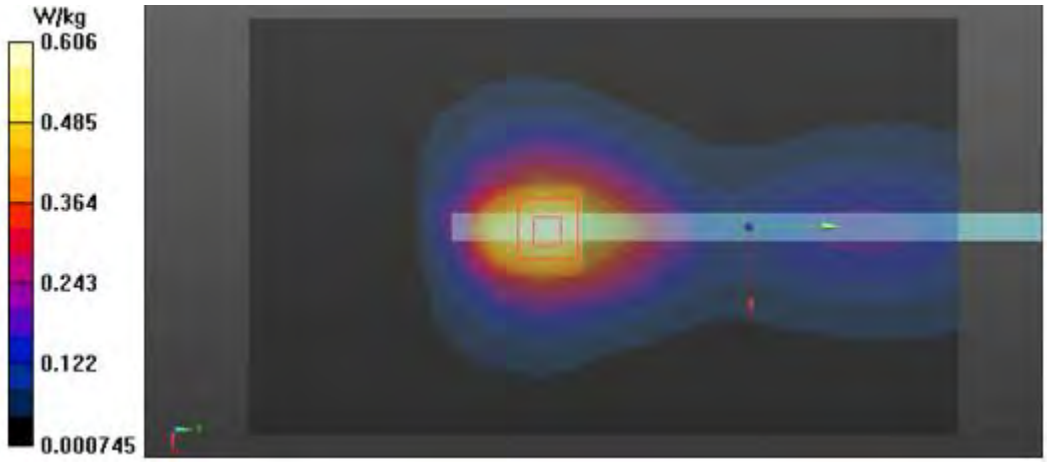
- Probe: EX3DV4 - SN3865;ConvF(9.24, 9.5, 9.66) @ 836.5 MHz; Calibrated: 2023-01-22
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1586; Calibrated: 2023-04-26
- Phantom: ELI V5.0; Type: QD OVA 001 BB; Serial: 1220
- Measurement SW: DASY52, Version 52.10 (4);

Configuration 2/LTE Band 5_QPSK_10 MHz_1 RB_0 Offset_CH20525_Right_7 mm Grip Sensor off/Area Scan (11x18x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.606 W/kg

Configuration 2/LTE Band 5_QPSK_10 MHz_1 RB_0 Offset_CH20525_Right_7 mm Grip Sensor off/Zoom Scan (5x6x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 11.67 V/m; Power Drift = -0.00 dB
Peak SAR (extrapolated) = 0.681 W/kg
SAR(1 g) = 0.473 W/kg; SAR(10 g) = 0.325 W/kg

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.606 W/kg



33)

Date: 10/30/2023

Test Laboratory: Eurofins KCTL Co.,Ltd.
File Name: 1. LTE Band 12_QPSK_10 MHz.da53:0

DUT: SM-X306B, Type: Tablet, Serial: R32W800125W

Communication System: UID 0, LTE Band 12 (0); Frequency: 707.5 MHz; Duty Cycle: 1:1
Medium parameters used: f = 707.5 MHz; σ = 0.857 S/m; ε_r = 41.536; ρ = 1000 kg/m^3
Phantom section: Flat Section

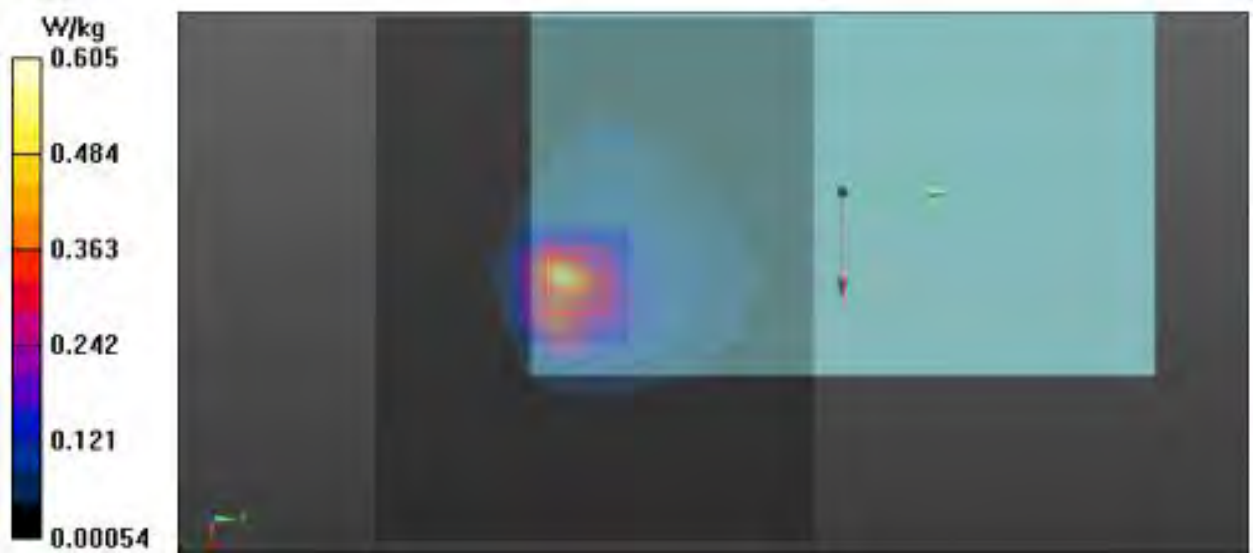
DASY5 Configuration:

- Probe: EX3DV4 - SN7540;ConvF(10.2, 10.2, 10.2) @ 707.5 MHz; Calibrated: 5/4/2023
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1586; Calibrated: 4/26/2023
- Phantom: ELI V5.0; Type: QD OVA 001 BB; Serial: 1220
- Measurement SW: DASY52, Version 52.10 (4);

Configuration/LTE Band 12_QPSK _10 MHz_25 RB_0 Offset_CH23095_Rear_0 mm Grip Sensor on 2 2/Area Scan (13x11x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.607 W/kg

Configuration/LTE Band 12_QPSK _10 MHz_25 RB_0 Offset_CH23095_Rear_0 mm Grip Sensor on 2 2/Zoom Scan (6x6x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 30.49 V/m; Power Drift = -0.03 dB
Peak SAR (extrapolated) = 0.753 W/kg
SAR(1 g) = 0.302 W/kg; SAR(10 g) = 0.155 W/kg

