

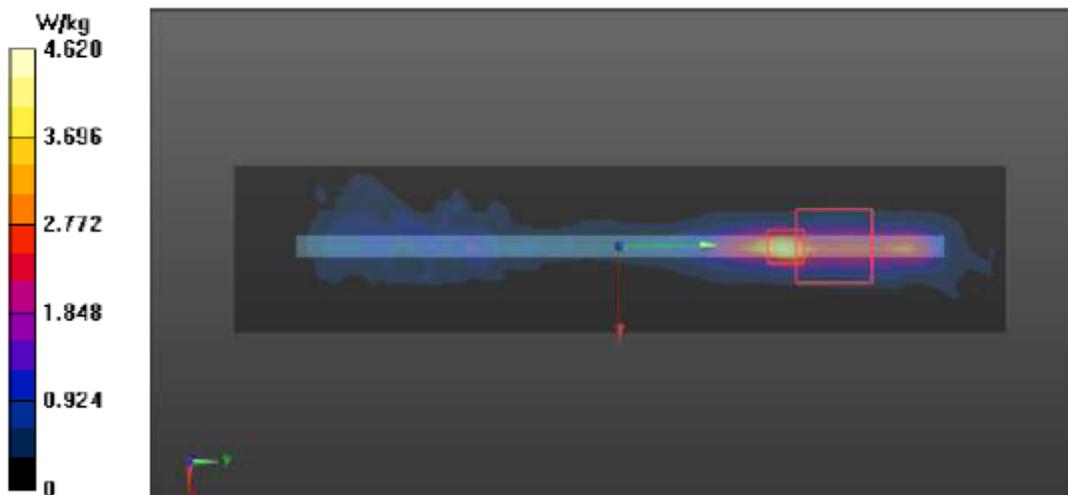
**LTE Band 2 Volume Scan – Top Position**

Scenario No.10

Licensed Band + WLAN 2.4 GHz MIMO + WLAN 5 GHz MIMO  
= 0.993 W/kg**Multi-Band Average SAR****Multi-Band Configurations:**DASY Configuration for Configuration 3/LTE Band 2\_QPSK\_20  
MHz\_50RB\_24offset\_CH19100\_Top\_0 mm Grip Sensor On\_VS/Volume Scan:DASY Configuration for Configuration 5/802.11\_b\_MIMO\_CH11\_Top\_0 mm  
Sensor On VS/Volume Scan:DASY Configuration for Configuration 5/802.11 ac\_VHT80\_WLAN1\_CH122\_Top\_0  
mm Sensor On\_VS/Volume Scan:DASY Configuration for Configuration 5/802.11 ac\_VHT80\_WLAN2\_CH155\_Top\_0  
mm Sensor On\_VS 2/Volume Scan:**Multi Band Result:**

SAR(1 g) = 0.993 W/kg; SAR(10 g) = 0.395 W/kg

Maximum value of SAR (interpolated) = 4.62 W/kg



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## 12.3.7 LTE Band 5 SPLSR and Volume Scan Analysis\_Sensor On

LTE Band 5 Simultaneous										
Scenario	Scenario No.1	Scenario No.2	Scenario No.3	Scenario No.4	Scenario No.5	Scenario No.6	Scenario No.7	Scenario No.8	Scenario No.9	Scenario No.10
SUM	①②	①⑥	①⑦	①③	①④⑤	①②⑥	①④⑤⑥	①④⑤⑦	①②④⑤⑥	①③④⑤
Rear	1.583	1.474	1.534	1.653	2.163	2.151	2.731	2.791	3.408	2.910
Left	0.295	0.224	0.703	0.287	0.820	0.295	0.820	1.299	0.891	0.883
Left Corner	0.465	0.800	0.528	0.478	0.762	0.865	1.162	0.890	1.227	0.840
Right	0.058	0.632	0.046	0.503	0.714	0.644	1.300	0.714	1.312	1.171
Right Corner	0.494	0.404	0.494	0.338	0.624	0.804	0.934	1.024	1.334	0.868
Top	1.081	1.208	1.050	1.233	1.446	1.344	1.709	1.551	1.845	1.734

Note: Yellow highlight cells require SPLSR or Volume Scan analysis.

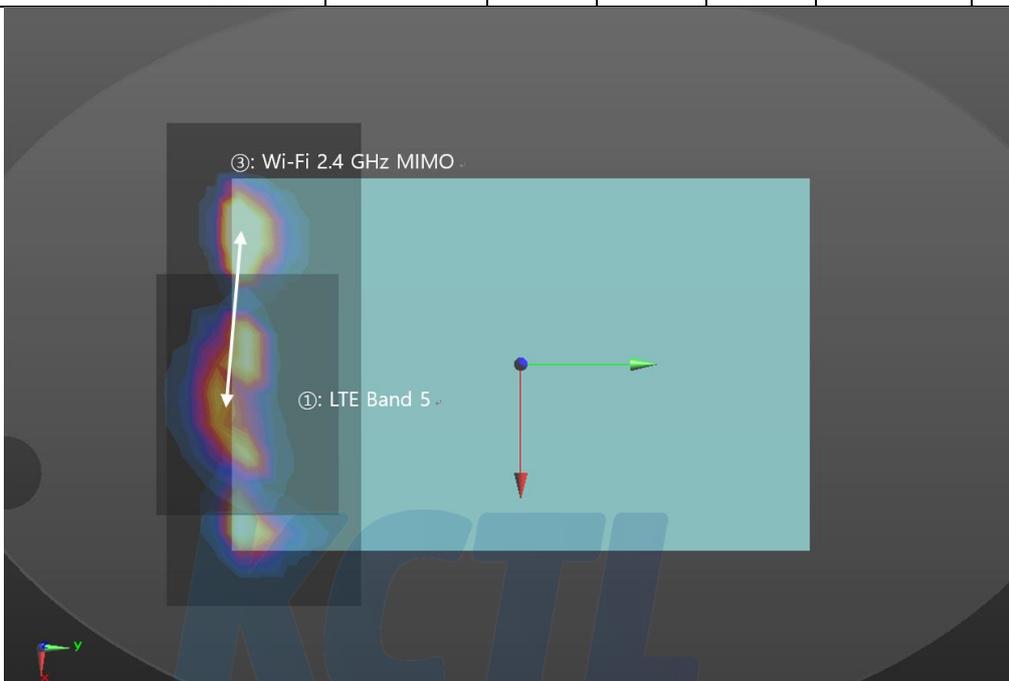
LTE Band 5 SPLSR – Rear Position														
Scenario	Scenario No.4		Scenario No.5		Scenario No.6		Scenario No.7		Scenario No.8		Scenario No.9		Scenario No.10	
Rear	1.653		2.163		2.151		2.731		2.791		3.408		2.910	
Distance [mm]	①-③	63.50	①-④	98.53	①-②	62.71	①-④⑥	97.81	①-⑤⑦	71.6	①-②⑤	39.47	①-③④	97.19
	N/A		①-⑤	70.9	①-⑥	107.5	①-⑤	70.9	①-④	98.53	①-④⑥	97.81	①-③⑤	71.6
	N/A		④-⑤	168.9	②-⑥	169.5	④⑥-⑤	167.5	④-⑤⑦	169.5	②⑤-④⑥	136.5	③④-③⑤	168.2
SPLSR ≤ 0.04 Limit	①-③	0.03	①-④	0.02	①-②	0.03	①-④⑥	0.02	①-⑤⑦	0.04	①-②⑤	0.07	①-③④	0.03
	N/A		①-⑤	0.03	①-⑥	0.02	①-⑤	0.03	①-④	0.02	①-④⑥	0.02	①-③⑤	0.04
	N/A		④-⑤	0.01	②-⑥	0.01	④⑥-⑤	0.01	④-⑤⑦	0.01	②⑤-④⑥	0.02	③④-③⑤	0.02
Volume scan	Not Required		Required		Not Required									

LTE Band 5 SPLSR – Top Position						
Scenario	Scenario No.7		Scenario No.9		Scenario No.10	
Top	1.709		1.845		1.734	
Distance [mm]	①-④⑥	101.1	①-②⑤	35.24	①-③④	101.1
	①-⑤	23.15	①-④⑥	101.1	①-③⑤	23.37
	④⑥-⑤	123.6	②⑤-④⑥	136	③④-③⑤	124
SPLSR ≤ 0.04 Limit	①-④⑥	0.02	①-②⑤	0.04	①-③④	0.02
	①-⑤	0.05	①-④⑥	0.02	①-③⑤	0.06
	④⑥-⑤	0.00	②⑤-④⑥	0.00	③④-③⑤	0.01
Volume scan	Required		Not Required		Required	

Note: Scenario No. 7 ~ 10 were analyzed according to the SPLSR hotspot combination procedure of the TCB Workshop Nov 2019.(Reference Section 12.5).

**LTE Band 5 SPLSR – Rear Position**

Scenario	Mode (Numbering)	SAR W/kg	Coordinates			Distance (mm)	SPLSR
			X	Y	Z		
Scenario No.4	LTE Band 5 (①)	0.906	-0.013	-0.138	-0.184	63.50	0.03
	Wi-Fi 2.4 GHz MIMO (③)	0.747	-0.076	-0.140	-0.178		



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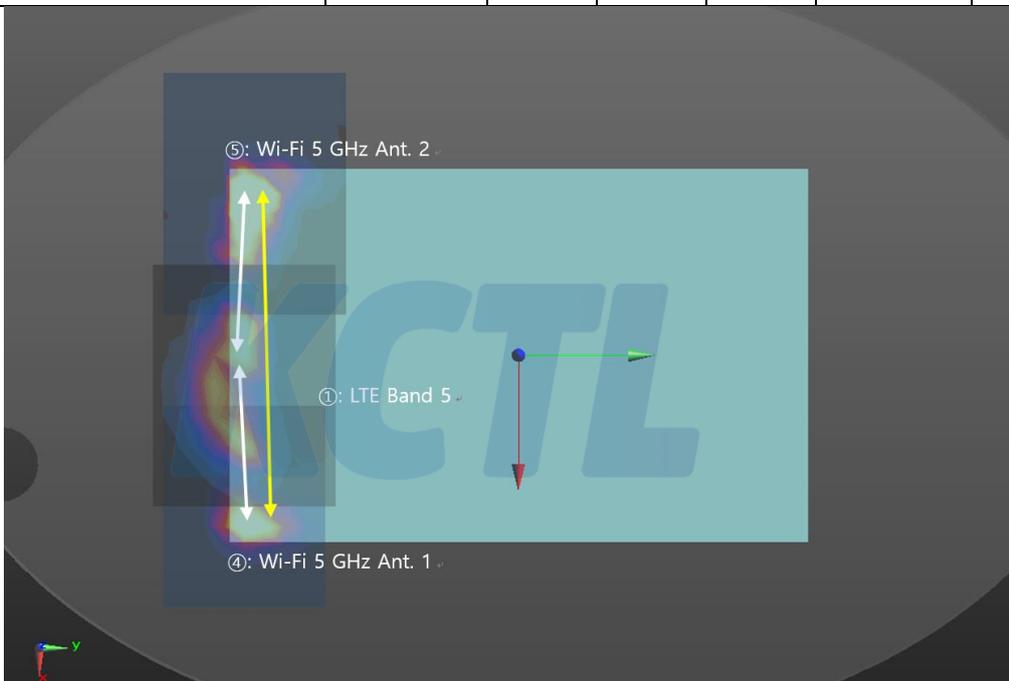
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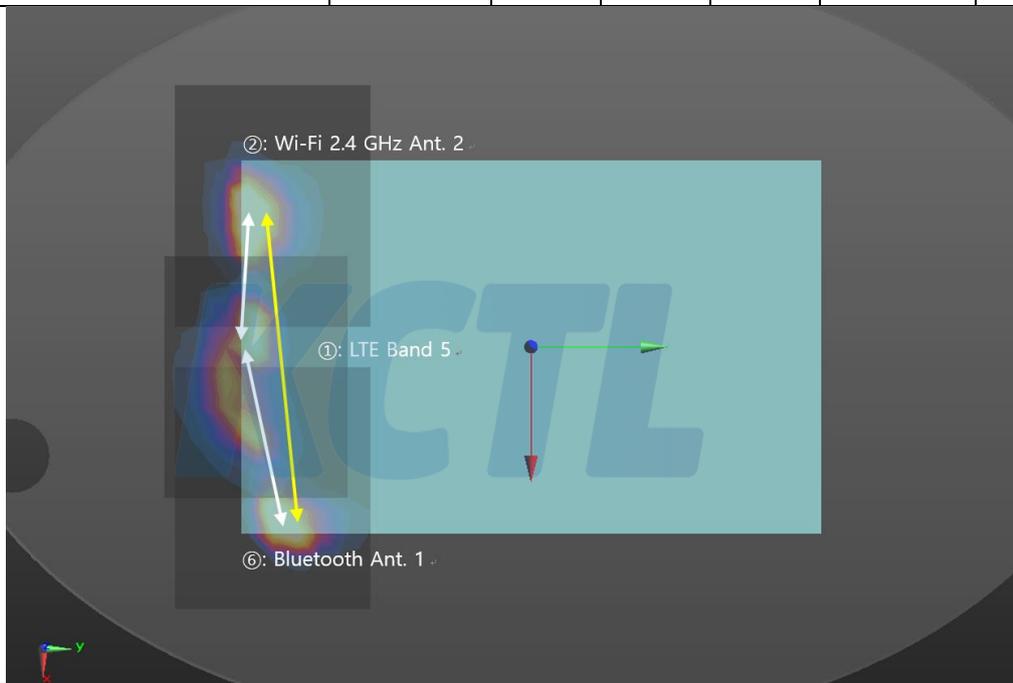
## LTE Band 5 SPLSR – Rear Position

Scenario	Mode (Numbering)	SAR W/kg	Coordinates			Distance (mm)	SPLSR
			X	Y	Z		
Scenario No.5	LTE Band 5 (①)	0.906	-0.013	-0.138	-0.184	98.53	0.02
	Wi-Fi 5 GHz Ant.1 (④)	0.482	0.085	-0.138	-0.179		
	LTE Band 5 (①)	0.906	-0.013	-0.138	-0.184	70.9	0.03
	Wi-Fi 5 GHz Ant.2 (⑤)	0.775	-0.083	-0.131	-0.179		
	Wi-Fi 5 GHz Ant.1 (④)	0.482	0.085	-0.138	-0.179	168.9	0.01
	Wi-Fi 5 GHz Ant.2 (⑤)	0.775	-0.083	-0.131	-0.179		



**LTE Band 5 SPLSR – Rear Position**

Scenario	Mode (Numbering)	SAR W/kg	Coordinates			Distance (mm)	SPLSR
			X	Y	Z		
Scenario No.6	LTE Band 5 (①)	0.906	-0.013	-0.138	-0.184	62.71	0.03
	Wi-Fi 2.4 GHz Ant.2 (②)	0.677	-0.075	-0.140	-0.178		
	LTE Band 5 (①)	0.906	-0.013	-0.138	-0.184	107.5	0.02
	Bluetooth Ant.1 (⑥)	0.568	0.093	-0.122	-0.178		
	Wi-Fi 2.4 GHz Ant.2 (②)	0.677	-0.075	-0.140	-0.178	169.5	0.01
	Bluetooth Ant.1 (⑥)	0.568	0.093	-0.122	-0.178		



**LTE Band 5 SPLSR – Rear Position**

Scenario	Mode (Numbering)	SAR W/kg	Coordinates			Distance (mm)	SPLSR
			X	Y	Z		
Scenario No.7	LTE Band 5 (①)	0.906	-0.013	-0.138	-0.184	97.81	0.02
	Wi-Fi 5 GHz Ant.1 (④) + Bluetooth Ant.1 (⑥)	0.886	0.084	-0.127	-0.178		
	LTE Band 5 (①)	0.906	-0.013	-0.138	-0.184	70.9	0.03
	Wi-Fi 5 GHz Ant.2 (⑤)	0.775	-0.083	-0.131	-0.179		
	Wi-Fi 5 GHz Ant.1 (④) + Bluetooth Ant.1 (⑥)	0.886	0.084	-0.127	-0.178	167.5	0.01
	Wi-Fi 5 GHz Ant.2 (⑤)	0.775	-0.083	-0.131	-0.179		

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## LTE Band 5 SPLSR – Rear Position

Scenario	Mode (Numbering)	SAR W/kg	Coordinates			Distance (mm)	SPLSR
			X	Y	Z		
Scenario No.8	LTE Band 5 (①)	0.906	-0.013	-0.138	-0.184	71.6	0.04
	Wi-Fi 5 GHz Ant.2 (⑤) + Bluetooth Ant.2 (⑦)	1.000	-0.084	-0.131	-0.178		
	LTE Band 5 (①)	0.906	-0.013	-0.138	-0.184	98.53	0.02
	Wi-Fi 5 GHz Ant.1 (④)	0.482	0.085	-0.138	-0.179		
	Wi-Fi 5 GHz Ant.1 (④)	0.482	0.085	-0.138	-0.179	169.5	0.01
	Wi-Fi 5 GHz Ant.2 (⑤) + Bluetooth Ant.2 (⑦)	1.000	-0.084	-0.131	-0.178		

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## LTE Band 5 SPLSR – Rear Position

