

Appendix I. SPLSR criteria plots

Figure (1)

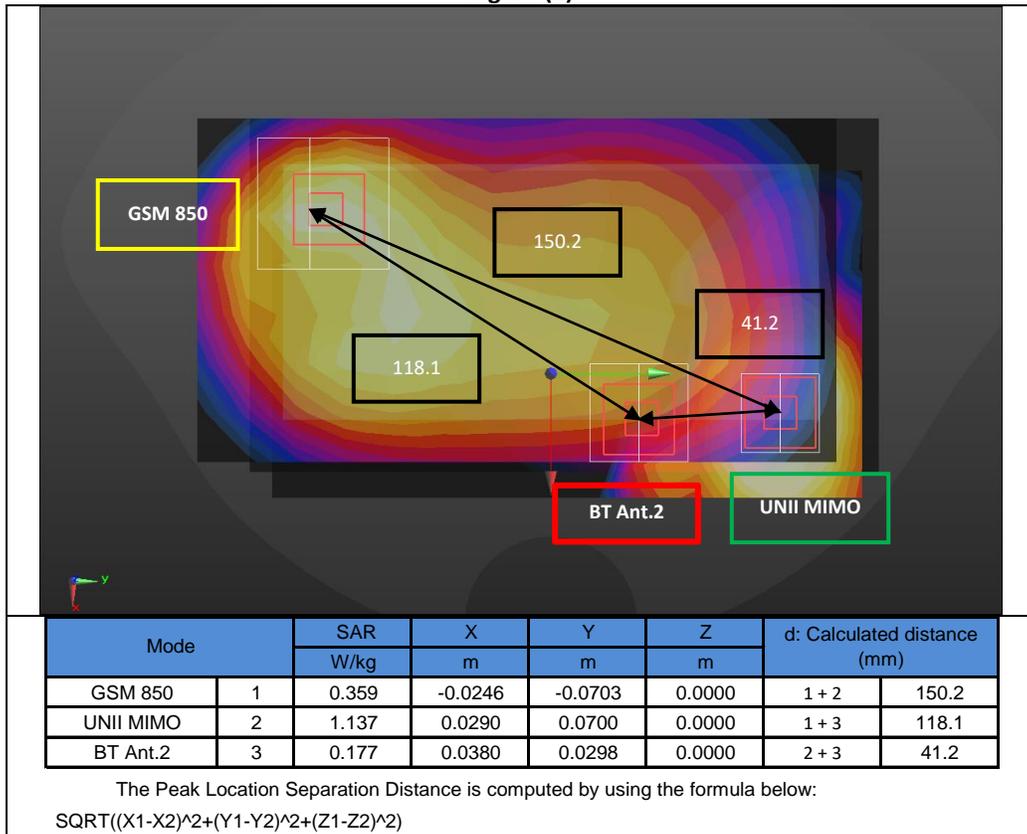


Figure (2)