Maximum value of SAR (measured) = 0.605 W/kg



34)

Date: 10/30/2023

Test Laboratory: Eurofins KCTL Co.,Ltd.
File Name: 1. LTE Band 13_QPSK_10 MHz.da53:0

DUT: SM-X306B, Type: Tablet, Serial: R32W800125W

Communication System: UID 0, LTE Band 13 (0); Frequency: 782 MHz; Duty Cycle: 1:1
Medium parameters used: f = 782 MHz; σ = 0.918 S/m; ε_r = 41.843; ρ = 1000 kg/m^3
Phantom section: Flat Section

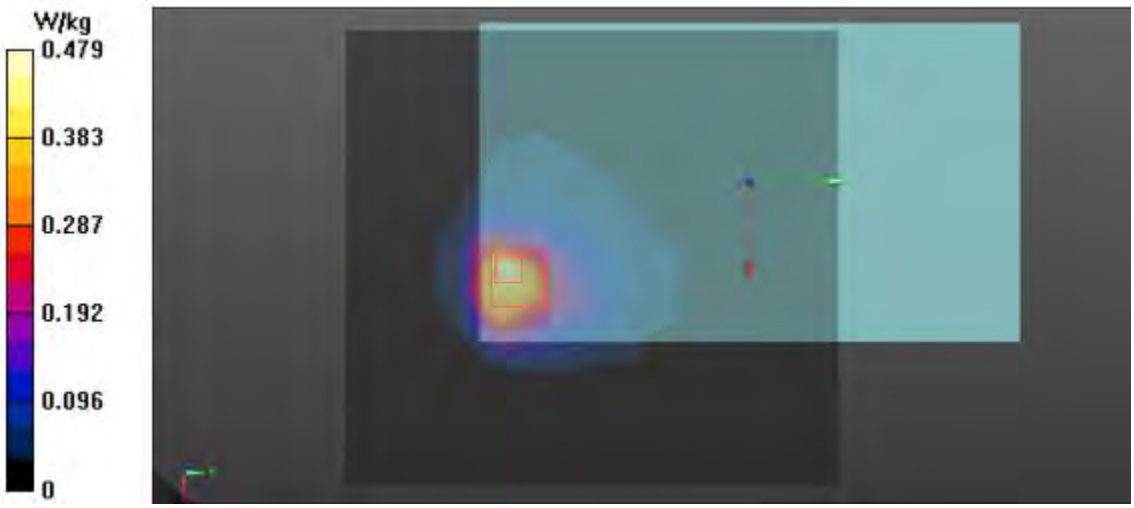
DASY5 Configuration:

- Probe: EX3DV4 - SN7540;ConvF(10.2, 10.2, 10.2) @ 782 MHz; Calibrated: 5/4/2023
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1586; Calibrated: 4/26/2023
- Phantom: ELI V5.0; Type: QD OVA 001 BB; Serial: 1220
- Measurement SW: DASY52, Version 52.10 (4);

Configuration/LTE Band 13_QPSK _10 MHz_25 RB_0 Offset_CH23230_Rear_0 mm Grip Sensor on/Area Scan (13x14x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.479 W/kg

Configuration/LTE Band 13_QPSK _10 MHz_25 RB_0 Offset_CH23230_Rear_0 mm Grip Sensor on/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 15.69 V/m; Power Drift = -0.17 dB
Peak SAR (extrapolated) = 0.787 W/kg
SAR(1 g) = 0.319 W/kg; SAR(10 g) = 0.167 W/kg

Maximum value of SAR (measured) = 0.650 W/kg



35)

Date: 2023-10-12

Test Laboratory: Eurofins KCTL Co.,Ltd.
File Name: 2. LTE Band 26_QPSK_15 MHz.da53:0

DUT: SM-X306B, Type: Tablet, Serial: R32W800125W

Communication System: UID 0, LTE Band 26 (0); Frequency: 831.5 MHz; Duty Cycle: 1:1
Medium parameters used: f = 831.5 MHz; σ = 0.943 S/m; ε_r = 41.837; ρ = 1000 kg/m^3
Phantom section: Flat Section

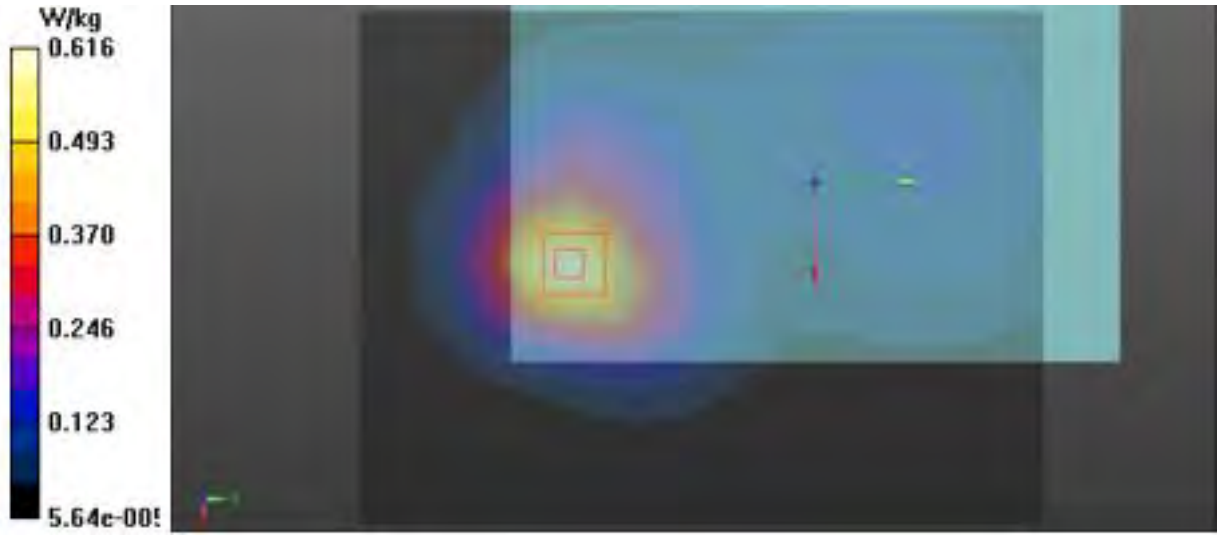
DASY5 Configuration:

- Probe: EX3DV4 - SN3865;ConvF(9.24, 9.5, 9.66) @ 831.5 MHz; Calibrated: 2023-01-22
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1586; Calibrated: 2023-04-26
- Phantom: ELI V5.0; Type: QD OVA 001 BB; Serial: 1220
- Measurement SW: DASY52, Version 52.10 (4);

Configuration/LTE Band 26_QPSK _15 MHz_1 RB_0 Offset_CH26865_Rear_19 mm Grip Sensor off/Area Scan (13x17x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.616 W/kg

Configuration/LTE Band 26_QPSK _15 MHz_1 RB_0 Offset_CH26865_Rear_19 mm Grip Sensor off/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 26.44 V/m; Power Drift = 0.00 dB
Peak SAR (extrapolated) = 0.701 W/kg
SAR(1 g) = 0.471 W/kg; SAR(10 g) = 0.318 W/kg

Maximum value of SAR (measured) = 0.620 W/kg



36)

Date: 10/30/2023

Test Laboratory: Eurofins KCTL Co.,Ltd.
File Name: 1. LTE Band 41_QPSK_20 MHz.da53:1

DUT: SM-X306B, Type: Tablet, Serial: R32W800125W

Communication System: UID 0, LTE Band 41 (0); Frequency: 2680 MHz; Duty Cycle: 1:1.58016
Medium parameters used: f = 2680 MHz; σ = 2.003 S/m; ε_r = 39.976; ρ = 1000 kg/m^3
Phantom section: Flat Section

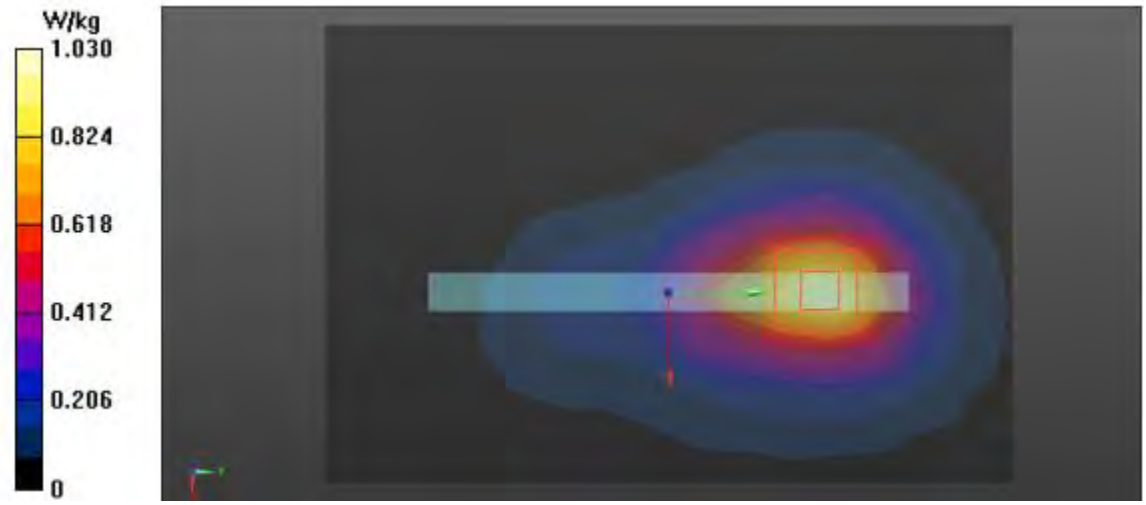
DASY5 Configuration:

- Probe: EX3DV4 - SN7540;ConvF(7.49, 7.49, 7.49) @ 2680 MHz; Calibrated: 5/4/2023
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1586; Calibrated: 4/26/2023
- Phantom: ELI V5.0; Type: QD OVA 001 BB; Serial: 1220
- Measurement SW: DASY52, Version 52.10 (4);

Configuration 2/LTE Band 41_QPSK_20 MHz_1 RB_49 Offset_CH41490_Top_14 mm Grip Sensor off/Area Scan (11x16x1): Measurement grid: dx=12mm, dy=12mm
Maximum value of SAR (measured) = 1.03 W/kg

Configuration 2/LTE Band 41_QPSK_20 MHz_1 RB_49 Offset_CH41490_Top_14 mm Grip Sensor off/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 19.49 V/m; Power Drift = -0.05 dB
Peak SAR (extrapolated) = 1.18 W/kg
SAR(1 g) = 0.633 W/kg; SAR(10 g) = 0.338 W/kg

Maximum value of SAR (measured) = 0.973 W/kg



37)

Date: 10/13/2023

Test Laboratory: Eurofins KCTL Co.,Ltd.
File Name: 1. LTE Band 66_QPSK_20 MHz.da53:1

DUT: SM-X306B, Type: Tablet, Serial: R32W800125W

Communication System: UID 0, LTE Band 66 (0); Frequency: 1745 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): f = 1745 MHz; σ = 1.413 S/m; ε_r = 39.305; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:

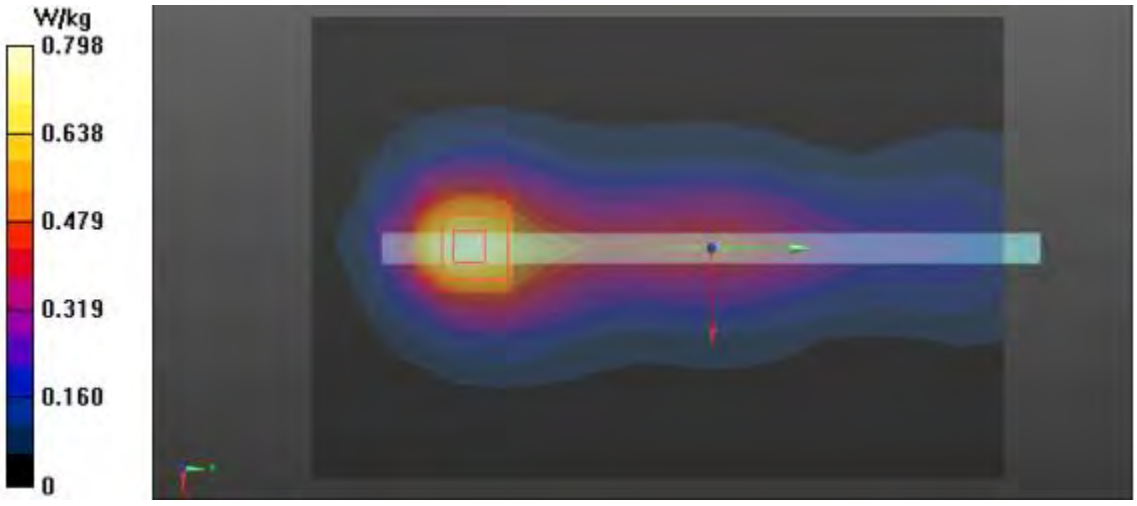
- Probe: EX3DV4 - SN3865;ConvF(8.38, 8.84, 8.67) @ 1745 MHz; Calibrated: 1/22/2023
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1586; Calibrated: 4/26/2023
- Phantom: ELI V5.0; Type: QD OVA 001 BB; Serial: 1220
- Measurement SW: DASY52, Version 52.10 (4);

Configuration 2/LTE Band 66_QPSK_20 MHz_1 RB_49 Offset_CH132322_Right_7 mm Grip Sensor off/Area Scan (11x16x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.798 W/kg

Configuration 2/LTE Band 66_QPSK_20 MHz_1 RB_49 Offset_CH132322_Right_7 mm Grip Sensor off/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 19.42 V/m; Power Drift = 0.04 dB
Peak SAR (extrapolated) = 0.939 W/kg
SAR(1 g) = 0.571 W/kg; SAR(10 g) = 0.349 W/kg

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.801 W/kg



38)

Date: 9/26/2023

Test Laboratory: Eurofins KCTL Co.,Ltd.
File Name: 2. 5G NR n5_Body.da53:1

DUT: SM-X306B, Type: Tablet, Serial: R32W80019DT

Communication System: UID 0, 5G Sub6 n5 (0); Frequency: 836.5 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): f = 836.5 MHz; σ = 0.893 S/m; ε_r = 42.436; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:

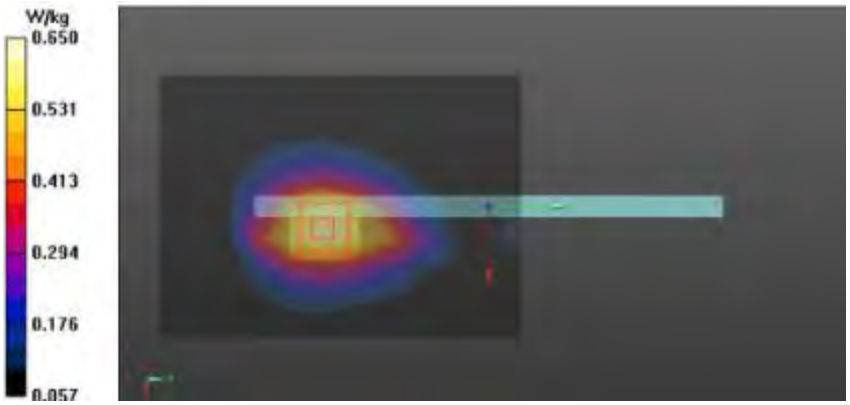
- Probe: EX3DV4 - SN7540;ConvF(9.67, 9.67, 9.67) @ 836.5 MHz; Calibrated: 5/4/2023
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1342; Calibrated: 3/13/2023
- Phantom: ELI V8.0; Type: QD OVA 004 Ax; Serial: 2097
- Measurement SW: DASY52, Version 52.10 (4);

Configuration 2/5G NR n5 DFT-S-OFDM_QPSK_SCS 15kHz_20MHz 50RB 28offset_CH167300_Right_7 mm(Sensor off)/Area Scan (9x12x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.616 W/kg

Configuration 2/5G NR n5 DFT-S-OFDM_QPSK_SCS 15kHz_20MHz 50RB 28offset_CH167300_Right_7 mm(Sensor off)/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 9.450 V/m; Power Drift = -0.16 dB
Peak SAR (extrapolated) = 0.730 W/kg
SAR(1 g) = 0.503 W/kg; SAR(10 g) = 0.346 W/kg

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.650 W/kg



39)

Date: 2023-10-13

Test Laboratory: Eurofins KCTL Co.,Ltd.
File Name: 2. 5G NR n66_Body.da53:1

DUT: SM-X306B, Type: Tablet, Serial: R32W800125W

Communication System: UID 0, 5G sub6 n66 (0); Frequency: 1745 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): f = 1745 MHz; σ = 1.413 S/m; ε_r = 39.305; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:

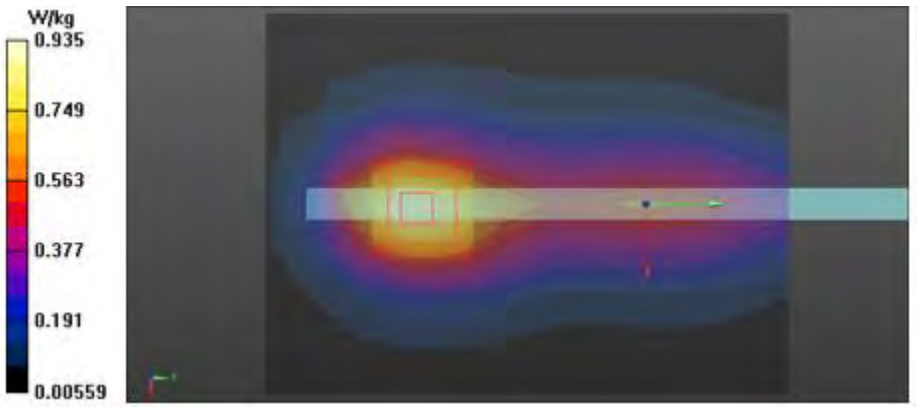
- Probe: EX3DV4 - SN3865;ConvF(8.38, 8.84, 8.67) @ 1745 MHz; Calibrated: 2023-01-22
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1586; Calibrated: 2023-04-26
- Phantom: ELI V5.0; Type: QD OVA 001 BB; Serial: 1220
- Measurement SW: DASY52, Version 52.10 (4);