Scenario	Mode (Numbering)	SAR W/kg	Coordinates			Distance (mm)	SPLSR
			X	Y	Z		
Scenario No.9	LTE Band 5 (①)	0.906	-0.013	-0.138	-0.184	39.47	0.07
	Wi-Fi 2.4 GHz Ant.2 (②) + Wi-Fi 5 GHz Ant.2 (⑤)	1.010	-0.052	-0.139	-0.178		
	LTE Band 5 (①)	0.906	-0.013	-0.138	-0.184	97.81	0.02
	Wi-Fi 5 GHz Ant.1 (④) + Bluetooth Ant. 1 (⑥)	0.886	0.084	-0.127	-0.178		
	Wi-Fi 2.4 GHz Ant.2 (②) + Wi-Fi 5 GHz Ant.2 (⑤)	1.010	-0.052	-0.139	-0.178	136.5	0.02
	Wi-Fi 5 GHz Ant.1 (④) + Bluetooth Ant. 1 (⑥)	0.886	0.084	-0.127	-0.178		

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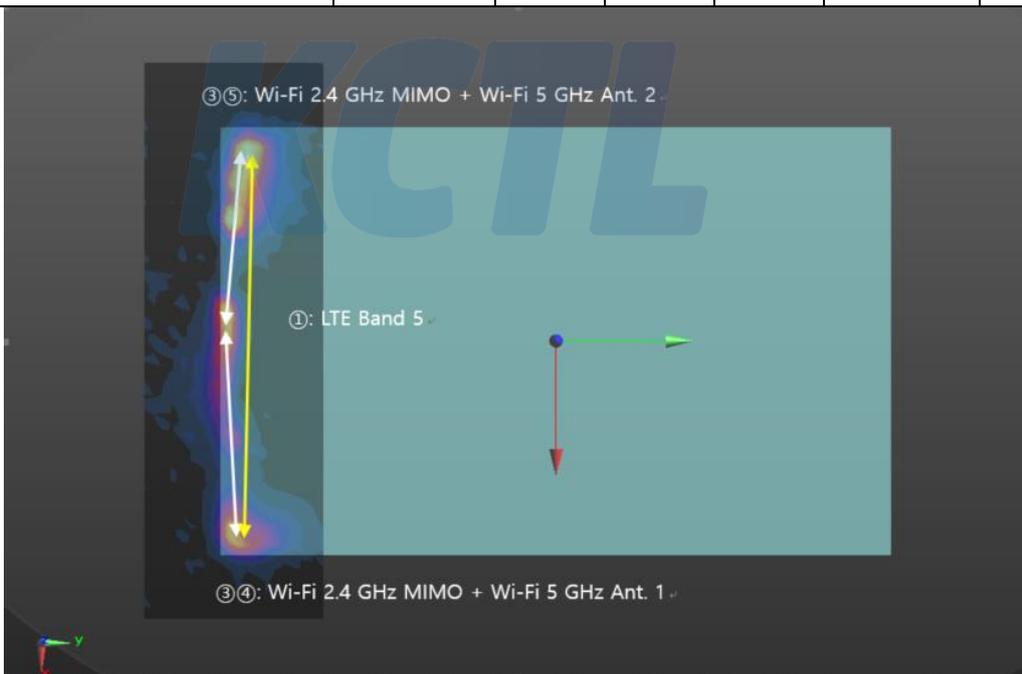
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## LTE Band 5 SPLSR – Rear Position

Scenario	Mode (Numbering)	SAR W/kg	Coordinates			Distance (mm)	SPLSR
			X	Y	Z		
Scenario No.10	LTE Band 5 (①)	0.906	-0.013	-0.138	-0.184	97.19	0.03
	Wi-Fi 2.4 GHz MIMO (③) + Wi-Fi 5 GHz Ant.1 (④)	0.926	0.084	-0.139	-0.178		
	LTE Band 5 (①)	0.906	-0.013	-0.138	-0.184	71.6	0.04
	Wi-Fi 2.4 GHz MIMO (③) + Wi-Fi 5 GHz Ant.2 (⑤)	1.240	-0.084	-0.131	-0.178		
	Wi-Fi 2.4 GHz MIMO (③) + Wi-Fi 5 GHz Ant.1 (④)	0.926	0.084	-0.139	-0.178	168.2	0.02
	Wi-Fi 2.4 GHz MIMO (③) + Wi-Fi 5 GHz Ant.2 (⑤)	1.240	-0.084	-0.131	-0.178		



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## LTE Band 5 SPLSR – Top Position

Scenario	Mode (Numbering)	SAR W/kg	Coordinates			Distance (mm)	SPLSR
			X	Y	Z		
Scenario No.7	LTE Band 5 (①)	0.945	0.000	-0.019	-0.185	101.1	0.02
	Wi-Fi 5 GHz Ant.1 (④) + Bluetooth Ant.1 (⑥)	0.486	0.001	0.082	-0.181		
	LTE Band 5 (①)	0.945	0.000	-0.019	-0.185	23.15	0.05
	Wi-Fi 5 GHz Ant.2 (⑤)	0.204	0.000	-0.042	-0.180		
	Wi-Fi 5 GHz Ant.1 (④) + Bluetooth Ant.1 (⑥)	0.486	0.001	0.082	-0.181	123.6	0.00
	Wi-Fi 5 GHz Ant.2 (⑤)	0.204	0.000	-0.042	-0.180		

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## LTE Band 5 SPLSR – Top Position

Scenario	Mode (Numbering)	SAR W/kg	Coordinates			Distance (mm)	SPLSR
			X	Y	Z		
Scenario No.9	LTE Band 5 (①)	0.945	0.000	-0.019	-0.185	35.24	0.04
	Wi-Fi 2.4 GHz Ant.2 (②) + Wi-Fi 5 GHz Ant.2 (⑤)	0.283	0.001	-0.054	-0.181		
	LTE Band 5 (①)	0.945	0.000	-0.019	-0.185	101.1	0.02
	Wi-Fi 5 GHz Ant.1 (④) + Bluetooth Ant. 1 (⑥)	0.486	0.001	0.082	-0.181		
	Wi-Fi 2.4 GHz Ant.2 (②) + Wi-Fi 5 GHz Ant.2 (⑤)	0.283	0.001	-0.054	-0.181	136.0	0.00
	Wi-Fi 5 GHz Ant.1 (④) + Bluetooth Ant. 1 (⑥)	0.486	0.001	0.082	-0.181		

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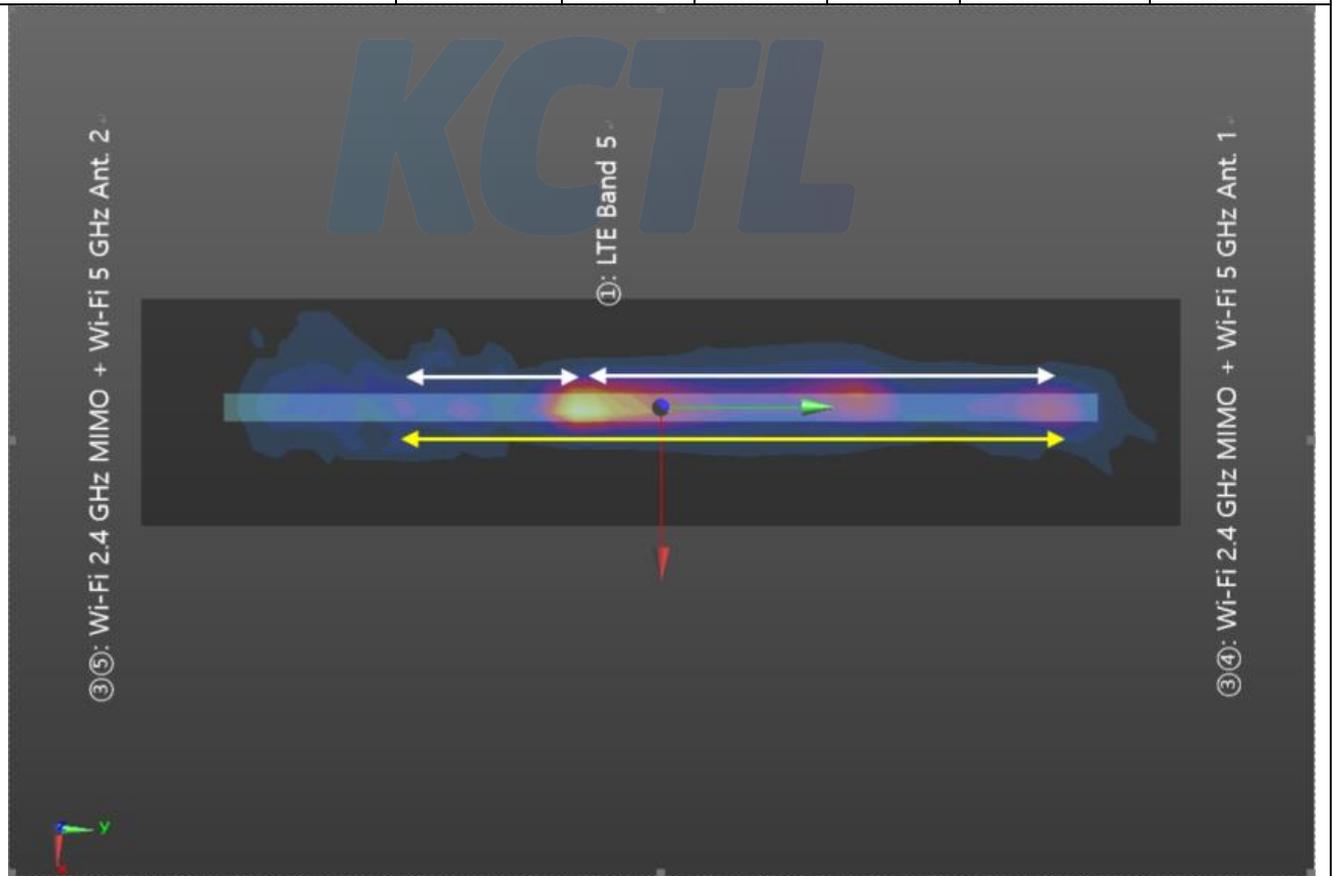
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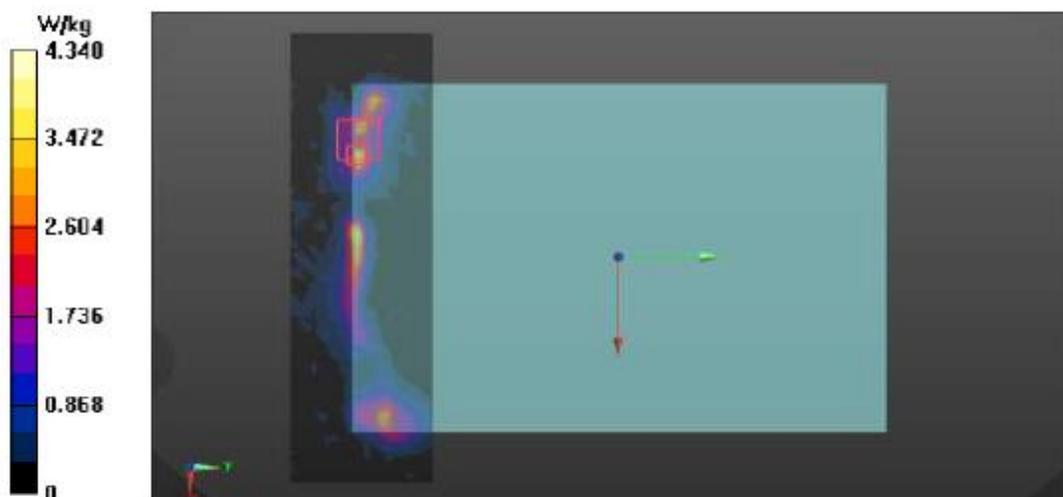
## LTE Band 5 SPLSR – Top Position

Scenario	Mode (Numbering)	SAR W/kg	Coordinates			Distance (mm)	SPLSR
			X	Y	Z		
Scenario No.10	LTE Band 5 (①)	0.945	0.000	-0.019	-0.185	101.1	0.02
	Wi-Fi 2.4 GHz MIMO (③) + Wi-Fi 5 GHz Ant.1 (④)	0.546	0.001	0.082	-0.181		
	LTE Band 5 (①)	0.945	0.000	-0.019	-0.185	23.37	0.06
	Wi-Fi 2.4 GHz MIMO (③) + Wi-Fi 5 GHz Ant.2 (⑤)	0.279	0.001	-0.042	-0.181		
	Wi-Fi 2.4 GHz MIMO (③) + Wi-Fi 5 GHz Ant.1 (④)	0.546	0.001	0.082	-0.181	124.0	0.01
	Wi-Fi 2.4 GHz MIMO (③) + Wi-Fi 5 GHz Ant.2 (⑤)	0.279	0.001	-0.042	-0.181		



**LTE Band 5 Volume Scan – Rear Position**

Scenario No.9

Licensed Band + WLAN 2.4 GHz Ant.2 + WLAN 5 GHz MIMO + Bluetooth Ant 1  
= 1.08 W/kg**Multi-Band Average SAR****Multi-Band Configurations:**DASY Configuration for Configuration/LTE Band 5\_QPSK\_10  
MHz\_25RB\_25offset\_CH20525\_Rear\_0 mm Grip Sensor On\_VS/Volume Scan:DASY Configuration for Configuration/802.11 ac\_VHT80\_WLAN2\_CH155\_Rear\_0  
mm Sensor On/Volume Scan:DASY Configuration for Configuration/802.11 b\_WLAN2\_CH1\_Rear\_0 mm Sensor  
On VS/Volume Scan:DASY Configuration for Configuration/802.11 ac\_VHT80\_WLAN1\_CH122\_Rear\_0  
mm Sensor On/Volume Scan:DASY Configuration for Configuration/Bluetooth\_GFSK\_DH5\_Ant.1\_CH0\_Rear\_0  
mm Sensor On/Volume Scan:**Multi Band Result:**SAR(1 g) = 1.08 W/kg; SAR(10 g) = 0.560 W/kg  
Maximum value of SAR (interpolated) = 4.34 W/kg

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## LTE Band 5 Volume Scan – Top Position

Scenario No.7

Licensed Band + WLAN 5 GHz MIMO + Bluetooth Ant 1  
= 0.958 W/kg

### Multi-Band Average SAR

#### Multi-Band Configurations:

DASY Configuration for Configuration 3/LTE Band 5\_QPSK\_10  
MHz\_50RB\_0offset\_CH20525\_Top\_0 mm Grip Sensor On\_VS/Volume Scan:

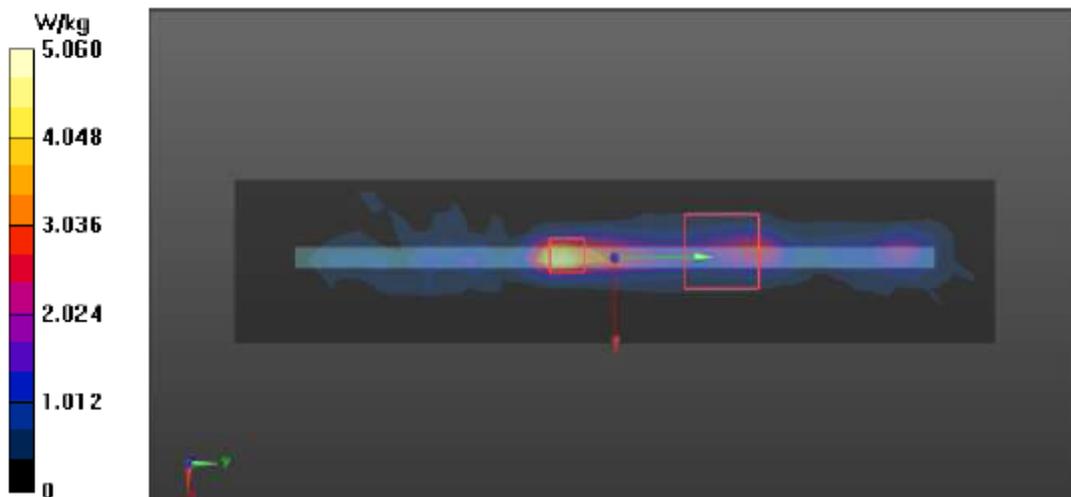
DASY Configuration for Configuration 5/802.11 ac\_VHT80\_WLAN1\_CH122\_Top\_0  
mm Sensor On\_VS/Volume Scan:

DASY Configuration for Configuration 5/Bluetooth\_GFSK\_DH5\_Ant.1\_CH0\_Top\_0  
mm Sensor On/Volume Scan:

DASY Configuration for Configuration 5/802.11 ac\_VHT80\_WLAN2\_CH155\_Top\_0  
mm Sensor On\_VS 2/Volume Scan:

#### Multi Band Result:

SAR(1 g) = 0.958 W/kg; SAR(10 g) = 0.394 W/kg  
Maximum value of SAR (interpolated) = 5.06 W/kg