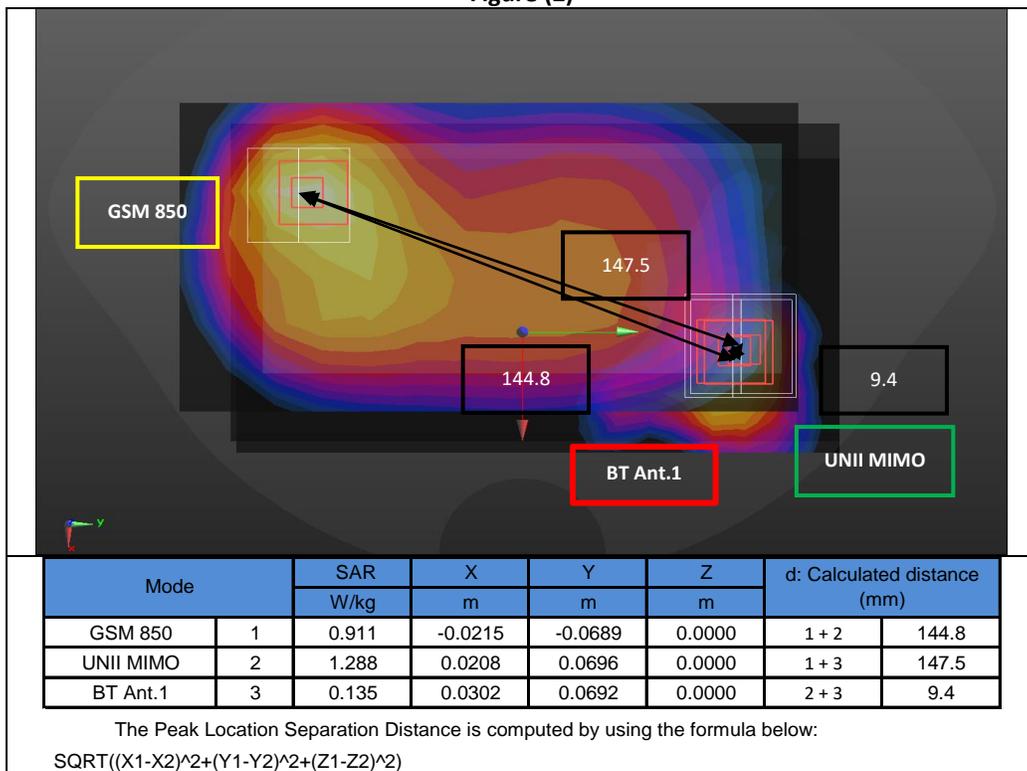


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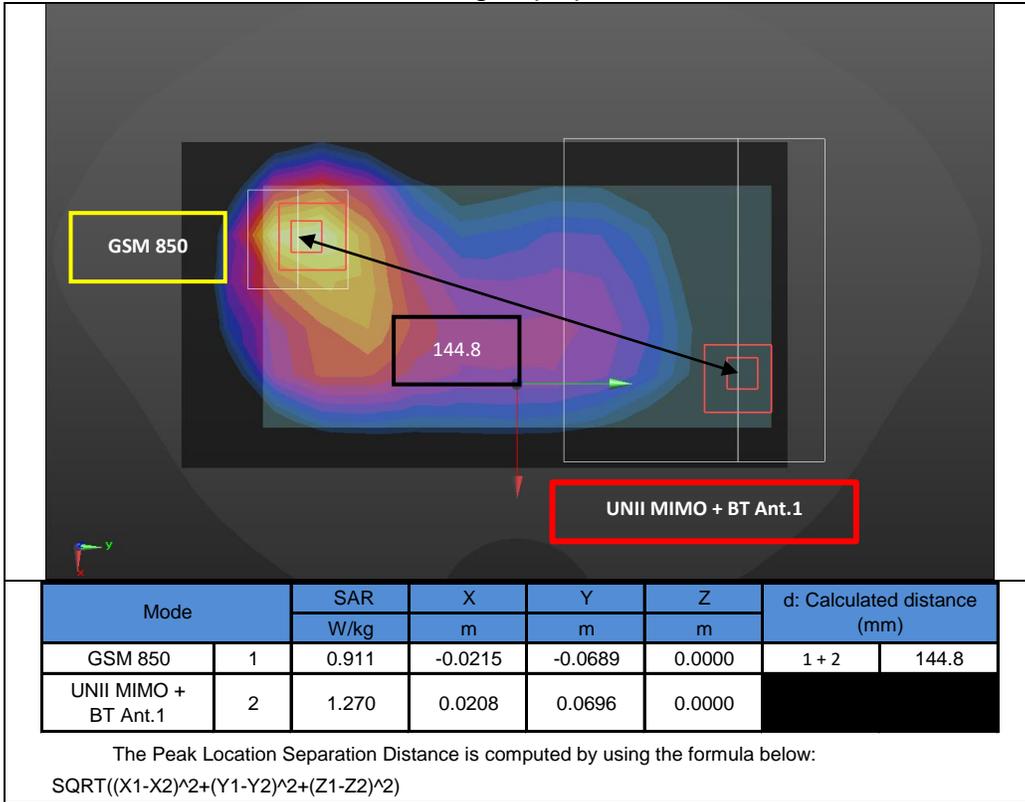