Configuration 2/5G NR n66 DFT-S-OFDM_QPSK_SCS 15kHz_20MHz 50RB 28offset_CH349000_Right_7 mm(Sensor off) 2/Area Scan (9x12x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.935 W/kg

Configuration 2/5G NR n66 DFT-S-OFDM_QPSK_SCS 15kHz_20MHz 50RB 28offset_CH349000_Right_7 mm(Sensor off) 2/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 21.31 V/m; Power Drift = 0.01 dB
Peak SAR (extrapolated) = 1.14 W/kg
SAR(1 g) = 0.682 W/kg; SAR(10 g) = 0.414 W/kg

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.962 W/kg



40)

Date: 10/21/2023

Test Laboratory: Eurofins KCTL Co.,Ltd.
File Name: 1. WLAN 2.4GHz_Ant1_Body.da53:0

DUT: SM-X306B, Type: Tablet, Serial: R32W80015QK

Communication System: UID 0, 2.4GWLAN (0); Frequency: 2437 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): f = 2437 MHz; σ = 1.814 S/m; ε_r = 38.671; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:

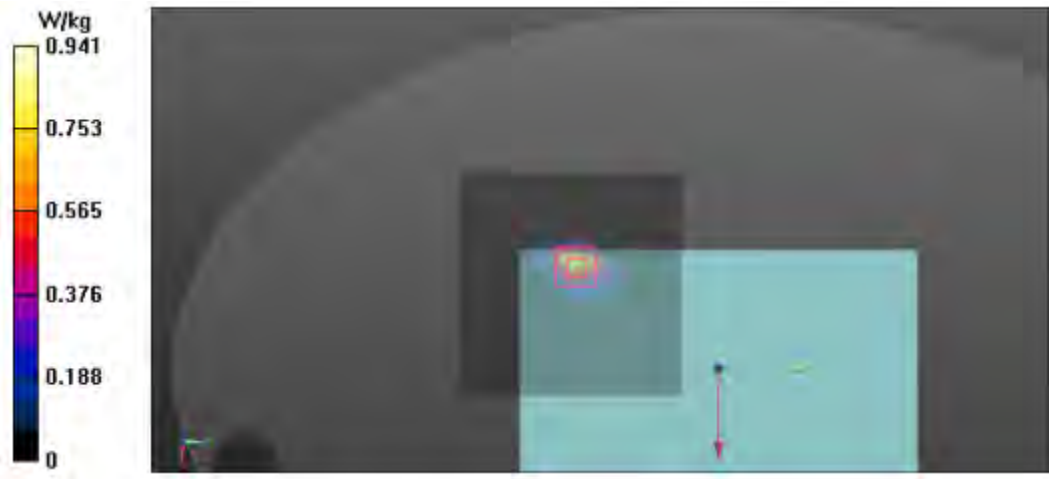
- Probe: EX3DV4 - SN7840;ConvF(6.8, 6.79, 6.85) @ 2437 MHz; Calibrated: 8/25/2023
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1758; Calibrated: 8/24/2023
- Phantom: ELI v5.0 sn1178; Type: QDOVA002AA; Serial: TP:1178
- Measurement SW: DASY52, Version 52.10 (4);

Configuration/WLAN2.4GHz_802.11b_Ch6_Rear_0 mm_Grip Sensor On/Area Scan (11x11x1):
Measurement grid: dx=12mm, dy=12mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.941 W/kg

Configuration/WLAN2.4GHz_802.11b_Ch6_Rear_0 mm_Grip Sensor On/Zoom Scan (7x7x7)/Cube 0:
Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 30.17 V/m; Power Drift = -0.16 dB
Peak SAR (extrapolated) = 2.09 W/kg
SAR(1 g) = 0.729 W/kg; SAR(10 g) = 0.244 W/kg

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 1.52 W/kg



41)

Date: 10/21/2023

Test Laboratory: Eurofins KCTL Co.,Ltd.
File Name: 2. WLAN 2.4GHz_MIMO_Body.da53:0

DUT: SM-X306B, Type: Tablet, Serial: R32W80015QK

Communication System: UID 0, 2.4GWLAN (0); Frequency: 2412 MHz; Duty Cycle: 1:1
Medium parameters used: f = 2412 MHz; σ = 1.796 S/m; ε_r = 38.729; ρ = 1000 kg/m^3
Phantom section: Flat Section

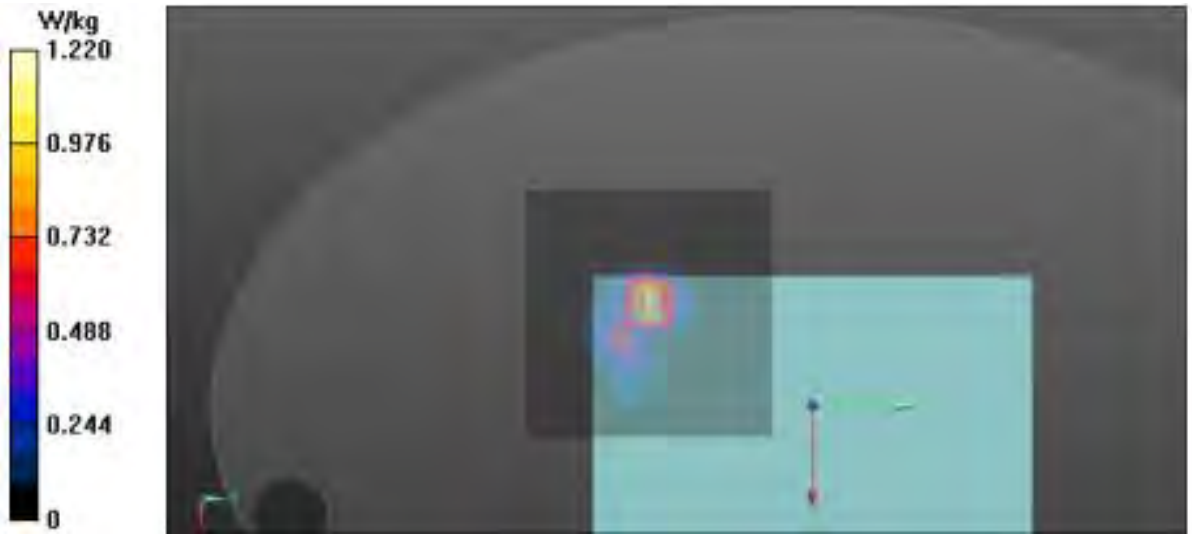
DASY5 Configuration:

- Probe: EX3DV4 - SN7840;ConvF(6.8, 6.79, 6.85) @ 2412 MHz; Calibrated: 8/25/2023
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1758; Calibrated: 8/24/2023
- Phantom: ELI v5.0 sn1178; Type: QDOVA002AA; Serial: TP:1178
- Measurement SW: DASY52, Version 52.10 (4);

Configuration/WLAN2.4GHz_802.11b_Ch1_MIMO_Rear_0 mm_Grip Sensor On/Area Scan (11x11x1): Measurement grid: dx=12mm, dy=12mm
Maximum value of SAR (measured) = 1.22 W/kg

Configuration/WLAN2.4GHz_802.11b_Ch1_MIMO_Rear_0 mm_Grip Sensor On/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 33.42 V/m; Power Drift = 0.00 dB
Peak SAR (extrapolated) = 2.53 W/kg
SAR(1 g) = 0.935 W/kg; SAR(10 g) = 0.370 W/kg

Maximum value of SAR (measured) = 1.85 W/kg



42)

Date: 10/18/2023

Test Laboratory: Eurofins KCTL Co.,Ltd.
File Name: 1. WLAN 5.3GHz_WIFI2_Body.da53:0

DUT: SM-X306B, Type: Tablet, Serial: R32W80015QK

Communication System: UID 0, 5GWLAN (0); Frequency: 5320 MHz; Duty Cycle: 1:1
Medium parameters used: f = 5320 MHz; σ = 4.663 S/m; ε_r = 35.072; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7840;ConvF(5.33, 5.34, 5.33) @ 5320 MHz; Calibrated: 8/25/2023
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1758; Calibrated: 8/24/2023
- Phantom: ELI v5.0 sn1178; Type: QDOVA002AA; Serial: TP:1178
- Measurement SW: DASY52, Version 52.10 (4);

Configuration/WLAN5GHz_802.11a_Ch64_WIFI2_Rear_0 mm Grip Sensor on/Area Scan (12x12x1):
Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 1.66 W/kg

Configuration/WLAN5GHz_802.11a_Ch64_WIFI2_Rear_0 mm Grip Sensor on/Zoom Scan (8x8x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 7.645 V/m; Power Drift = -0.19 dB
Peak SAR (extrapolated) = 6.51 W/kg
SAR(1 g) = 0.577 W/kg; SAR(10 g) = 0.113 W/kg

Maximum value of SAR (measured) = 1.84 W/kg

43)

Date: 2023-10-18

Test Laboratory: Eurofins KCTL Co.,Ltd.
File Name: 2. WLAN 5.3GHz_MIMO_Body.da53:0

DUT: SM-X306B, Type: Tablet, Serial: R32W80015QK

Communication System: UID 0, 5GWLAN (0); Frequency: 5320 MHz; Duty Cycle: 1:1
Medium parameters used: f = 5320 MHz; σ = 4.663 S/m; ε_r = 35.072; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7840;ConvF(5.33, 5.34, 5.33) @ 5320 MHz; Calibrated: 2023-08-25
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1758; Calibrated: 2023-08-24
- Phantom: ELI v5.0 sn1178; Type: QDOVA002AA; Serial: TP:1178
- Measurement SW: DASY52, Version 52.10 (4);

Configuration/WLAN5GHz_802.11a_Ch64_MIMO_Rear_0 mm Grip Sensor on/Area Scan (12x12x1):
Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 1.30 W/kg

Configuration/WLAN5GHz_802.11a_Ch64_MIMO_Rear_0 mm Grip Sensor on/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 7.993 V/m; Power Drift = -0.15 dB
Peak SAR (extrapolated) = 2.37 W/kg
SAR(1 g) = 0.446 W/kg; SAR(10 g) = 0.083 W/kg

Maximum value of SAR (measured) = 1.39 W/kg

44)

Date: 10/19/2023

Test Laboratory: Eurofins KCTL Co.,Ltd.
File Name: 1. WLAN 5.6GHz_WIFI2_Body.da53:0

DUT: SM-X306B, Type: Tablet, Serial: R32W80015QK

Communication System: UID 0, 5GWLAN (0); Frequency: 5500 MHz; Duty Cycle: 1:1
Medium parameters used: f = 5500 MHz; σ = 4.867 S/m; ε_r = 36.31; ρ = 1000 kg/m^3
Phantom section: Flat Section

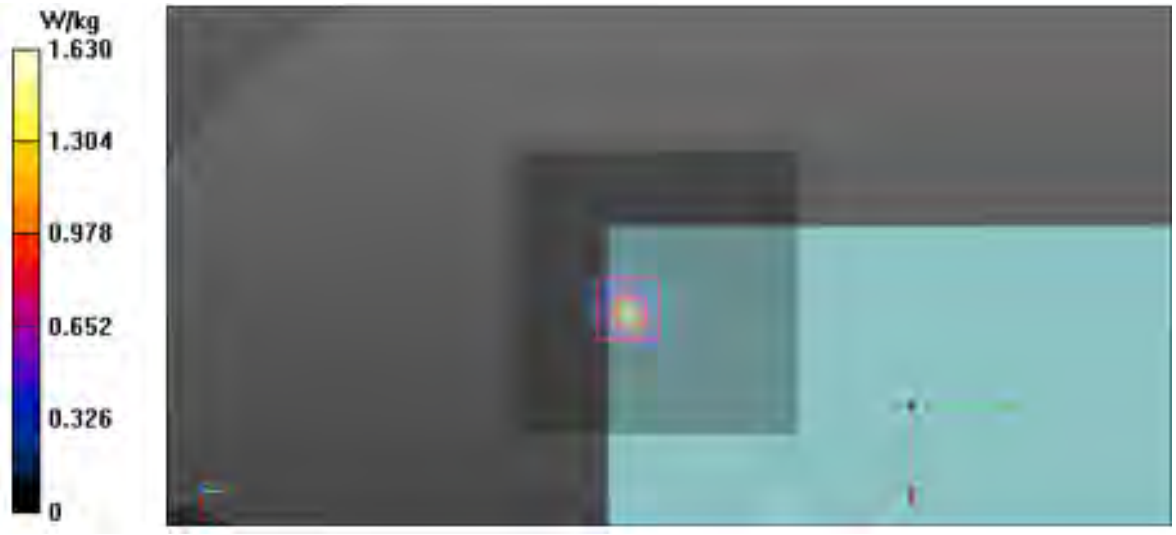
DASY5 Configuration:

- Probe: EX3DV4 - SN7840;ConvF(4.59, 4.57, 4.57) @ 5500 MHz; Calibrated: 8/25/2023
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1758; Calibrated: 8/24/2023
- Phantom: ELI v5.0 sn1178; Type: QDOVA002AA; Serial: TP:1178
- Measurement SW: DASY52, Version 52.10 (4);

Configuration/WLAN5GHz_802.11a_Ch100_WIFI2_Rear_0 mm Grip Sensor on/Area Scan (11x11x1):
Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 1.63 W/kg

Configuration/WLAN5GHz_802.11a_Ch100_WIFI2_Rear_0 mm Grip Sensor on/Zoom Scan (8x8x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 7.048 V/m; Power Drift = 0.10 dB
Peak SAR (extrapolated) = 4.70 W/kg
SAR(1 g) = 0.792 W/kg; SAR(10 g) = 0.159 W/kg

Maximum value of SAR (measured) = 2.49 W/kg



45)

Date: 2023-10-19

Test Laboratory: Eurofins KCTL Co.,Ltd.
File Name: 2. WLAN 5.6GHz_MIMO_Body.da53:0

DUT: SM-X306B, Type: Tablet, Serial: R32W80015QK

Communication System: UID 0, 5GWLAN (0); Frequency: 5500 MHz; Duty Cycle: 1:1
Medium parameters used: f = 5500 MHz; σ = 4.867 S/m; ε_r = 36.31; ρ = 1000 kg/m^3
Phantom section: Flat Section

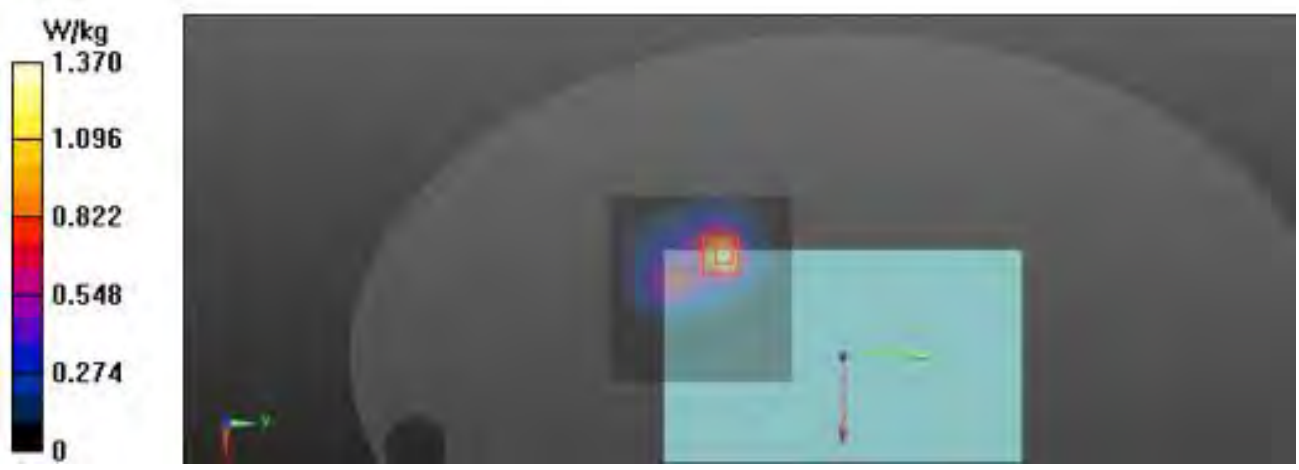
DASY5 Configuration:

- Probe: EX3DV4 - SN7840;ConvF(4.59, 4.57, 4.57) @ 5500 MHz; Calibrated: 2023-08-25
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1758; Calibrated: 2023-08-24
- Phantom: ELI v5.0 sn1178; Type: QDOVA002AA; Serial: TP:1178
- Measurement SW: DASY52, Version 52.10 (4);

Configuration/WLAN5GHz_802.11a_Ch100_MIMO_Rear_14 mm/Area Scan (12x12x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 1.37 W/kg

Configuration/WLAN5GHz_802.11a_Ch100_MIMO_Rear_14 mm/Zoom Scan (9x9x7)/Cube 0:
Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 18.73 V/m; Power Drift = 0.05 dB
Peak SAR (extrapolated) = 2.49 W/kg
SAR(1 g) = 0.653 W/kg; SAR(10 g) = 0.234 W/kg

Maximum value of SAR (measured) = 1.51 W/kg



46)

Date: 10/20/2023

Test Laboratory: Eurofins KCTL Co.,Ltd.
File Name: 1. WLAN 5.8GHz_WIFI2_Body.da53:0

DUT: SM-X306B, Type: Tablet, Serial: R32W80015QK

Communication System: UID 0, 5GWLAN (0); Frequency: 5785 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): f = 5785 MHz; σ = 5.116 S/m; ε_r = 35.828; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7840;ConvF(4.72, 4.69, 4.74) @ 5785 MHz; Calibrated: 8/25/2023
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1758; Calibrated: 8/24/2023
- Phantom: ELI v5.0 sn1178; Type: QDOVA002AA; Serial: TP:1178
- Measurement SW: DASY52, Version 52.10 (4);

Configuration/WLAN5GHz_802.11a_Ch157_WIFI2_Rear_0 mm Grip Sensor on/Area Scan (11x11x1):
Measurement grid: dx=10mm, dy=10mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 1.45 W/kg