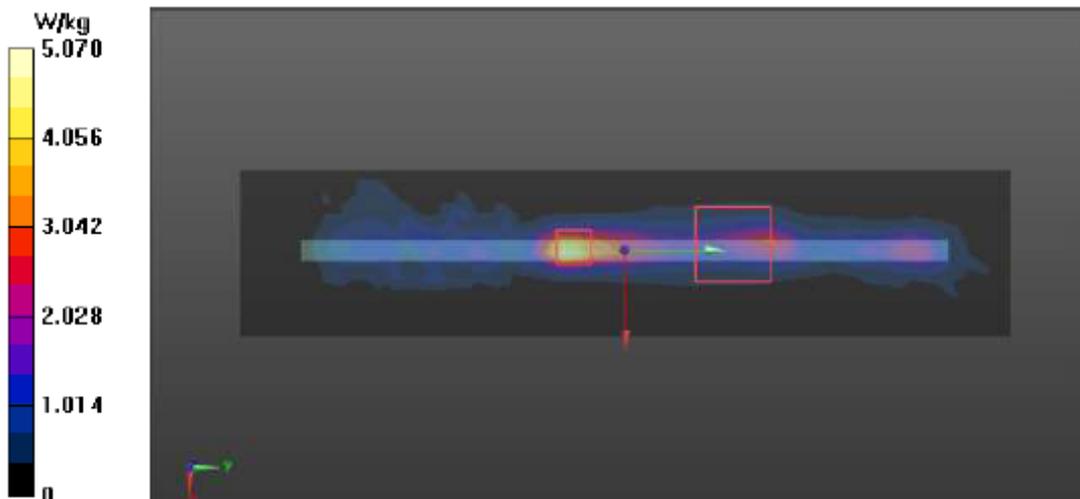
**LTE Band 5 Volume Scan – Top Position**

Scenario No.10

Licensed Band + WLAN 2.4 GHz MIMO + WLAN 5 GHz MIMO  
= 0.965 W/kg**Multi-Band Average SAR****Multi-Band Configurations:**DASY Configuration for Configuration 3/LTE Band 5\_QPSK\_10  
MHz\_50RB\_0offset\_CH20525\_Top\_0 mm Grip Sensor On\_VS/Volume Scan:DASY Configuration for Configuration 5/802.11\_b\_MIMO\_CH11\_Top\_0 mm  
Sensor On VS/Volume Scan:DASY Configuration for Configuration 5/802.11 ac\_VHT80\_WLAN1\_CH122\_Top\_0  
mm Sensor On\_VS/Volume Scan:DASY Configuration for Configuration 5/802.11 ac\_VHT80\_WLAN2\_CH155\_Top\_0  
mm Sensor On\_VS 2/Volume Scan:**Multi Band Result:**

SAR(1 g) = 0.965 W/kg; SAR(10 g) = 0.395 W/kg

Maximum value of SAR (interpolated) = 5.07 W/kg



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## 12.3.8 LTE Band 12 SPLSR and Volume Scan Analysis\_Sensor On

LTE Band 12 Simultaneous										
Scenario	Scenario No.1	Scenario No.2	Scenario No.3	Scenario No.4	Scenario No.5	Scenario No.6	Scenario No.7	Scenario No.8	Scenario No.9	Scenario No.10
SUM	①②	①⑥	①⑦	①③	①④⑤	①②⑥	①④⑤⑥	①④⑤⑦	①②④⑤⑥	①③④⑤
Rear	1.419	1.310	1.370	1.489	1.999	1.987	2.567	2.627	3.244	2.746
Left	0.162	0.091	0.570	0.154	0.687	0.162	0.687	1.166	0.758	0.750
Left Corner	0.465	0.800	0.528	0.478	0.762	0.865	1.162	0.890	1.227	0.840
Right	0.032	0.606	0.020	0.477	0.688	0.618	1.274	0.688	1.286	1.145
Right Corner	0.435	0.345	0.435	0.279	0.565	0.745	0.875	0.965	1.275	0.809
Top	0.766	0.893	0.735	0.918	1.131	1.029	1.394	1.236	1.530	1.419

Note: Yellow highlight cells require SPLSR or Volume Scan analysis.

LTE Band 12 SPLSR – Rear Position												
Scenario	Scenario No.5		Scenario No.6		Scenario No.7		Scenario No.8		Scenario No.9		Scenario No.10	
Rear	1.999		1.987		2.567		2.627		3.244		2.746	
Distance [mm]	①-④	97.6	①-②	63.7	①-④⑥	97.3	①-⑤⑦	73.1	①-②⑤	40.6	①-③④	96.2
	①-⑤	72.4	①-⑥	107	①-⑤	72.4	①-④	97.6	①-④⑥	97.3	①-③⑤	73.1
	④-⑤	169	②-⑥	169	④⑥-⑤	167	④-⑤⑦	170	②⑤-④⑥	137	③④-③⑤	168
SPLSR ≤ 0.04 Limit	①-④	0.01	①-②	0.03	①-④⑥	0.02	①-⑤⑦	0.03	①-②⑤	0.06	①-③④	0.02
	①-⑤	0.03	①-⑥	0.01	①-⑤	0.03	①-④	0.01	①-④⑥	0.02	①-③⑤	0.04
	④-⑤	0.01	②-⑥	0.01	④⑥-⑤	0.01	④-⑤⑦	0.01	②⑤-④⑥	0.02	③④-③⑤	0.02
Volume scan	Not Required		Not Required		Not Required		Not Required		Required		Not Required	

Note: Scenario No. 7 ~ 10 were analyzed according to the SPLSR hotspot combination procedure of the TCB Workshop Nov 2019.(Reference Section 12.5).

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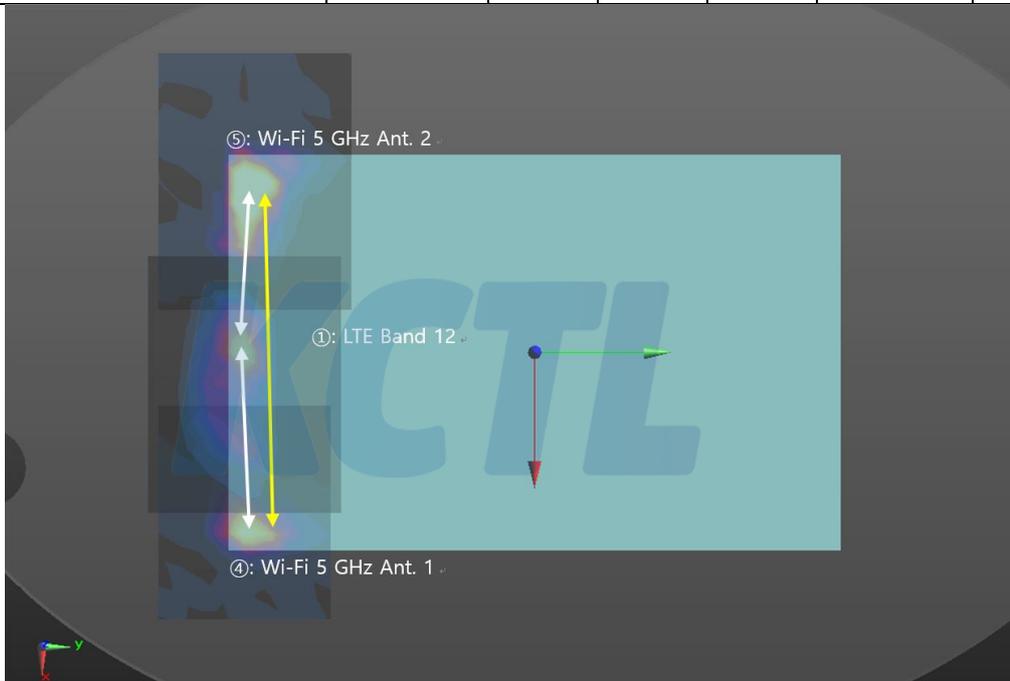
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## LTE Band 12 SPLSR – Rear Position

Scenario	Mode (Numbering)	SAR W/kg	Coordinates			Distance (mm)	SPLSR
			X	Y	Z		
Scenario No.5	LTE Band 12 (①)	0.742	-0.012	-0.142	-0.184	97.6	0.01
	Wi-Fi 5 GHz Ant.1 (④)	0.482	0.085	-0.138	-0.179		
	LTE Band 12 (①)	0.742	-0.012	-0.142	-0.184	72.4	0.03
	Wi-Fi 5 GHz Ant.2 (⑤)	0.775	-0.083	-0.131	-0.179		
	Wi-Fi 5 GHz Ant.1 (④)	0.482	0.085	-0.138	-0.179	169.0	0.01
	Wi-Fi 5 GHz Ant.2 (⑤)	0.775	-0.083	-0.131	-0.179		



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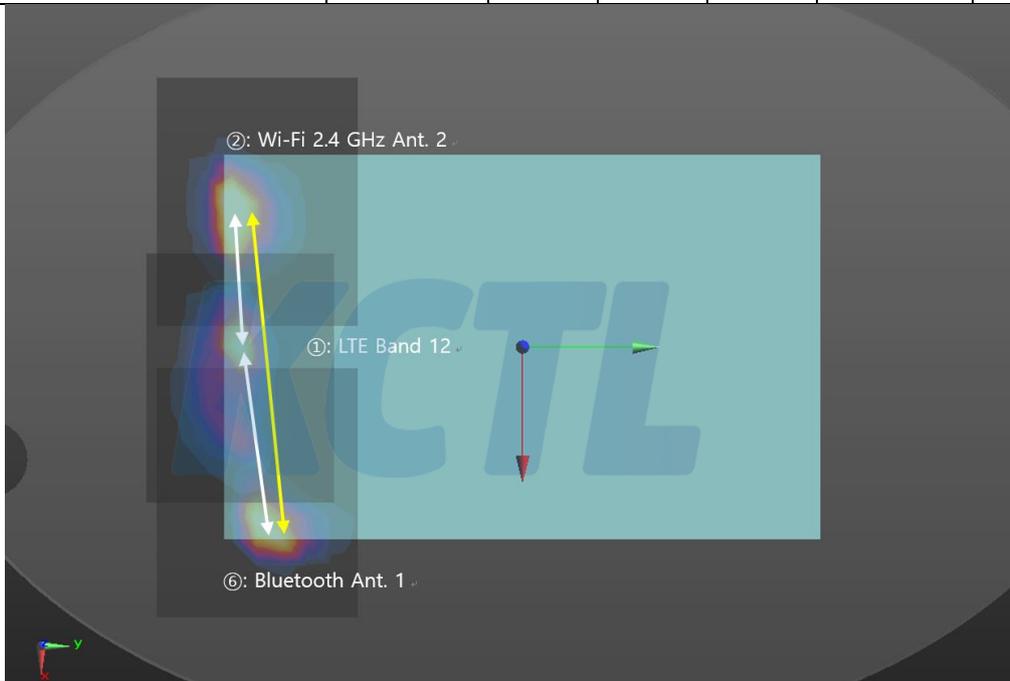
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## LTE Band 12 SPLSR – Rear Position

Scenario	Mode (Numbering)	SAR W/kg	Coordinates			Distance (mm)	SPLSR
			X	Y	Z		
Scenario No.6	LTE Band 12 (①)	0.742	-0.012	-0.142	-0.184	63.7	0.03
	Wi-Fi 2.4 GHz Ant.2 (②)	0.677	-0.075	-0.140	-0.178		
	LTE Band 12 (①)	0.742	-0.012	-0.142	-0.184	107.0	0.01
	Bluetooth Ant.1 (⑥)	0.568	0.093	-0.122	-0.178		
	Wi-Fi 2.4 GHz Ant.2 (②)	0.677	-0.075	-0.140	-0.178	169.0	0.01
	Bluetooth Ant.1 (⑥)	0.568	0.093	-0.122	-0.178		



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## LTE Band 12 SPLSR – Rear Position

Scenario	Mode (Numbering)	SAR W/kg	Coordinates			Distance (mm)	SPLSR
			X	Y	Z		
Scenario No.7	LTE Band 12 (①)	0.742	-0.012	-0.142	-0.184	97.3	0.02
	Wi-Fi 5 GHz Ant.1 (④) + Bluetooth Ant.1 (⑥)	0.886	0.084	-0.127	-0.178		
	LTE Band 12 (①)	0.742	-0.012	-0.142	-0.184	72.4	0.03
	Wi-Fi 5 GHz Ant.2 (⑤)	0.775	-0.083	-0.131	-0.179		
	Wi-Fi 5 GHz Ant.1 (④) + Bluetooth Ant.1 (⑥)	0.886	0.084	-0.127	-0.178	167.0	0.01
	Wi-Fi 5 GHz Ant.2 (⑤)	0.775	-0.083	-0.131	-0.179		

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## LTE Band 12 SPLSR – Rear Position

Scenario	Mode (Numbering)	SAR W/kg	Coordinates			Distance (mm)	SPLSR
			X	Y	Z		
Scenario No.8	LTE Band 12 (①)	0.742	-0.012	-0.142	-0.184	73.1	0.03
	Wi-Fi 5 GHz Ant.2 (⑤) + Bluetooth Ant.2 (⑦)	1.000	-0.084	-0.131	-0.178		
	LTE Band 12 (①)	0.742	-0.012	-0.142	-0.184	97.6	0.01
	Wi-Fi 5 GHz Ant.1 (④)	0.482	0.085	-0.138	-0.179		
	Wi-Fi 5 GHz Ant.1 (④)	0.482	0.085	-0.138	-0.179	170.0	0.01
	Wi-Fi 5 GHz Ant.2 (⑤) + Bluetooth Ant.2 (⑦)	1.000	-0.084	-0.131	-0.178		

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## LTE Band 12 SPLSR – Rear Position

Scenario	Mode (Numbering)	SAR W/kg	Coordinates			Distance (mm)	SPLSR
			X	Y	Z		
Scenario No.9	LTE Band 12 (①)	0.742	-0.012	-0.142	-0.184	40.6	0.06
	Wi-Fi 2.4 GHz Ant.2 (②) + Wi-Fi 5 GHz Ant.2 (⑤)	1.010	-0.052	-0.139	-0.178		
	LTE Band 12 (①)	0.742	-0.012	-0.142	-0.184	97.3	0.02
	Wi-Fi 5 GHz Ant.1 (④) + Bluetooth Ant.1 (⑥)	0.886	0.084	-0.127	-0.178		
	Wi-Fi 2.4 GHz Ant.2 (②) + Wi-Fi 5 GHz Ant.2 (⑤)	1.010	-0.052	-0.139	-0.178	137.0	0.02
	Wi-Fi 5 GHz Ant.1 (④) + Bluetooth Ant.1 (⑥)	0.886	0.084	-0.127	-0.178		

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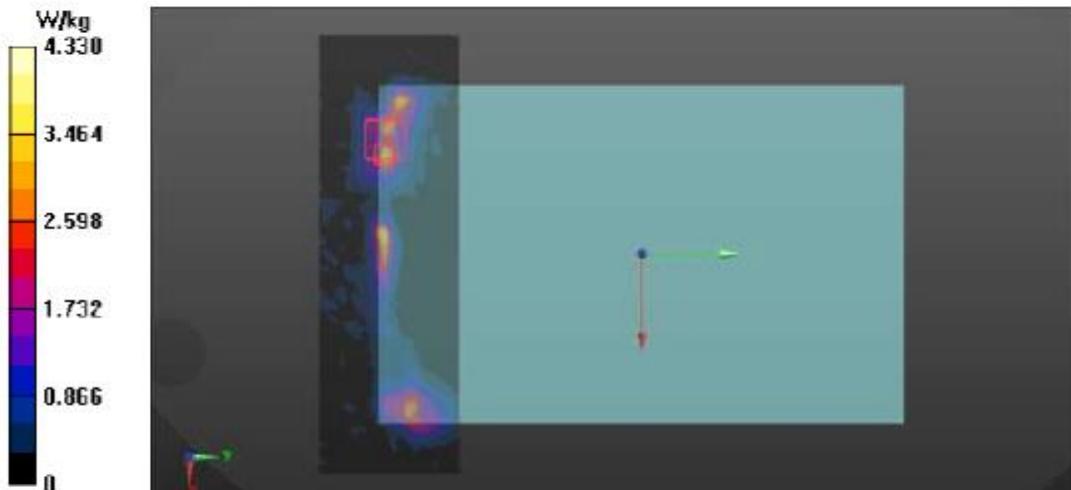


## LTE Band 12 SPLSR – Rear Position

Scenario	Mode (Numbering)	SAR W/kg	Coordinates			Distance (mm)	SPLSR
			X	Y	Z		
Scenario No.10	LTE Band 12 (①)	0.742	-0.012	-0.142	-0.184	96.2	0.02
	Wi-Fi 2.4 GHz MIMO (③) + Wi-Fi 5 GHz Ant.1 (④)	0.926	0.084	-0.139	-0.178		
	LTE Band 12 (①)	0.742	-0.012	-0.142	-0.184	73.1	0.04
	Wi-Fi 2.4 GHz MIMO (③) + Wi-Fi 5 GHz Ant.2 (⑤)	1.240	-0.084	-0.131	-0.178		
	Wi-Fi 2.4 GHz MIMO (③) + Wi-Fi 5 GHz Ant.1 (④)	0.926	0.084	-0.139	-0.178	168.0	0.02
	Wi-Fi 2.4 GHz MIMO (③) + Wi-Fi 5 GHz Ant.2 (⑤)	1.240	-0.084	-0.131	-0.178		

**LTE Band 12 Volume Scan – Rear Position**

Scenario No.9

Licensed Band + WLAN 2.4 GHz Ant.2 + WLAN 5 GHz MIMO + Bluetooth Ant 1  
= 1.07 W/kg**Multi-Band Average SAR****Multi-Band Configurations:**DASY Configuration for Configuration/LTE Band 12\_QPSK\_10  
MHz\_25RB\_12offset\_CH23095\_Rear\_0 mm Grip Sensor On\_VS/Volume Scan:DASY Configuration for Configuration/802.11 ac\_VHT80\_WLAN2\_CH155\_Rear\_0  
mm Sensor On/Volume Scan:DASY Configuration for Configuration/802.11 b\_WLAN2\_CH1\_Rear\_0 mm Sensor  
On VS/Volume Scan:DASY Configuration for Configuration/802.11 ac\_VHT80\_WLAN1\_CH122\_Rear\_0  
mm Sensor On/Volume Scan:DASY Configuration for Configuration/Bluetooth\_GFSK\_DH5\_Ant.1\_CH0\_Rear\_0  
mm Sensor On/Volume Scan:**Multi Band Result:**SAR(1 g) = 1.07 W/kg; SAR(10 g) = 0.557 W/kg  
Maximum value of SAR (interpolated) = 4.33 W/kg

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### 12.3.9 LTE Band 13 SPLSR and Volume Scan Analysis\_Sensor On

LTE Band 13 Simultaneous										
Scenario	Scenario No.1	Scenario No.2	Scenario No.3	Scenario No.4	Scenario No.5	Scenario No.6	Scenario No.7	Scenario No.8	Scenario No.9	Scenario No.10
SUM	①②	①⑥	①⑦	①③	①④⑤	①②⑥	①④⑤⑥	①④⑤⑦	①②④⑤⑥	①③④⑤
Rear	1.474	1.365	1.425	1.544	2.054	2.042	2.622	2.682	3.299	2.801
Left	0.225	0.154	0.633	0.217	0.750	0.225	0.750	1.229	0.821	0.813
Left Corner	0.465	0.800	0.528	0.478	0.762	0.865	1.162	0.890	1.227	0.840
Right	0.037	0.611	0.025	0.482	0.693	0.623	1.279	0.693	1.291	1.150
Right Corner	0.449	0.359	0.449	0.293	0.579	0.759	0.889	0.979	1.289	0.823
Top	0.982	1.109	0.951	1.134	1.347	1.245	1.610	1.452	1.746	1.635

Note: Yellow highlight cells require SPLSR or Volume Scan analysis.