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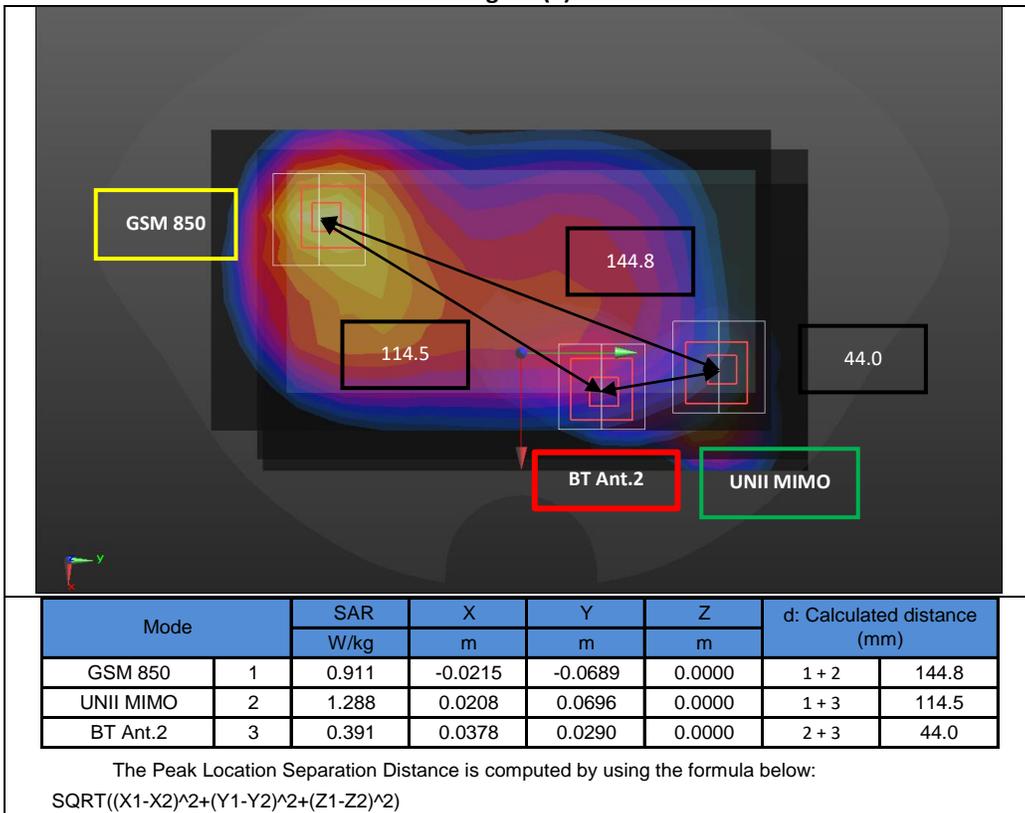


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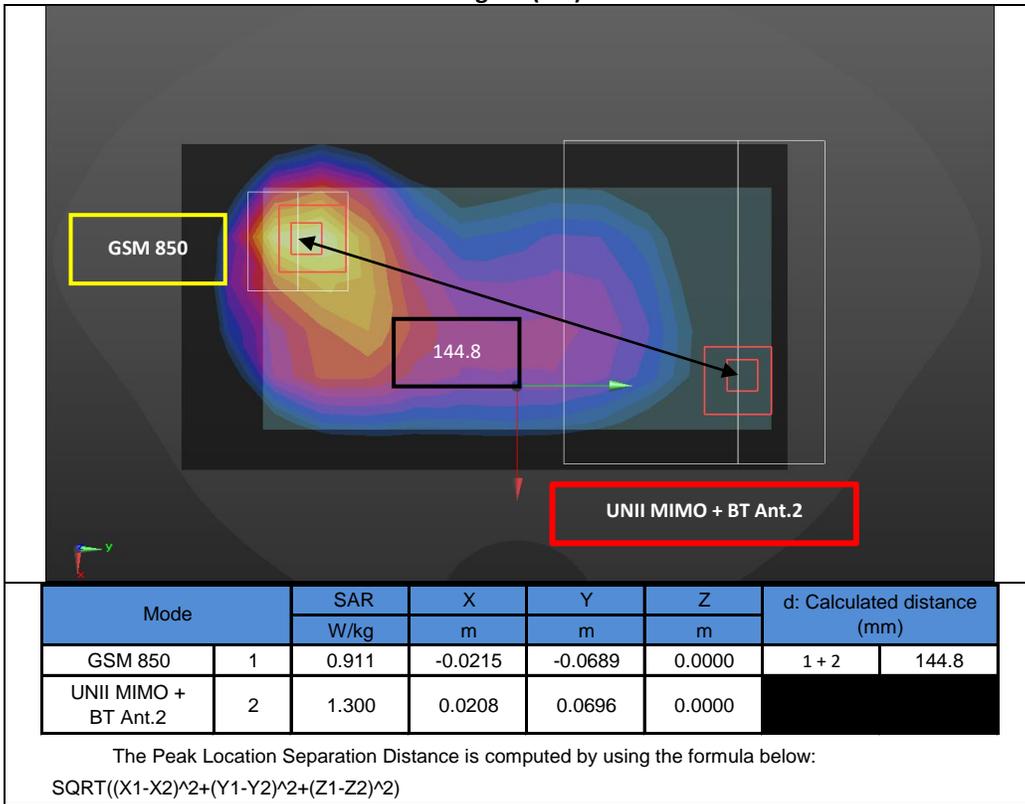