Configuration/WLAN5GHz_802.11a_Ch157_WIFI2_Rear_0 mm Grip Sensor on/Zoom Scan (8x8x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 8.231 V/m; Power Drift = -0.04 dB
Peak SAR (extrapolated) = 6.13 W/kg
SAR(1 g) = 0.975 W/kg; SAR(10 g) = 0.193 W/kg

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 3.26 W/kg

47)

Date: 10/20/2023

Test Laboratory: Eurofins KCTL Co.,Ltd.
File Name: 2. WLAN 5.8GHz_MIMO_Body.da53:0

DUT: SM-X306B, Type: Tablet, Serial: R32W80015QK

Communication System: UID 0, 5GWLAN (0); Frequency: 5785 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): f = 5785 MHz; σ = 5.116 S/m; ε_r = 35.828; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7840;ConvF(4.72, 4.69, 4.74) @ 5785 MHz; Calibrated: 8/25/2023
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1758; Calibrated: 8/24/2023
- Phantom: ELI v5.0 sn1178; Type: QDOVA002AA; Serial: TP:1178
- Measurement SW: DASY52, Version 52.10 (4);

Configuration/WLAN5GHz_802.11a_Ch157_MIMO_Rear_0 mm Grip Sensor on/Area Scan (12x12x1):
Measurement grid: dx=10mm, dy=10mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 1.92 W/kg

Configuration/WLAN5GHz_802.11a_Ch157_MIMO_Rear_0 mm Grip Sensor on/Zoom Scan (9x9x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 5.618 V/m; Power Drift = -0.17 dB
Peak SAR (extrapolated) = 4.08 W/kg
SAR(1 g) = 0.670 W/kg; SAR(10 g) = 0.127 W/kg

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 2.04 W/kg

48)

Date: 2023-10-11

Test Laboratory: Eurofins KCTL Co.,Ltd.
File Name: 1. Bluetooth_BDR_LE_Body.da53:0

DUT: SM-X306B, Type: Tablet, Serial: R32W80015QK

Communication System: UID 0, Bluetooth LE (0); Frequency: 2402 MHz; Duty Cycle: 1:1.02683
Medium parameters used (interpolated): f = 2402 MHz; σ = 1.76 S/m; ε_r = 39.903; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:

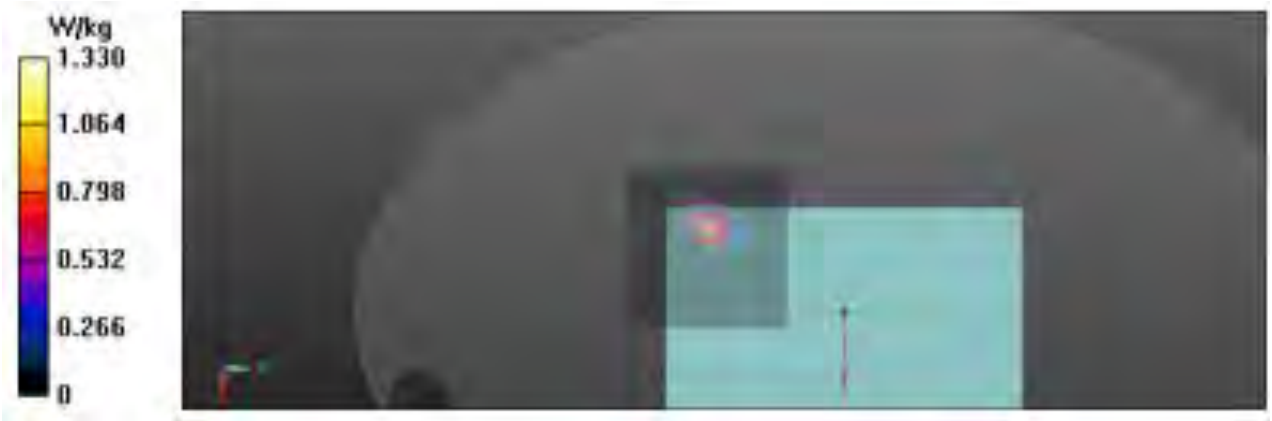
- Probe: EX3DV4 - SN7840;ConvF(6.8, 6.79, 6.85) @ 2402 MHz; Calibrated: 2023-08-25
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1758; Calibrated: 2023-08-24
- Phantom: ELI v5.0 sn1178; Type: QDOVA002AA; Serial: TP:1178
- Measurement SW: DASY52, Version 52.10 (4);

Configuration/Bluetooth_125 Coded 255_LE_Ch0_Rear_0 mm_Grip Sensor On/Area Scan (9x9x1):
Measurement grid: dx=12mm, dy=12mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 1.33 W/kg

Configuration/Bluetooth_125 Coded 255_LE_Ch0_Rear_0 mm_Grip Sensor On/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 28.46 V/m; Power Drift = 0.04 dB
Peak SAR (extrapolated) = 1.93 W/kg
SAR(1 g) = 0.697 W/kg; SAR(10 g) = 0.247 W/kg

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 1.38 W/kg



Appendixes List

Appendix A	A.1 Probe Calibration certificate (EX3DV4_SN3697) A.2 Probe Calibration certificate (EX3DV4_SN3865) A.3 Probe Calibration certificate (EX3DV4_SN7540) A.4 Probe Calibration certificate (EX3DV4_SN7840) A.5 Dipole Calibration certificate (D750V3_SN1183) A.6 Dipole Calibration certificate (D750V3_SN1224) A.7 Dipole Calibration certificate (D850V2_SN1030) A.8 Dipole Calibration certificate (D1750V2_SN1072) A.9 Dipole Calibration certificate (D1750V2_SN1195) A.10 Dipole Calibration certificate (D1900V2_SN5d248) A.11 Dipole Calibration certificate (D2450V2_SN895) A.12 Dipole Calibration certificate (D2450V2_SN1091) A.13 Dipole Calibration certificate (D2600V2_SN1050) A.14 Dipole Calibration certificate (D2600V2_SN1200) A.15 Dipole Calibration certificate (D5GHzV2_SN1293)
Appendix B	SAR Tissue Specification
Appendix C	Downlink LTE CA RF Conducted Power
Appendix D	Power Reduction Verification
Appendix E	#Antenna Location & Distance
Appendix F	EUT Photo
Appendix G	Test Setup Photo