LTE Band 13 SPLSR – Rear Position												
Scenario	Scenario No.5		Scenario No.6		Scenario No.7		Scenario No.8		Scenario No.9		Scenario No.10	
Rear	2.054		2.042		2.622		2.682		3.299		2.801	
Distance [mm]	①-④	95.09	①-②	66.19	①-④⑥	94.73	①-⑤⑦	75.41	①-②⑤	42.97	①-③④	93.71
	①-⑤	74.71	①-⑥	104.6	①-⑤	74.71	①-④	95.09	①-④⑥	94.73	①-③⑤	75.41
	④-⑤	168.9	②-⑥	169.5	④⑥-⑤	167.5	④-⑤⑦	169.5	②⑤-④⑥	136.5	③④-③⑤	168.2
SPLSR ≤ 0.04 Limit	①-④	0.02	①-②	0.03	①-④⑥	0.02	①-⑤⑦	0.03	①-②⑤	0.06	①-③④	0.02
	①-⑤	0.03	①-⑥	0.02	①-⑤	0.03	①-④	0.02	①-④⑥	0.02	①-③⑤	0.04
	④-⑤	0.01	②-⑥	0.01	④⑥-⑤	0.01	④-⑤⑦	0.01	②⑤-④⑥	0.02	③④-③⑤	0.02
Volume scan	Not Required		Not Required		Not Required		Not Required		Required		Not Required	
LTE Band 13 SPLSR – Top Position												
Scenario	Scenario No.7			Scenario No.9			Scenario No.10					
Top	1.610			1.746			1.635					
Distance [mm]	①-④⑥	102.6			①-②⑤	33.75			①-③④	102.6		
	①-⑤	21.68			①-④⑥	102.6			①-③⑤	21.89		
	④⑥-⑤	123.6			②⑤-④⑥	136.0			③④-③⑤	124.0		
SPLSR ≤ 0.04 Limit	①-④⑥	0.01			①-②⑤	0.04			①-③④	0.02		
	①-⑤	0.05			①-④⑥	0.01			①-③⑤	0.05		
	④⑥-⑤	0.00			②⑤-④⑥	0.00			③④-③⑤	0.01		
Volume scan	Required			Not Required			Required					

Note: Scenario No. 7 ~ 10 were analyzed according to the SPLSR hotspot combination procedure of the TCB Workshop Nov 2019.(Reference Section 12.5).

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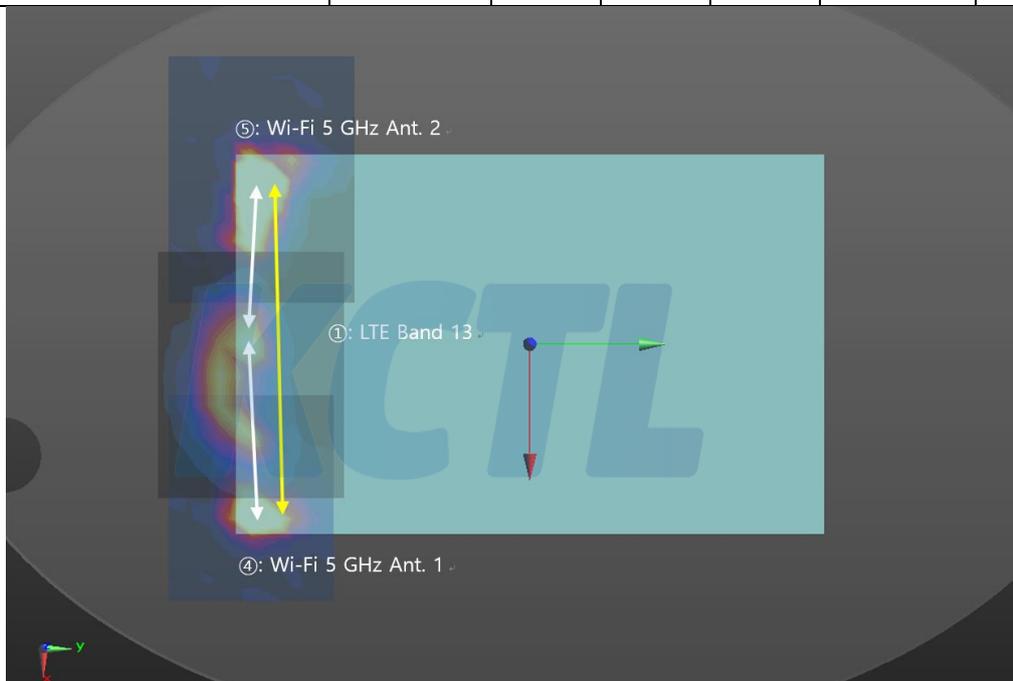
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## LTE Band 13 SPLSR – Rear Position

Scenario	Mode (Numbering)	SAR W/kg	Coordinates			Distance (mm)	SPLSR
			X	Y	Z		
Scenario No.5	LTE Band 13 (①)	0.797	-0.010	-0.141	-0.184	95.09	0.02
	Wi-Fi 5 GHz Ant.1 (④)	0.482	0.085	-0.138	-0.179		
	LTE Band 13 (①)	0.797	-0.010	-0.141	-0.184	74.71	0.03
	Wi-Fi 5 GHz Ant.2 (⑤)	0.775	-0.083	-0.131	-0.179		
	Wi-Fi 5 GHz Ant.1 (④)	0.482	0.085	-0.138	-0.179	168.9	0.01
	Wi-Fi 5 GHz Ant.2 (⑤)	0.775	-0.083	-0.131	-0.179		



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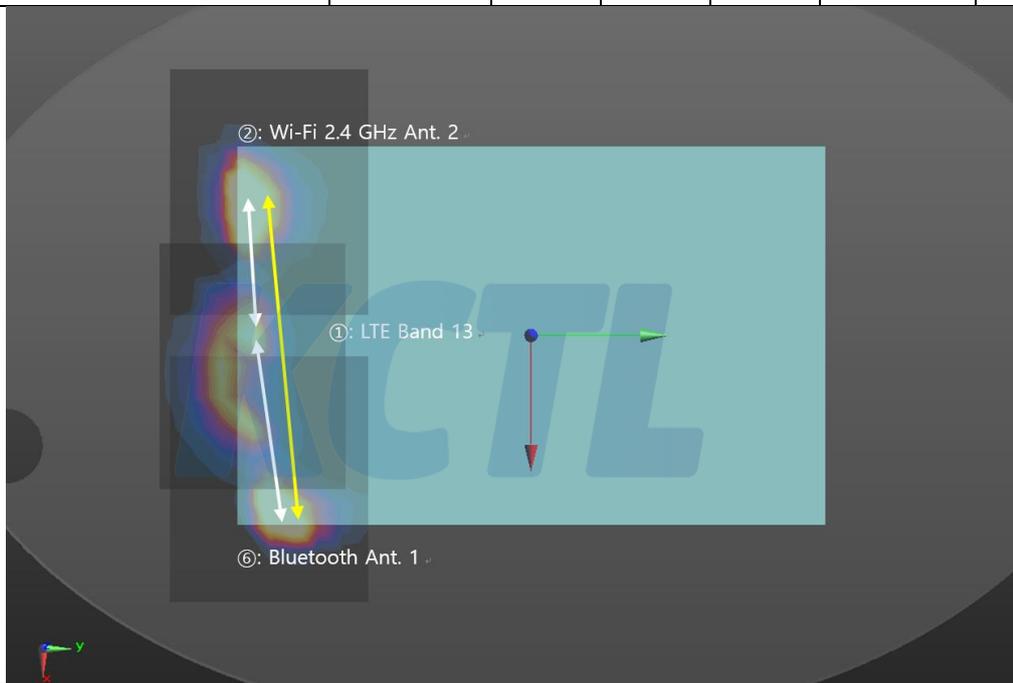
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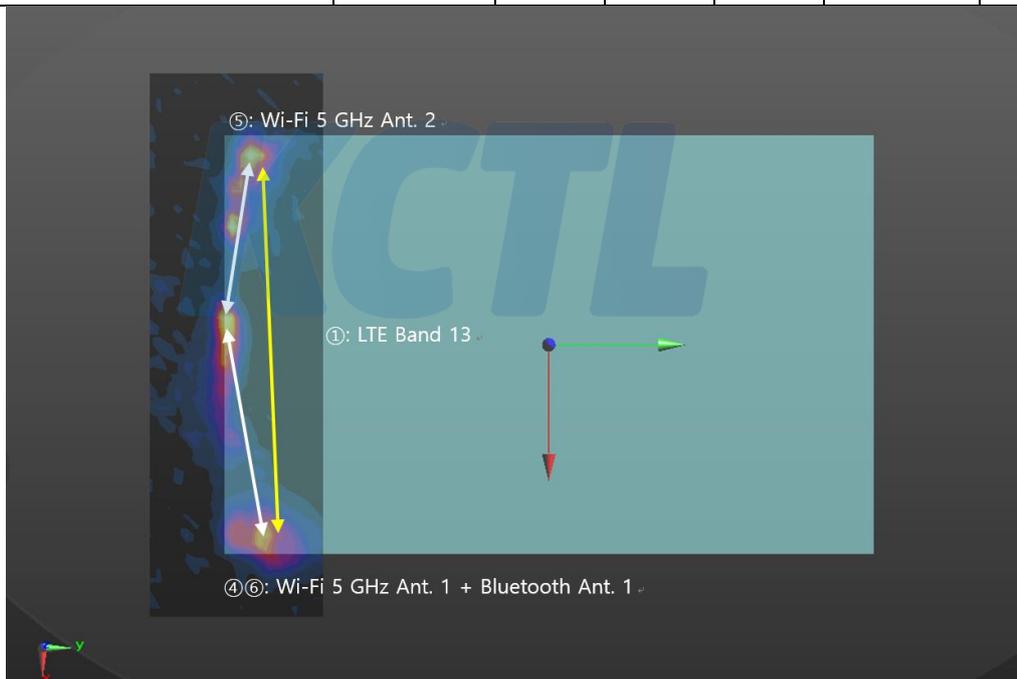
## LTE Band 13 SPLSR – Rear Position

Scenario	Mode (Numbering)	SAR W/kg	Coordinates			Distance (mm)	SPLSR
			X	Y	Z		
Scenario No.6	LTE Band 13 (①)	0.797	-0.010	-0.141	-0.184	66.19	0.03
	Wi-Fi 2.4 GHz Ant.2 (②)	0.677	-0.075	-0.140	-0.178		
	LTE Band 13 (①)	0.797	-0.010	-0.141	-0.184	104.6	0.02
	Bluetooth Ant.1 (⑥)	0.568	0.093	-0.122	-0.178		
	Wi-Fi 2.4 GHz Ant.2 (②)	0.677	-0.075	-0.140	-0.178	169.5	0.01
	Bluetooth Ant.1 (⑥)	0.568	0.093	-0.122	-0.178		



**LTE Band 13 SPLSR – Rear Position**

Scenario	Mode (Numbering)	SAR W/kg	Coordinates			Distance (mm)	SPLSR
			X	Y	Z		
Scenario No.7	LTE Band 13 (①)	0.797	-0.010	-0.141	-0.184	94.73	0.02
	Wi-Fi 5 GHz Ant.1 (④) + Bluetooth Ant.1 (⑥)	0.886	0.084	-0.127	-0.178		
	LTE Band 13 (①)	0.797	-0.010	-0.141	-0.184	74.71	0.03
	Wi-Fi 5 GHz Ant.2 (⑤)	0.775	-0.083	-0.131	-0.179		
	Wi-Fi 5 GHz Ant.1 (④) + Bluetooth Ant.1 (⑥)	0.886	0.084	-0.127	-0.178	167.5	0.01
	Wi-Fi 5 GHz Ant.2 (⑤)	0.775	-0.083	-0.131	-0.179		



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## LTE Band 13 SPLSR – Rear Position

Scenario	Mode (Numbering)	SAR W/kg	Coordinates			Distance (mm)	SPLSR
			X	Y	Z		
Scenario No.8	LTE Band 13 (①)	0.797	-0.010	-0.141	-0.184	75.41	0.03
	Wi-Fi 5 GHz Ant.2 (⑤) + Bluetooth Ant.2 (⑦)	1.000	-0.084	-0.131	-0.178		
	LTE Band 13 (①)	0.797	-0.010	-0.141	-0.184	95.09	0.02
	Wi-Fi 5 GHz Ant.1 (④)	0.482	0.085	-0.138	-0.179		
	Wi-Fi 5 GHz Ant.1 (④)	0.482	0.085	-0.138	-0.179	169.5	0.01
	Wi-Fi 5 GHz Ant.2 (⑤) + Bluetooth Ant.2 (⑦)	1.000	-0.084	-0.131	-0.178		

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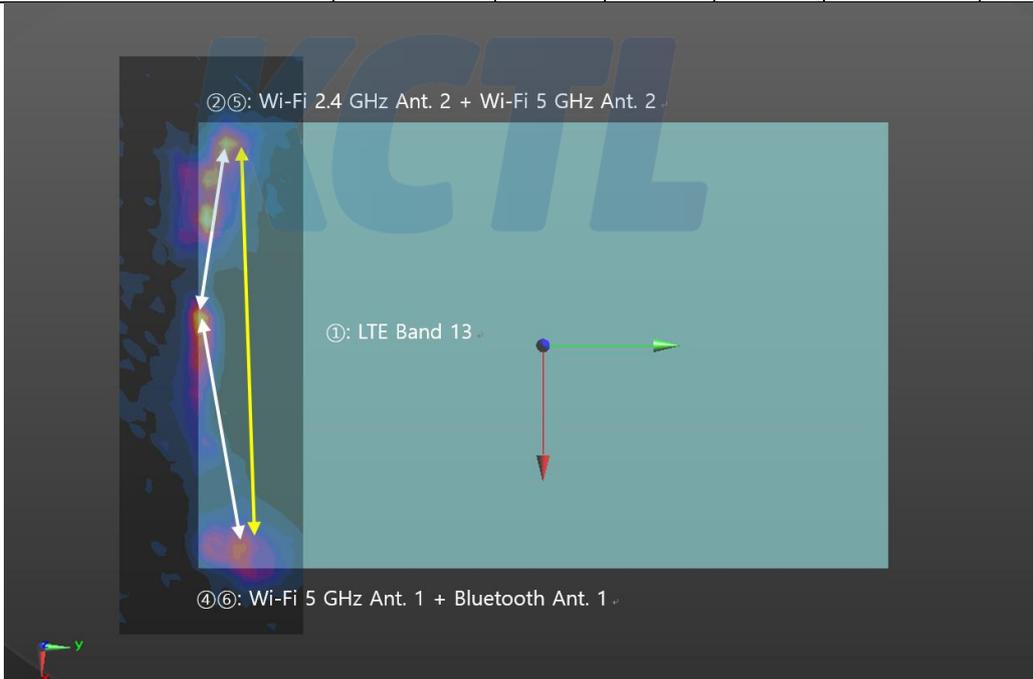
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## LTE Band 13 SPLSR – Rear Position

Scenario	Mode (Numbering)	SAR W/kg	Coordinates			Distance (mm)	SPLSR
			X	Y	Z		
Scenario No.9	LTE Band 13 (①)	0.797	-0.010	-0.141	-0.184	42.97	0.06
	Wi-Fi 2.4 GHz Ant.2 (②) + Wi-Fi 5 GHz Ant.2 (⑤)	1.010	-0.052	-0.139	-0.178		
	LTE Band 13 (①)	0.797	-0.010	-0.141	-0.184	94.73	0.02
	Wi-Fi 5 GHz Ant.1 (④) + Bluetooth Ant. 1 (⑥)	0.886	0.084	-0.127	-0.178		
	Wi-Fi 2.4 GHz Ant.2 (②) + Wi-Fi 5 GHz Ant.2 (⑤)	1.010	-0.052	-0.139	-0.178	136.5	0.02
	Wi-Fi 5 GHz Ant.1 (④) + Bluetooth Ant. 1 (⑥)	0.886	0.084	-0.127	-0.178		