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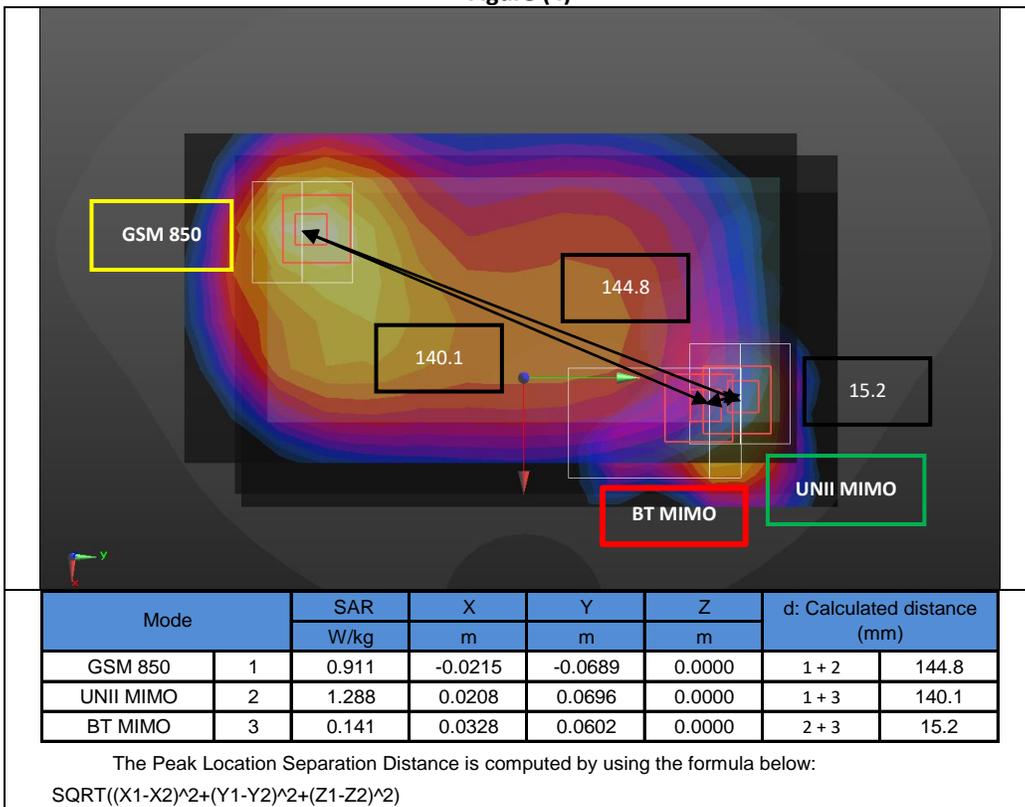