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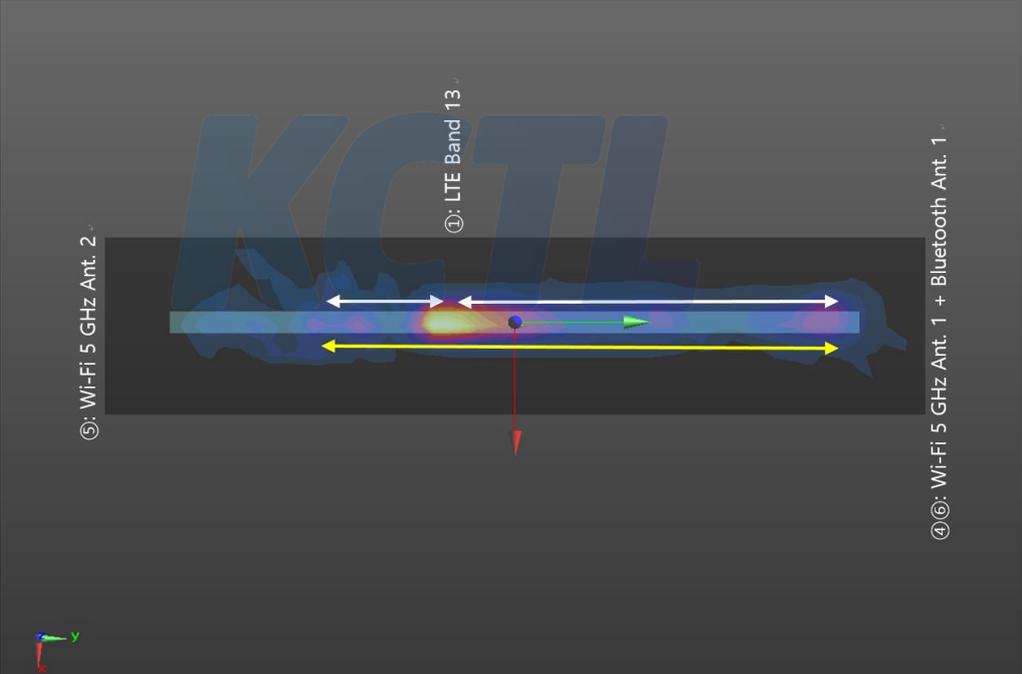
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## LTE Band 13 SPLSR – Rear Position

Scenario	Mode (Numbering)	SAR W/kg	Coordinates			Distance (mm)	SPLSR
			X	Y	Z		
Scenario No.10	LTE Band 13 (①)	0.797	-0.010	-0.141	-0.184	93.71	0.02
	Wi-Fi 2.4 GHz MIMO (③) + Wi-Fi 5 GHz Ant.1 (④)	0.926	0.084	-0.139	-0.178		
	LTE Band 13 (①)	0.797	-0.010	-0.141	-0.184	75.41	0.04
	Wi-Fi 2.4 GHz MIMO (③) + Wi-Fi 5 GHz Ant.2 (⑤)	1.240	-0.084	-0.131	-0.178		
	Wi-Fi 2.4 GHz MIMO (③) + Wi-Fi 5 GHz Ant.1 (④)	0.926	0.084	-0.139	-0.178	168.2	0.02
	Wi-Fi 2.4 GHz MIMO (③) + Wi-Fi 5 GHz Ant.2 (⑤)	1.240	-0.084	-0.131	-0.178		

**LTE Band 13 SPLSR – Top Position**

Scenario	Mode (Numbering)	SAR W/kg	Coordinates			Distance (mm)	SPLSR
			X	Y	Z		
Scenario No.7	LTE Band 13 (①)	0.846	0.000	-0.021	-0.185	<b>102.6</b>	0.01
	Wi-Fi 5 GHz Ant.1 (④) + Bluetooth Ant.1 (⑥)	0.486	0.001	0.082	-0.181		
	LTE Band 13 (①)	0.846	0.000	-0.021	-0.185	<b>21.68</b>	0.05
	Wi-Fi 5 GHz Ant.2 (⑤)	0.204	0.000	-0.042	-0.180		
	Wi-Fi 5 GHz Ant.1 (④) + Bluetooth Ant.1 (⑥)	0.486	0.001	0.082	-0.181	<b>123.6</b>	0.00
	Wi-Fi 5 GHz Ant.2 (⑤)	0.204	0.000	-0.042	-0.180		
							

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## LTE Band 13 SPLSR – Top Position

Scenario	Mode (Numbering)	SAR W/kg	Coordinates			Distance (mm)	SPLSR
			X	Y	Z		
Scenario No.9	LTE Band 13 (①)	0.846	0.000	-0.021	-0.185	33.75	0.04
	Wi-Fi 2.4 GHz Ant.2 (②) + Wi-Fi 5 GHz Ant.2 (⑤)	0.283	0.001	-0.054	-0.181		
	LTE Band 13 (①)	0.846	0.000	-0.021	-0.185	102.6	0.01
	Wi-Fi 5 GHz Ant.1 (④) + Bluetooth Ant.1 (⑥)	0.486	0.001	0.082	-0.181		
	Wi-Fi 2.4 GHz Ant.2 (②) + Wi-Fi 5 GHz Ant.2 (⑤)	0.283	0.001	-0.054	-0.181	136.0	0.00
	Wi-Fi 5 GHz Ant.1 (④) + Bluetooth Ant.1 (⑥)	0.486	0.001	0.082	-0.181		

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## LTE Band 13 SPLSR – Top Position

Scenario	Mode (Numbering)	SAR W/kg	Coordinates			Distance (mm)	SPLSR
			X	Y	Z		
Scenario No.10	LTE Band 13 (①)	0.846	0.000	-0.021	-0.185	102.6	0.02
	Wi-Fi 2.4 GHz MIMO (③) + Wi-Fi 5 GHz Ant.1 (④)	0.546	0.001	0.082	-0.181		
	LTE Band 13 (①)	0.846	0.000	-0.021	-0.185	21.89	0.05
	Wi-Fi 2.4 GHz MIMO (③) + Wi-Fi 5 GHz Ant.2 (⑤)	0.279	0.001	-0.042	-0.181		
	Wi-Fi 2.4 GHz MIMO (③) + Wi-Fi 5 GHz Ant.1 (④)	0.546	0.001	0.082	-0.181	124.0	0.01
	Wi-Fi 2.4 GHz MIMO (③) + Wi-Fi 5 GHz Ant.2 (⑤)	0.279	0.001	-0.042	-0.181		

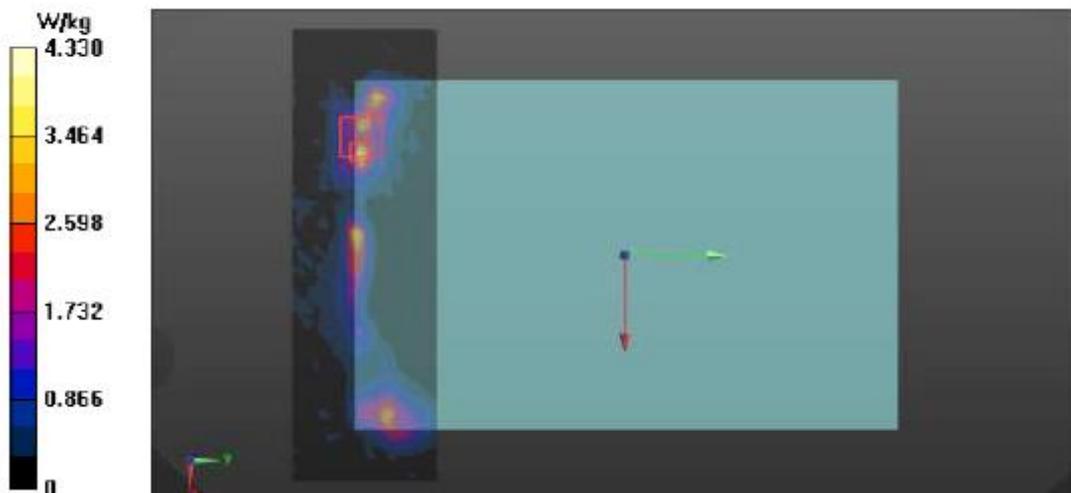
**LTE Band 13 Volume Scan – Rear Position**

Scenario No.9

Licensed Band + WLAN 2.4 GHz Ant.2 + WLAN 5 GHz MIMO + Bluetooth Ant 1  
= 1.08 W/kg**Multi-Band Average SAR****Multi-Band Configurations:**DASY Configuration for Configuration/802.11 ac\_VHT80\_WLAN2\_CH155\_Rear\_0  
mm Sensor On/Volume Scan:DASY Configuration for Configuration/LTE Band 13\_QPSK\_10  
MHz\_25RB\_12offset\_CH23230\_Rear\_0 mm Grip Sensor On\_VS/Volume Scan:DASY Configuration for Configuration/802.11 b\_WLAN2\_CH1\_Rear\_0 mm Sensor  
On VS/Volume Scan:DASY Configuration for Configuration/802.11 ac\_VHT80\_WLAN1\_CH122\_Rear\_0  
mm Sensor On/Volume Scan:DASY Configuration for Configuration/Bluetooth\_GFSK\_DH5\_Ant.1\_CH0\_Rear\_0  
mm Sensor On/Volume Scan:**Multi Band Result:**

SAR(1 g) = 1.08 W/kg; SAR(10 g) = 0.558 W/kg

Maximum value of SAR (interpolated) = 4.33 W/kg



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## LTE Band 13 Volume Scan – Top Position

Scenario No.7

Licensed Band + WLAN 5 GHz MIMO + Bluetooth Ant 1  
= 0.887 W/kg

### Multi-Band Average SAR

#### Multi-Band Configurations:

DASY Configuration for Configuration 3/LTE Band 13\_QPSK\_10  
MHz\_50RB\_0offset\_CH23230\_Top\_0 mm Grip Sensor On\_VS/Volume Scan:

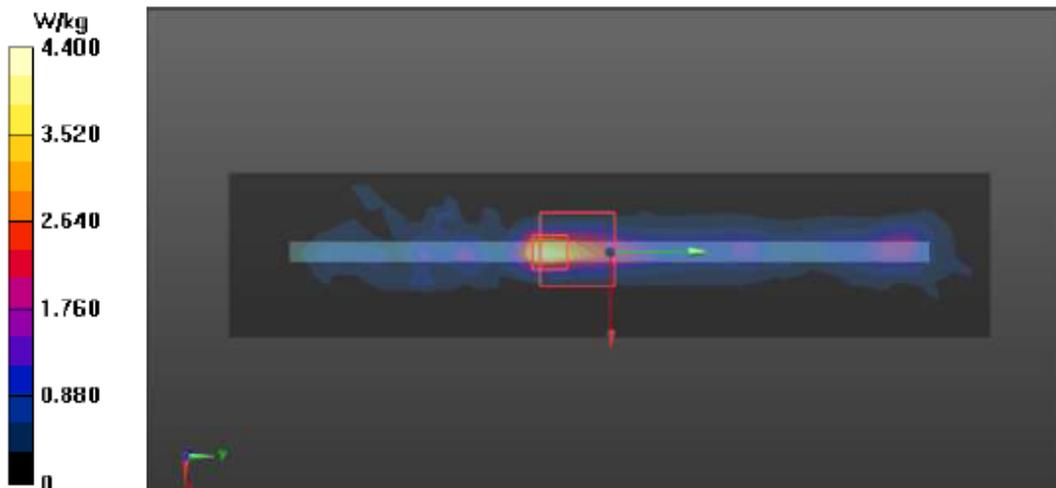
DASY Configuration for Configuration 5/802.11 ac\_VHT80\_WLAN1\_CH122\_Top\_0  
mm Sensor On\_VS/Volume Scan:

DASY Configuration for Configuration 5/Bluetooth\_GFSK\_DH5\_Ant.1\_CH0\_Top\_0  
mm Sensor On/Volume Scan:

DASY Configuration for Configuration 5/802.11 ac\_VHT80\_WLAN2\_CH155\_Top\_0  
mm Sensor On\_VS 2/Volume Scan:

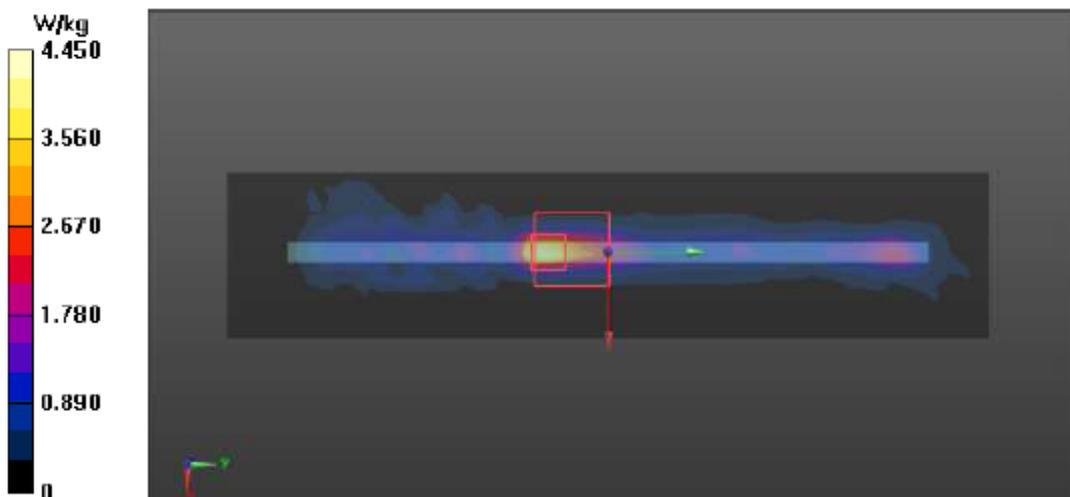
#### Multi Band Result:

SAR(1 g) = 0.887 W/kg; SAR(10 g) = 0.328 W/kg  
Maximum value of SAR (interpolated) = 4.40 W/kg



**LTE Band 13 Volume Scan – Top Position**

Scenario No.10

Licensed Band + WLAN 2.4 GHz MIMO + WLAN 5 GHz MIMO  
= 0.899 W/kg**Multi-Band Average SAR****Multi-Band Configurations:**DASY Configuration for Configuration 3/LTE Band 13\_QPSK\_10  
MHz\_50RB\_0offset\_CH23230\_Top\_0 mm Grip Sensor On\_VS/Volume Scan:DASY Configuration for Configuration 5/802.11\_b\_MIMO\_CH11\_Top\_0 mm  
Sensor On VS/Volume Scan:DASY Configuration for Configuration 5/802.11 ac\_VHT80\_WLAN1\_CH122\_Top\_0  
mm Sensor On\_VS/Volume Scan:DASY Configuration for Configuration 5/802.11 ac\_VHT80\_WLAN2\_CH155\_Top\_0  
mm Sensor On\_VS 2/Volume Scan:**Multi Band Result:**SAR(1 g) = 0.899 W/kg; SAR(10 g) = 0.332 W/kg  
Maximum value of SAR (interpolated) = 4.45 W/kg

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## 12.3.10 LTE Band 25 SPLSR and Volume Scan Analysis\_Sensor On

LTE Band 25 Simultaneous										
Scenario	Scenario No.1	Scenario No.2	Scenario No.3	Scenario No.4	Scenario No.5	Scenario No.6	Scenario No.7	Scenario No.8	Scenario No.9	Scenario No.10
SUM	①②	①⑥	①⑦	①③	①④⑤	①②⑥	①④⑤⑥	①④⑤⑦	①②④⑤⑥	①③④⑤
Rear	1.578	1.469	1.529	1.648	2.158	2.146	2.726	2.786	3.403	2.905
Left	0.424	0.353	0.832	0.416	0.949	0.424	0.949	1.428	1.020	1.012
Left Corner	0.465	0.800	0.528	0.478	0.762	0.865	1.162	0.890	1.227	0.840
Right	0.076	0.650	0.064	0.521	0.732	0.662	1.318	0.732	1.330	1.189
Right Corner	0.518	0.428	0.518	0.362	0.648	0.828	0.958	1.048	1.358	0.892
Top	1.053	1.180	1.022	1.205	1.418	1.316	1.681	1.523	1.817	1.706

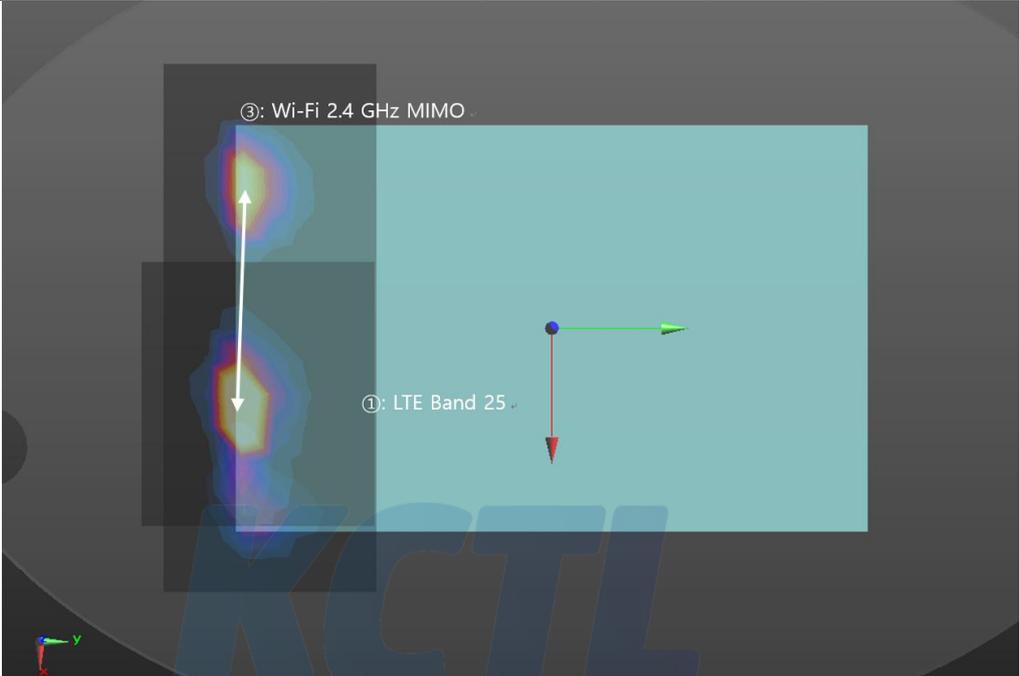
Note: Yellow highlight cells require SPLSR or Volume Scan analysis.

LTE Band 25 SPLSR – Rear Position														
Scenario	Scenario No.4		Scenario No.5		Scenario No.6		Scenario No.7		Scenario No.8		Scenario No.9		Scenario No.10	
Rear	1.648		2.158		2.146		2.726		2.786		3.403		2.905	
Distance [mm]	①-③	114	①-④	48.0	①-②	113.0	①-④⑥	48.2	①-⑤⑦	122.0	①-②⑤	89.6	①-③④	46.7
	N/A		①-⑤	121.0	①-⑥	58.3	①-⑤	121.0	①-④	48.0	①-④⑥	48.2	①-③⑤	122.0
			④-⑤	169.0	②-⑥	169.0	④⑥-⑤	167.0	④-⑤⑦	170.0	②⑤-④⑥	137.0	③④-③⑤	168.0
SPLSR ≤ 0.04 Limit	①-③	0.02	①-④	0.03	①-②	0.02	①-④⑥	0.05	①-⑤⑦	0.02	①-②⑤	0.03	①-③④	0.05
	N/A		①-⑤	0.02	①-⑥	0.03	①-⑤	0.02	①-④	0.03	①-④⑥	0.05	①-③⑤	0.03
			④-⑤	0.01	②-⑥	0.01	④⑥-⑤	0.01	④-⑤⑦	0.01	②⑤-④⑥	0.02	③④-③⑤	0.02
Volume scan	Not Required		Not Required		Not Required		Required		Not Required		Required		Required	
LTE Band 25 SPLSR – Top Position														
Scenario	Scenario No.7				Scenario No.9				Scenario No.10					
Top	1.681				1.817				1.706					
Distance [mm]	①-④⑥		38.1		①-②⑤		98.0		①-③④		38.1			
	①-⑤		85.7		①-④⑥		38.1		①-③⑤		86.1			
	④⑥-⑤		124.0		②⑤-④⑥		136.0		③④-③⑤		124.0			
SPLSR ≤ 0.04 Limit	①-④⑥		0.04		①-②⑤		0.01		①-③④		0.05			
	①-⑤		0.01		①-④⑥		0.04		①-③⑤		0.02			
	④⑥-⑤		0.00		②⑤-④⑥		0.00		③④-③⑤		0.01			
Volume scan	Not Required				Not Required				Required					

Note: Scenario No. 7 ~ 10 were analyzed according to the SPLSR hotspot combination procedure of the TCB Workshop Nov 2019.(Reference Section 12.5).

**LTE Band 25 SPLSR – Rear Position**

Scenario	Mode (Numbering)	SAR W/kg	Coordinates			Distance (mm)	SPLSR
			X	Y	Z		
Scenario No.4	LTE Band 25 (①)	0.901	0.038	-0.139	-0.182	114.0	0.02
	Wi-Fi 2.4 GHz MIMO (③)	0.747	-0.076	-0.140	-0.178		

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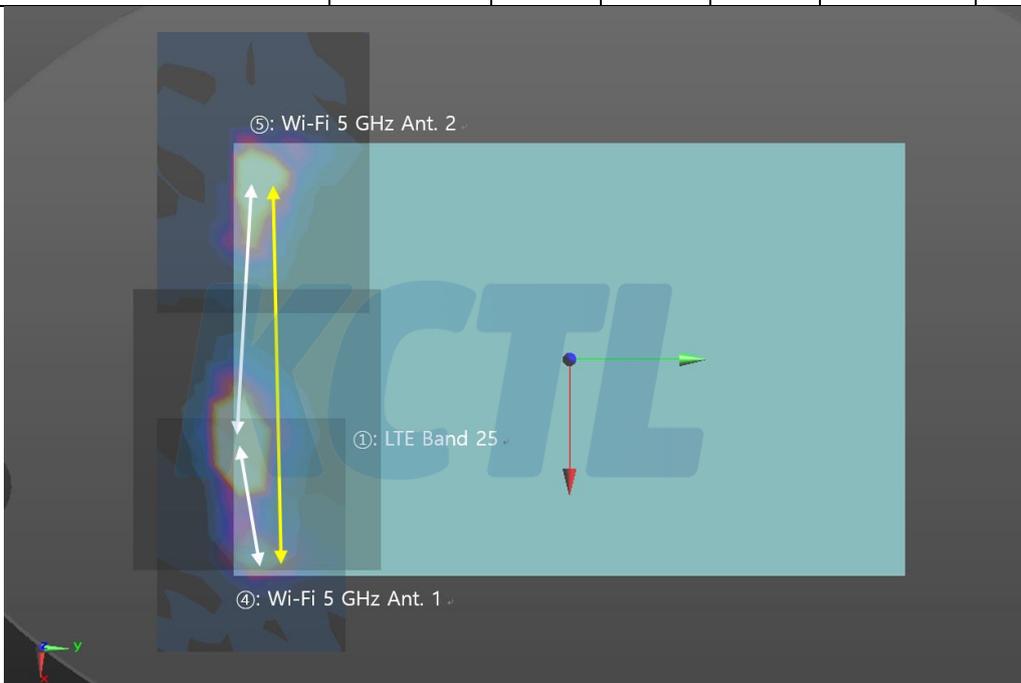
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## LTE Band 25 SPLSR – Rear Position

Scenario	Mode (Numbering)	SAR W/kg	Coordinates			Distance (mm)	SPLSR
			X	Y	Z		
Scenario No.5	LTE Band 25 (①)	0.901	0.038	-0.139	-0.182	48.0	0.03
	Wi-Fi 5 GHz Ant.1 (④)	0.482	0.085	-0.138	-0.179		
	LTE Band 25 (①)	0.901	0.038	-0.139	-0.182	121.0	0.02
	Wi-Fi 5 GHz Ant.2 (⑤)	0.775	-0.083	-0.131	-0.179		
	Wi-Fi 5 GHz Ant.1 (④)	0.482	0.085	-0.138	-0.179	169.0	0.01
	Wi-Fi 5 GHz Ant.2 (⑤)	0.775	-0.083	-0.131	-0.179		



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## LTE Band 25 SPLSR – Rear Position

Scenario	Mode (Numbering)	SAR W/kg	Coordinates			Distance (mm)	SPLSR
			X	Y	Z		
Scenario No.6	LTE Band 25 (①)	0.901	0.038	-0.139	-0.182	113.0	0.02
	Wi-Fi 2.4 GHz Ant.2 (②)	0.677	-0.075	-0.140	-0.178		
	LTE Band 25 (①)	0.901	0.038	-0.139	-0.182	58.3	0.03
	Bluetooth Ant.1 (⑥)	0.568	0.093	-0.122	-0.178		
	Wi-Fi 2.4 GHz Ant.2 (②)	0.677	-0.075	-0.140	-0.178	169.0	0.01
	Bluetooth Ant.1 (⑥)	0.568	0.093	-0.122	-0.178		



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## LTE Band 25 SPLSR – Rear Position

Scenario	Mode (Numbering)	SAR W/kg	Coordinates			Distance (mm)	SPLSR
			X	Y	Z		
Scenario No.7	LTE Band 25 (①)	0.901	0.038	-0.139	-0.182	48.2	0.05
	Wi-Fi 5 GHz Ant.1 (④) + Bluetooth Ant.1 (⑥)	0.886	0.084	-0.127	-0.178		
	LTE Band 25 (①)	0.901	0.038	-0.139	-0.182	121.0	0.02
	Wi-Fi 5 GHz Ant.2 (⑤)	0.775	-0.083	-0.131	-0.179		
	Wi-Fi 5 GHz Ant.1 (④) + Bluetooth Ant.1 (⑥)	0.886	0.084	-0.127	-0.178	167.0	0.01
	Wi-Fi 5 GHz Ant.2 (⑤)	0.775	-0.083	-0.131	-0.179		



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## LTE Band 25 SPLSR – Rear Position

Scenario	Mode (Numbering)	SAR W/kg	Coordinates			Distance (mm)	SPLSR
			X	Y	Z		
Scenario No.8	LTE Band 25 (①)	0.901	0.038	-0.139	-0.182	122.0	0.02
	Wi-Fi 5 GHz Ant.2 (⑤) + Bluetooth Ant.2 (⑦)	1.000	-0.084	-0.131	-0.178		
	LTE Band 25 (①)	0.901	0.038	-0.139	-0.182	48.0	0.03
	Wi-Fi 5 GHz Ant.1 (④)	0.482	0.085	-0.138	-0.179		
	Wi-Fi 5 GHz Ant.1 (④)	0.482	0.085	-0.138	-0.179	170.0	0.01
	Wi-Fi 5 GHz Ant.2 (⑤) + Bluetooth Ant.2 (⑦)	1.000	-0.084	-0.131	-0.178		

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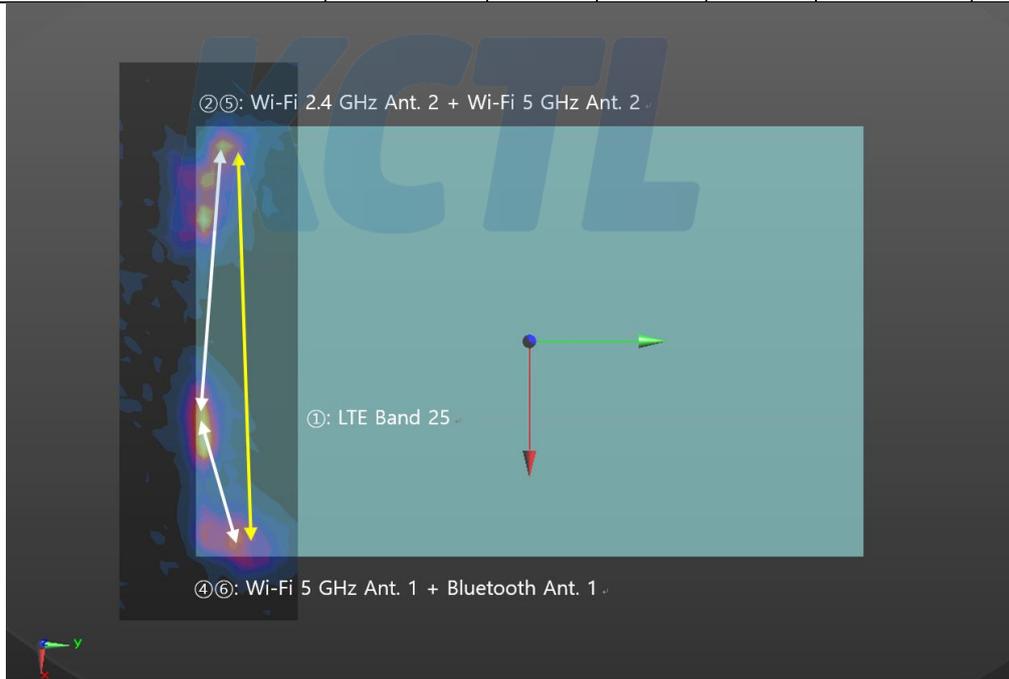
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## LTE Band 25 SPLSR – Rear Position

Scenario	Mode (Numbering)	SAR W/kg	Coordinates			Distance (mm)	SPLSR
			X	Y	Z		
Scenario No.9	LTE Band 25 (①)	0.901	0.038	-0.139	-0.182	89.6	0.03
	Wi-Fi 2.4 GHz Ant.2 (②) + Wi-Fi 5 GHz Ant.2 (⑤)	1.010	-0.052	-0.139	-0.178		
	LTE Band 25 (①)	0.901	0.038	-0.139	-0.182	48.2	0.05
	Wi-Fi 5 GHz Ant.1 (④) + Bluetooth Ant.1 (⑥)	0.886	0.084	-0.127	-0.178		
	Wi-Fi 2.4 GHz Ant.2 (②) + Wi-Fi 5 GHz Ant.2 (⑤)	1.010	-0.052	-0.139	-0.178	137.0	0.02
	Wi-Fi 5 GHz Ant.1 (④) + Bluetooth Ant.1 (⑥)	0.886	0.084	-0.127	-0.178		



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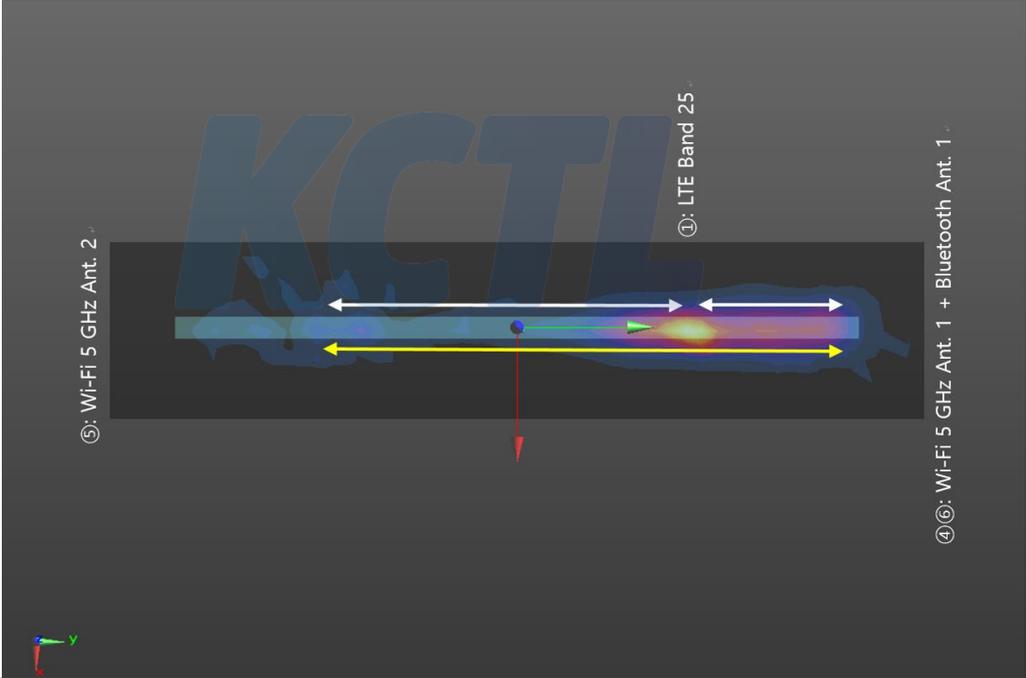
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## LTE Band 25 SPLSR – Rear Position

Scenario	Mode (Numbering)	SAR W/kg	Coordinates			Distance (mm)	SPLSR
			X	Y	Z		
Scenario No.10	LTE Band 25 (①)	0.901	0.038	-0.139	-0.182	46.7	0.05
	Wi-Fi 2.4 GHz MIMO (③) + Wi-Fi 5 GHz Ant.1 (④)	0.926	0.084	-0.139	-0.178		
	LTE Band 25 (①)	0.901	0.038	-0.139	-0.182	122.0	0.03
	Wi-Fi 2.4 GHz MIMO (③) + Wi-Fi 5 GHz Ant.2 (⑤)	1.240	-0.084	-0.131	-0.178		
	Wi-Fi 2.4 GHz MIMO (③) + Wi-Fi 5 GHz Ant.1 (④)	0.926	0.084	-0.139	-0.178	168.0	0.02
	Wi-Fi 2.4 GHz MIMO (③) + Wi-Fi 5 GHz Ant.2 (⑤)	1.240	-0.084	-0.131	-0.178		

**LTE Band 25 SPLSR – Top Position**

Scenario	Mode (Numbering)	SAR W/kg	Coordinates			Distance (mm)	SPLSR
			X	Y	Z		
Scenario No.7	LTE Band 25 (①)	0.917	0.002	0.044	-0.184	38.1	0.04
	Wi-Fi 5 GHz Ant.1 (④) + Bluetooth Ant.1 (⑥)	0.486	0.001	0.082	-0.181		
	LTE Band 25 (①)	0.917	0.002	0.044	-0.184	85.7	0.01
	Wi-Fi 5 GHz Ant.2 (⑤)	0.204	0.000	-0.042	-0.180		
	Wi-Fi 5 GHz Ant.1 (④) + Bluetooth Ant.1 (⑥)	0.486	0.001	0.082	-0.181	124.0	0.00
	Wi-Fi 5 GHz Ant.2 (⑤)	0.204	0.000	-0.042	-0.180		
							

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## LTE Band 25 SPLSR – Top Position

Scenario	Mode (Numbering)	SAR W/kg	Coordinates			Distance (mm)	SPLSR
			X	Y	Z		
Scenario No.9	LTE Band 25 (①)	0.917	0.002	0.044	-0.184	98.0	0.01
	Wi-Fi 2.4 GHz Ant.2 (②) + Wi-Fi 5 GHz Ant.2 (⑤)	0.283	0.001	-0.054	-0.181		
	LTE Band 25 (①)	0.917	0.002	0.044	-0.184	38.1	0.04
	Wi-Fi 5 GHz Ant.1 (④) + Bluetooth Ant.1 (⑥)	0.486	0.001	0.082	-0.181		
	Wi-Fi 2.4 GHz Ant.2 (②) + Wi-Fi 5 GHz Ant.2 (⑤)	0.283	0.001	-0.054	-0.181	136.0	0.00
	Wi-Fi 5 GHz Ant.1 (④) + Bluetooth Ant.1 (⑥)	0.486	0.001	0.082	-0.181		

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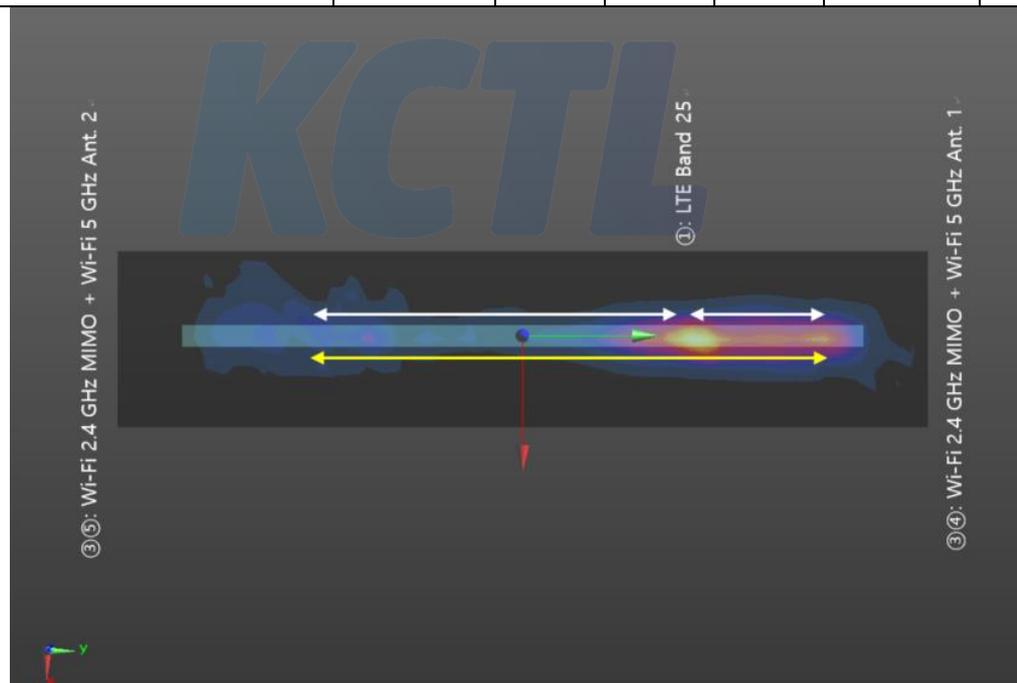
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## LTE Band 25 SPLSR – Top Position

Scenario	Mode (Numbering)	SAR W/kg	Coordinates			Distance (mm)	SPLSR
			X	Y	Z		
Scenario No.10	LTE Band 25 (①)	0.917	0.002	0.044	-0.184	38.1	0.05
	Wi-Fi 2.4 GHz MIMO (③) + Wi-Fi 5 GHz Ant.1 (④)	0.546	0.001	0.082	-0.181		
	LTE Band 25 (①)	0.917	0.002	0.044	-0.184	86.1	0.02
	Wi-Fi 2.4 GHz MIMO (③) + Wi-Fi 5 GHz Ant.2 (⑤)	0.279	0.001	-0.042	-0.181		
	Wi-Fi 2.4 GHz MIMO (③) + Wi-Fi 5 GHz Ant.1 (④)	0.546	0.001	0.082	-0.181	124.0	0.01
	Wi-Fi 2.4 GHz MIMO (③) + Wi-Fi 5 GHz Ant.2 (⑤)	0.279	0.001	-0.042	-0.181		



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## LTE Band 25 Volume Scan – Rear Position

Scenario No.7

Licensed Band + WLAN 5 GHz MIMO + Bluetooth Ant 1  
= 1.04 W/kg

### Multi-Band Average SAR

#### Multi-Band Configurations:

DASY Configuration for Configuration/LTE Band 25\_QPSK\_20  
MHz\_50RB\_24offset\_CH26365\_Rear\_0 mm Grip Sensor On\_VS/Volume Scan:

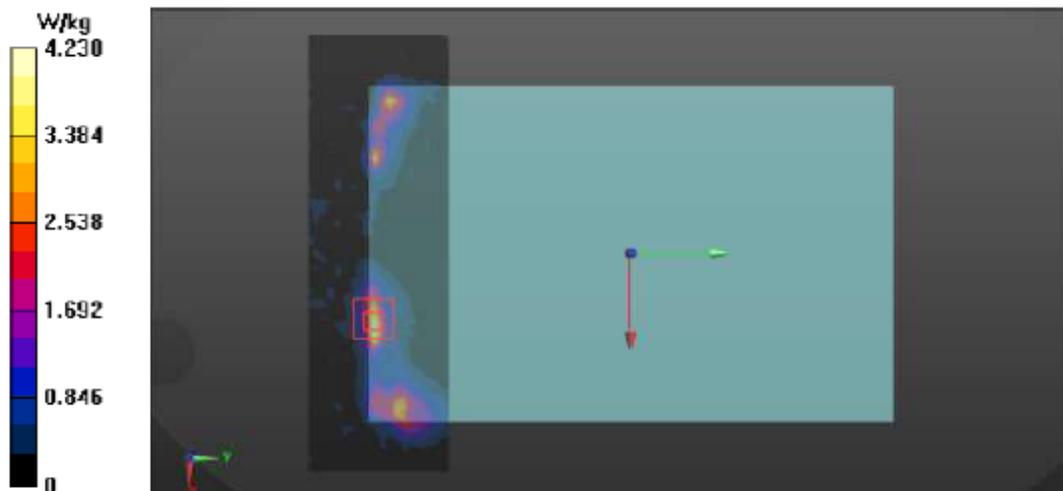
DASY Configuration for Configuration/802.11 ac\_VHT80\_WLAN2\_CH155\_Rear\_0  
mm Sensor On/Volume Scan:

DASY Configuration for Configuration/802.11 ac\_VHT80\_WLAN1\_CH122\_Rear\_0  
mm Sensor On/Volume Scan:

DASY Configuration for Configuration/Bluetooth\_GFSK\_DH5\_Ant.1\_CH0\_Rear\_0  
mm Sensor On/Volume Scan:

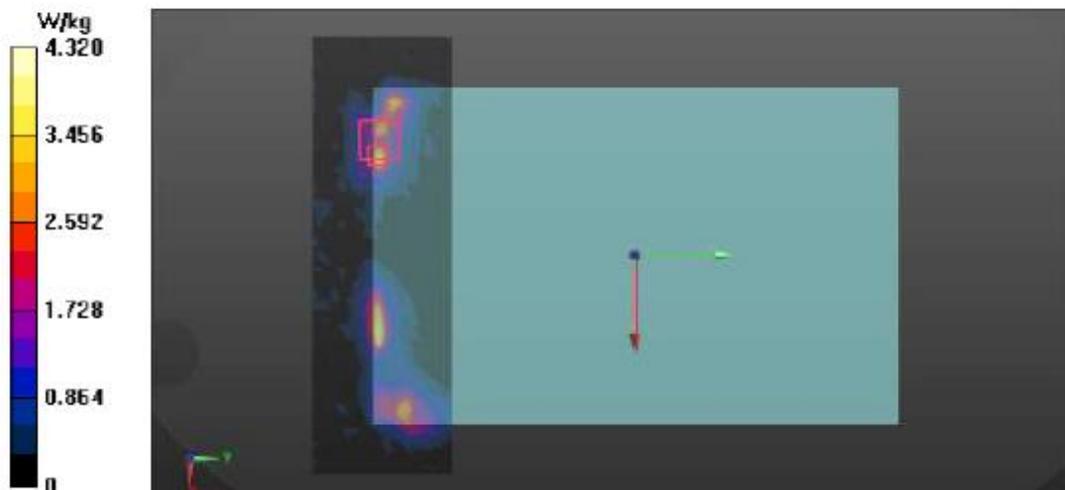
#### Multi Band Result:

SAR(1 g) = 1.04 W/kg; SAR(10 g) = 0.495 W/kg  
Maximum value of SAR (interpolated) = 4.23 W/kg



**LTE Band 25 Volume Scan – Rear Position**

Scenario No.9

Licensed Band + WLAN 2.4 GHz Ant.2 + WLAN 5 GHz MIMO + Bluetooth Ant 1  
= 1.06 W/kg**Multi-Band Average SAR****Multi-Band Configurations:**DASY Configuration for Configuration/LTE Band 25\_QPSK\_20  
MHz\_50RB\_24offset\_CH26365\_Rear\_0 mm Grip Sensor On\_VS/Volume Scan:DASY Configuration for Configuration/802.11 ac\_VHT80\_WLAN2\_CH155\_Rear\_0  
mm Sensor On/Volume Scan:DASY Configuration for Configuration/802.11 b\_WLAN2\_CH1\_Rear\_0 mm Sensor  
On VS/Volume Scan:DASY Configuration for Configuration/802.11 ac\_VHT80\_WLAN1\_CH122\_Rear\_0  
mm Sensor On/Volume Scan:DASY Configuration for Configuration/Bluetooth\_GFSK\_DH5\_Ant.1\_CH0\_Rear\_0  
mm Sensor On/Volume Scan:**Multi Band Result:**SAR(1 g) = 1.06 W/kg; SAR(10 g) = 0.553 W/kg  
Maximum value of SAR (interpolated) = 4.32 W/kg

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## LTE Band 25 Volume Scan – Rear Position

Scenario No.10

Licensed Band + WLAN 2.4 GHz MIMO + WLAN 5 GHz MIMO  
= 1.29 W/kg

### Multi-Band Average SAR

### Multi-Band Configurations:

DASY Configuration for Configuration/802.11 b\_MIMO\_CH11\_Rear\_0 mm Sensor On VS/Volume Scan:

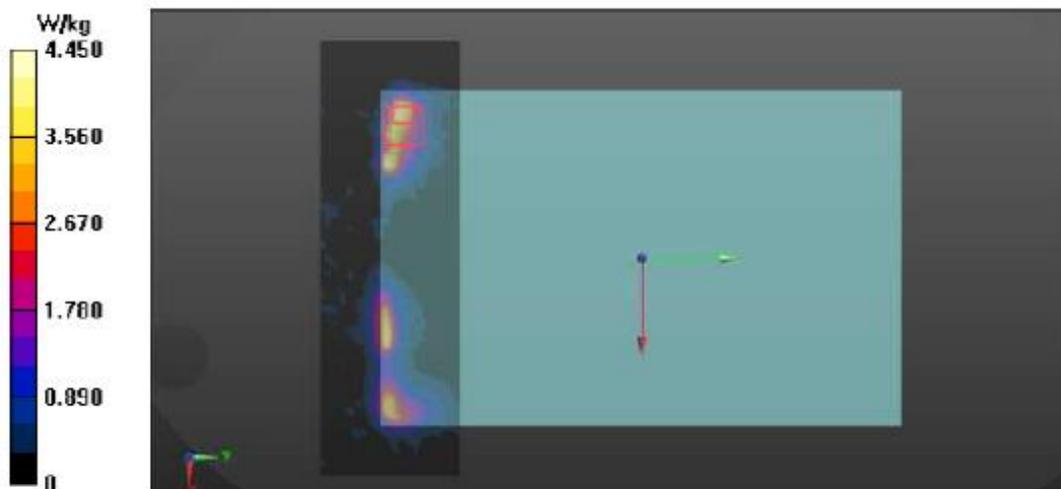
DASY Configuration for Configuration/802.11 ac\_VHT80\_WLAN2\_CH155\_Rear\_0 mm Sensor On/Volume Scan:

DASY Configuration for Configuration/LTE Band 25\_QPSK\_20 MHz\_50RB\_24offset\_CH26365\_Rear\_0 mm Grip Sensor On\_VS/Volume Scan:

DASY Configuration for Configuration/802.11 ac\_VHT80\_WLAN1\_CH122\_Rear\_0 mm Sensor On/Volume Scan:

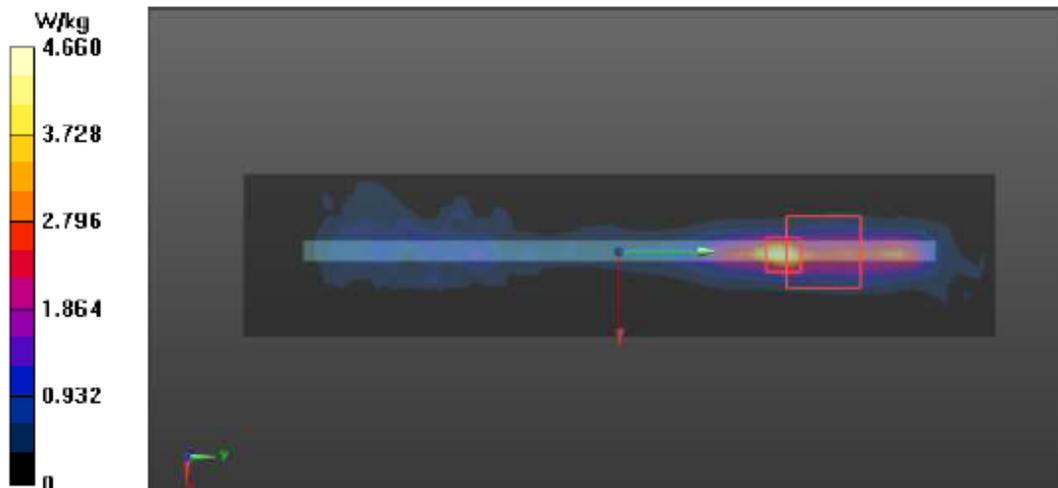
### Multi Band Result:

SAR(1 g) = 1.29 W/kg; SAR(10 g) = 0.656 W/kg  
Maximum value of SAR (interpolated) = 4.45 W/kg



**LTE Band 25 Volume Scan – Top Position**

Scenario No.10

Licensed Band + WLAN 2.4 GHz MIMO + WLAN 5 GHz MIMO  
= 1.02 W/kg**Multi-Band Average SAR****Multi-Band Configurations:**DASY Configuration for Configuration 3/LTE Band 25\_QPSK\_20  
MHz\_50RB\_24offset\_CH26365\_Top\_0 mm Grip Sensor On/Volume Scan:DASY Configuration for Configuration 5/802.11\_b\_MIMO\_CH11\_Top\_0 mm  
Sensor On VS/Volume Scan:DASY Configuration for Configuration 5/802.11 ac\_VHT80\_WLAN1\_CH122\_Top\_0  
mm Sensor On\_VS/Volume Scan:DASY Configuration for Configuration 5/802.11 ac\_VHT80\_WLAN2\_CH155\_Top\_0  
mm Sensor On\_VS 2/Volume Scan:**Multi Band Result:**SAR(1 g) = 1.02 W/kg; SAR(10 g) = 0.413 W/kg  
Maximum value of SAR (interpolated) = 4.66 W/kg

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## 12.3.11 LTE Band 26 SPLSR and Volume Scan Analysis\_Sensor On

LTE Band 26 Simultaneous										
Scenario	Scenario No.1	Scenario No.2	Scenario No.3	Scenario No.4	Scenario No.5	Scenario No.6	Scenario No.7	Scenario No.8	Scenario No.9	Scenario No.10
SUM	①②	①⑥	①⑦	①③	①④⑤	①②⑥	①④⑤⑥	①④⑤⑦	①②④⑤⑥	①③④⑤
Rear	1.414	1.305	1.365	1.484	1.994	1.982	2.562	2.622	3.239	2.741
Left	0.278	0.207	0.686	0.270	0.803	0.278	0.803	1.282	0.874	0.866
Left Corner	0.465	0.800	0.528	0.478	0.762	0.865	1.162	0.890	1.227	0.840
Right	0.045	0.619	0.033	0.490	0.701	0.631	1.287	0.701	1.299	1.158
Right Corner	0.486	0.396	0.486	0.330	0.616	0.796	0.926	1.016	1.326	0.860
Top	0.862	0.989	0.831	1.014	1.227	1.125	1.490	1.332	1.626	1.515

Note: Yellow highlight cells require SPLSR or Volume Scan analysis.

LTE Band 26 SPLSR – Rear Position												
Scenario	Scenario No.5		Scenario No.6		Scenario No.7		Scenario No.8		Scenario No.9		Scenario No.10	
Rear	1.994		1.982		2.562		2.622		3.239		2.741	
Distance [mm]	①-④	103.0	①-②	58.7	①-④⑥	102.0	①-⑤⑦	67.9	①-②⑤	35.5	①-③④	101.0
	①-⑤	67.2	①-⑥	112.0	①-⑤	67.2	①-④	103.0	①-④⑥	102.0	①-③⑤	67.9
	④-⑤	169.0	②-⑥	169.0	④⑥-⑤	167.0	④-⑤⑦	170.0	②⑤-④⑥	137.0	③④-③⑤	168.0
SPLSR ≤ 0.04 Limit	①-④	0.01	①-②	0.03	①-④⑥	0.02	①-⑤⑦	0.03	①-②⑤	0.06	①-③④	0.02
	①-⑤	0.03	①-⑥	0.01	①-⑤	0.03	①-④	0.01	①-④⑥	0.02	①-③⑤	0.04
	④-⑤	0.01	②-⑥	0.01	④⑥-⑤	0.01	④-⑤⑦	0.01	②⑤-④⑥	0.02	③④-③⑤	0.02
Volume scan	Not Required		Not Required		Not Required		Not Required		Required		Not Required	

LTE Band 26 SPLSR – Top Position		
Scenario	Scenario No.9	
Top	1.626	
Distance [mm]	①-②⑤	35.2
	①-④⑥	101.0
	②⑤-④⑥	136.0
SPLSR ≤ 0.04 Limit	①-②⑤	0.03
	①-④⑥	0.01
	②⑤-④⑥	0.00
Volume scan	Not Required	

Note: Scenario No. 7 ~ 10 were analyzed according to the SPLSR hotspot combination procedure of the TCB Workshop Nov 2019.(Reference Section 12.5).

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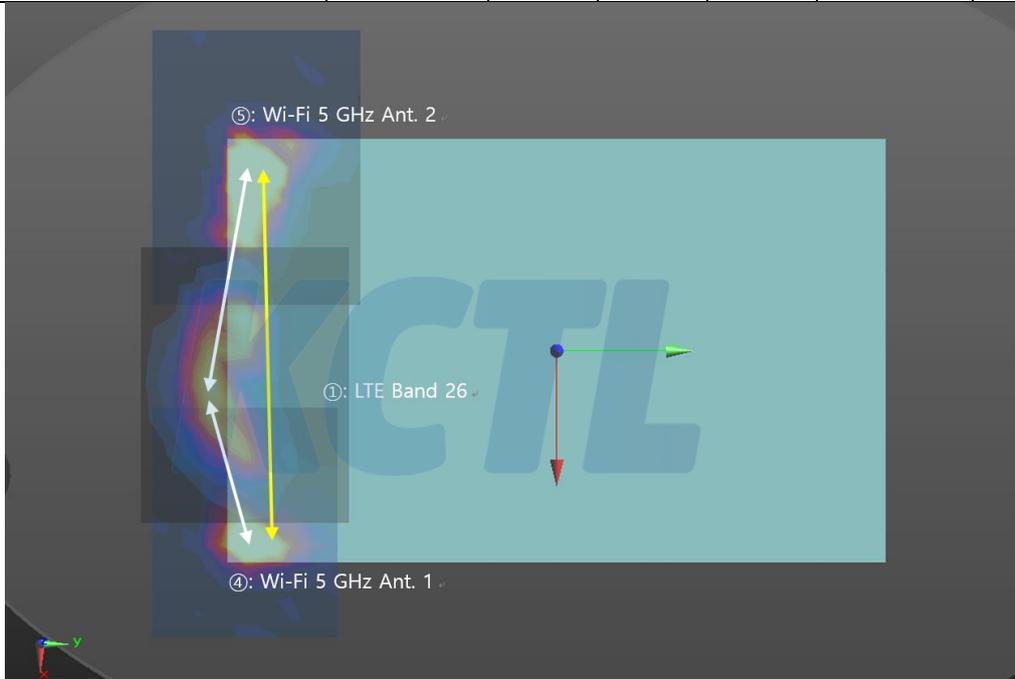
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## LTE Band 26 SPLSR – Rear Position

Scenario	Mode (Numbering)	SAR W/kg	Coordinates			Distance (mm)	SPLSR
			X	Y	Z		
Scenario No.5	LTE Band 26 (①)	0.737	-0.017	-0.140	-0.184	103.0	0.01
	Wi-Fi 5 GHz Ant.1 (④)	0.482	0.085	-0.138	-0.179		
	LTE Band 26 (①)	0.737	-0.017	-0.140	-0.184	67.2	0.03
	Wi-Fi 5 GHz Ant.2 (⑤)	0.775	-0.083	-0.131	-0.179		
	Wi-Fi 5 GHz Ant.1 (④)	0.482	0.085	-0.138	-0.179	169.0	0.01
	Wi-Fi 5 GHz Ant.2 (⑤)	0.775	-0.083	-0.131	-0.179		



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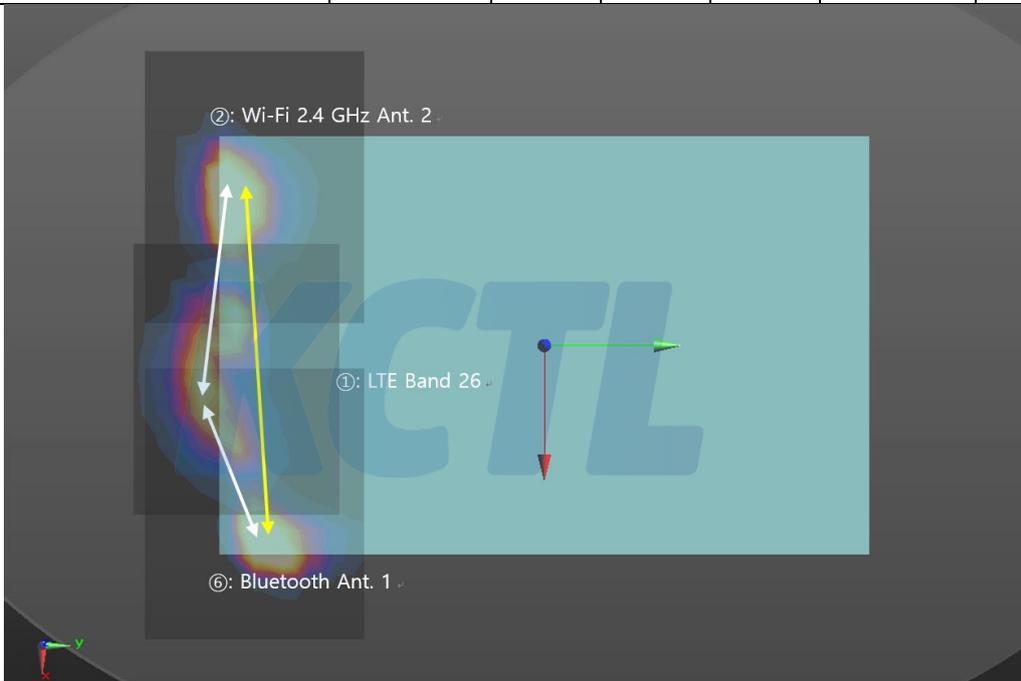
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## LTE Band 26 SPLSR – Rear Position

Scenario	Mode (Numbering)	SAR W/kg	Coordinates			Distance (mm)	SPLSR
			X	Y	Z		
Scenario No.6	LTE Band 26 (①)	0.737	-0.017	-0.140	-0.184	58.7	0.03
	Wi-Fi 2.4 GHz Ant.2 (②)	0.677	-0.075	-0.140	-0.178		
	LTE Band 26 (①)	0.737	-0.017	-0.140	-0.184	112.0	0.01
	Bluetooth Ant.1 (⑥)	0.568	0.093	-0.122	-0.178		
	Wi-Fi 2.4 GHz Ant.2 (②)	0.677	-0.075	-0.140	-0.178	169.0	0.01
	Bluetooth Ant.1 (⑥)	0.568	0.093	-0.122	-0.178		



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## LTE Band 26 SPLSR – Rear Position

Scenario	Mode (Numbering)	SAR W/kg	Coordinates			Distance (mm)	SPLSR
			X	Y	Z		
Scenario No.7	LTE Band 26 (①)	0.737	-0.017	-0.140	-0.184	102.0	0.02
	Wi-Fi 5 GHz Ant.1 (④) + Bluetooth Ant.1 (⑥)	0.886	0.084	-0.127	-0.178		
	LTE Band 26 (①)	0.737	-0.017	-0.140	-0.184	67.2	0.03
	Wi-Fi 5 GHz Ant.2 (⑤)	0.775	-0.083	-0.131	-0.179		
	Wi-Fi 5 GHz Ant.1 (④) + Bluetooth Ant.1 (⑥)	0.886	0.084	-0.127	-0.178	167.0	0.01
	Wi-Fi 5 GHz Ant.2 (⑤)	0.775	-0.083	-0.131	-0.179		



**LTE Band 26 SPLSR – Rear Position**

Scenario	Mode (Numbering)	SAR W/kg	Coordinates			Distance (mm)	SPLSR
			X	Y	Z		
Scenario No.8	LTE Band 26 (①)	0.737	-0.017	-0.140	-0.184	<b>67.9</b>	0.03
	Wi-Fi 5 GHz Ant.2 (⑤) + Bluetooth Ant.2 (⑦)	1.000	-0.084	-0.131	-0.178		
	LTE Band 26 (①)	0.737	-0.017	-0.140	-0.184	<b>103.0</b>	0.01
	Wi-Fi 5 GHz Ant.1 (④)	0.482	0.085	-0.138	-0.179		
	Wi-Fi 5 GHz Ant.1 (④)	0.482	0.085	-0.138	-0.179	<b>170.0</b>	0.01
	Wi-Fi 5 GHz Ant.2 (⑤) + Bluetooth Ant.2 (⑦)	1.000	-0.084	-0.131	-0.178		
							

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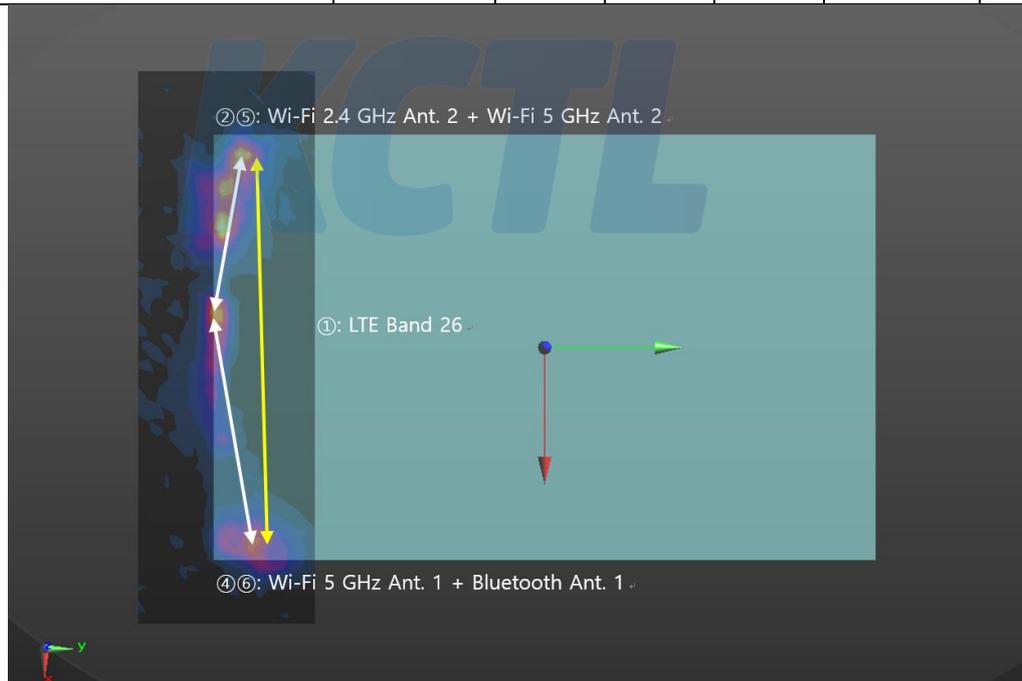
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## LTE Band 26 SPLSR – Rear Position

Scenario	Mode (Numbering)	SAR W/kg	Coordinates			Distance (mm)	SPLSR
			X	Y	Z		
Scenario No.9	LTE Band 26 (①)	0.737	-0.017	-0.140	-0.184	35.5	0.06
	Wi-Fi 2.4 GHz Ant.2 (②) + Wi-Fi 5 GHz Ant.2 (⑤)	1.010	-0.052	-0.139	-0.178		
	LTE Band 26 (①)	0.737	-0.017	-0.140	-0.184	102.0	0.02
	Wi-Fi 5 GHz Ant.1 (④) + Bluetooth Ant.1 (⑥)	0.886	0.084	-0.127	-0.178		
	Wi-Fi 2.4 GHz Ant.2 (②) + Wi-Fi 5 GHz Ant.2 (⑤)	1.010	-0.052	-0.139	-0.178	137.0	0.02
	Wi-Fi 5 GHz Ant.1 (④) + Bluetooth Ant.1 (⑥)	0.886	0.084	-0.127	-0.178		



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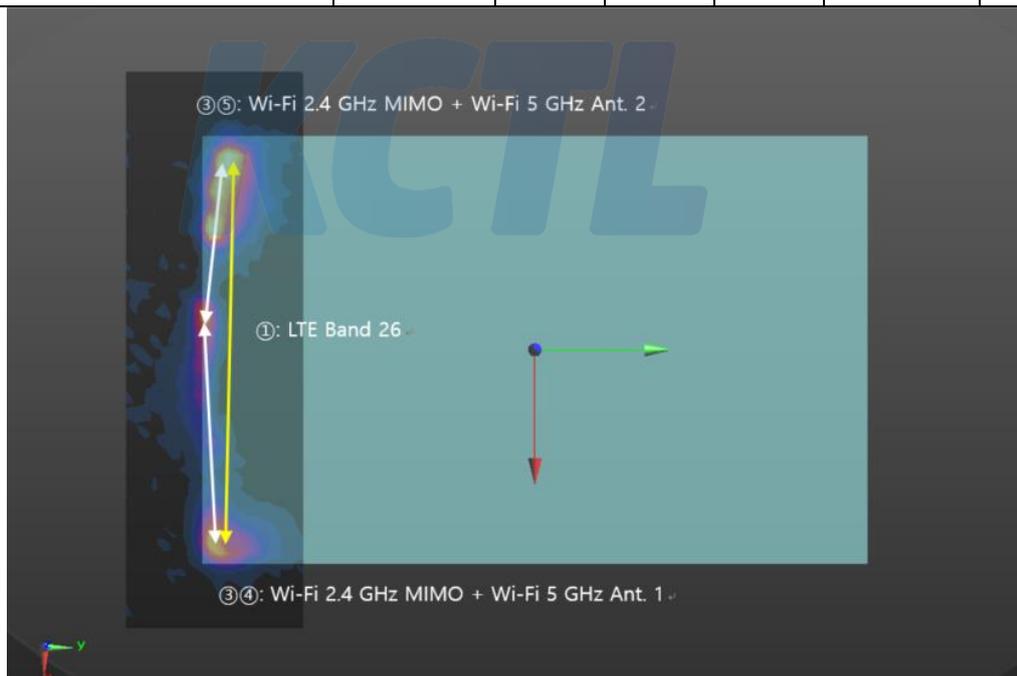
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## LTE Band 26 SPLSR – Rear Position

Scenario	Mode (Numbering)	SAR W/kg	Coordinates			Distance (mm)	SPLSR
			X	Y	Z		
Scenario No.10	LTE Band 26 (①)	0.737	-0.017	-0.140	-0.184	101.0	0.02
	Wi-Fi 2.4 GHz MIMO (③) + Wi-Fi 5 GHz Ant.1 (④)	0.926	0.084	-0.139	-0.178		
	LTE Band 26 (①)	0.737	-0.017	-0.140	-0.184	67.9	0.04
	Wi-Fi 2.4 GHz MIMO (③) + Wi-Fi 5 GHz Ant.2 (⑤)	1.240	-0.084	-0.131	-0.178		
	Wi-Fi 2.4 GHz MIMO (③) + Wi-Fi 5 GHz Ant.1 (④)	0.926	0.084	-0.139	-0.178	168.0	0.02
	Wi-Fi 2.4 GHz MIMO (③) + Wi-Fi 5 GHz Ant.2 (⑤)	1.240	-0.084	-0.131	-0.178		



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## LTE Band 26 SPLSR – Top Position

Scenario	Mode (Numbering)	SAR W/kg	Coordinates			Distance (mm)	SPLSR
			X	Y	Z		
Scenario No.9	LTE Band 26 (①)	0.726	0.000	-0.019	-0.185	35.2	0.03
	Wi-Fi 2.4 GHz Ant.2 (②) + Wi-Fi 5 GHz Ant.2 (⑤)	0.283	0.001	-0.054	-0.181		
	LTE Band 26 (①)	0.726	0.000	-0.019	-0.185	101.0	0.01
	Wi-Fi 5 GHz Ant.1 (④) + Bluetooth Ant.1 (⑥)	0.486	0.001	0.082	-0.181		
	Wi-Fi 2.4 GHz Ant.2 (②) + Wi-Fi 5 GHz Ant.2 (⑤)	0.283	0.001	-0.054	-0.181	136.0	0.00
	Wi-Fi 5 GHz Ant.1 (④) + Bluetooth Ant.1 (⑥)	0.486	0.001	0.082	-0.181		