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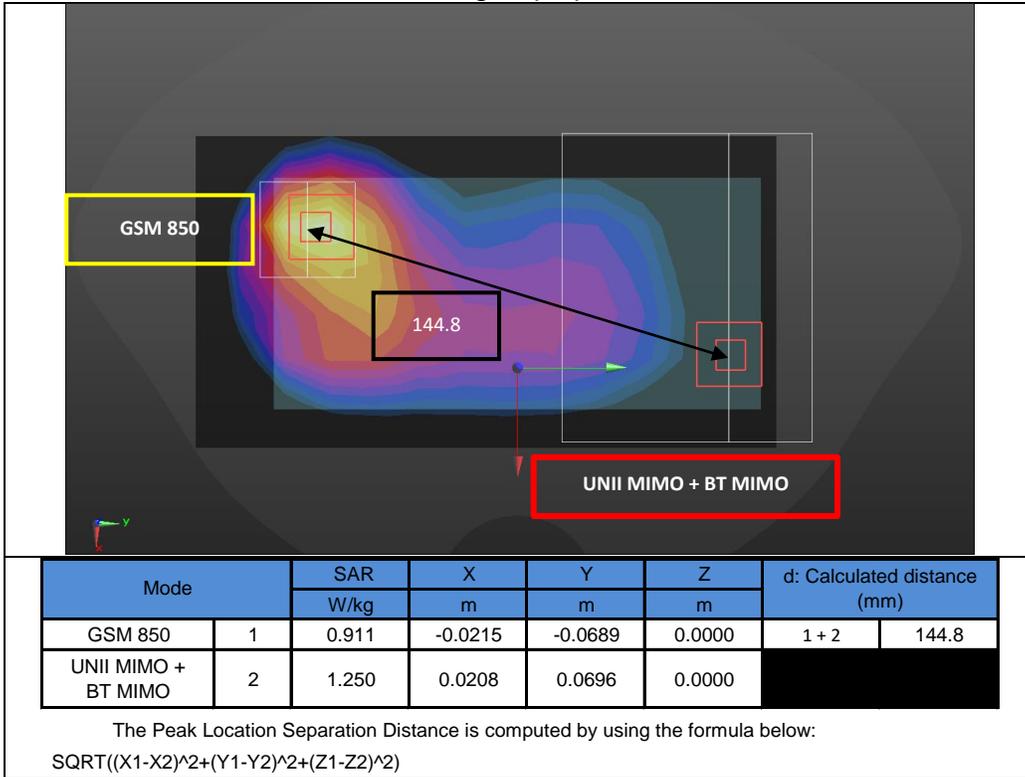


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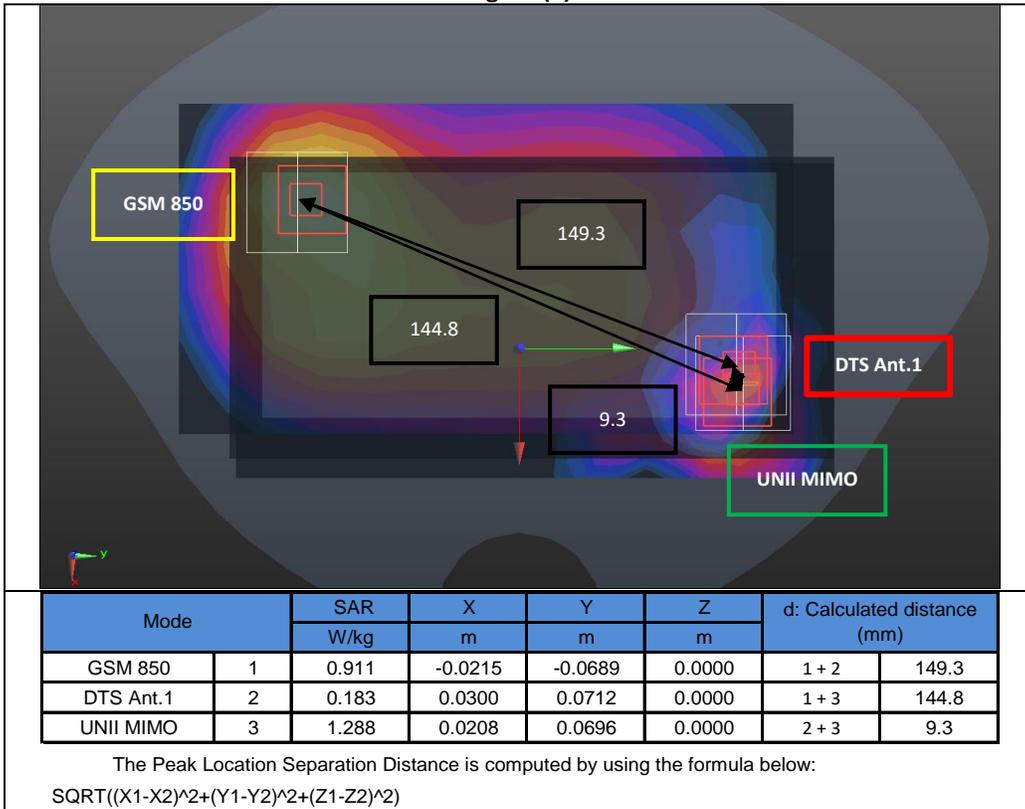


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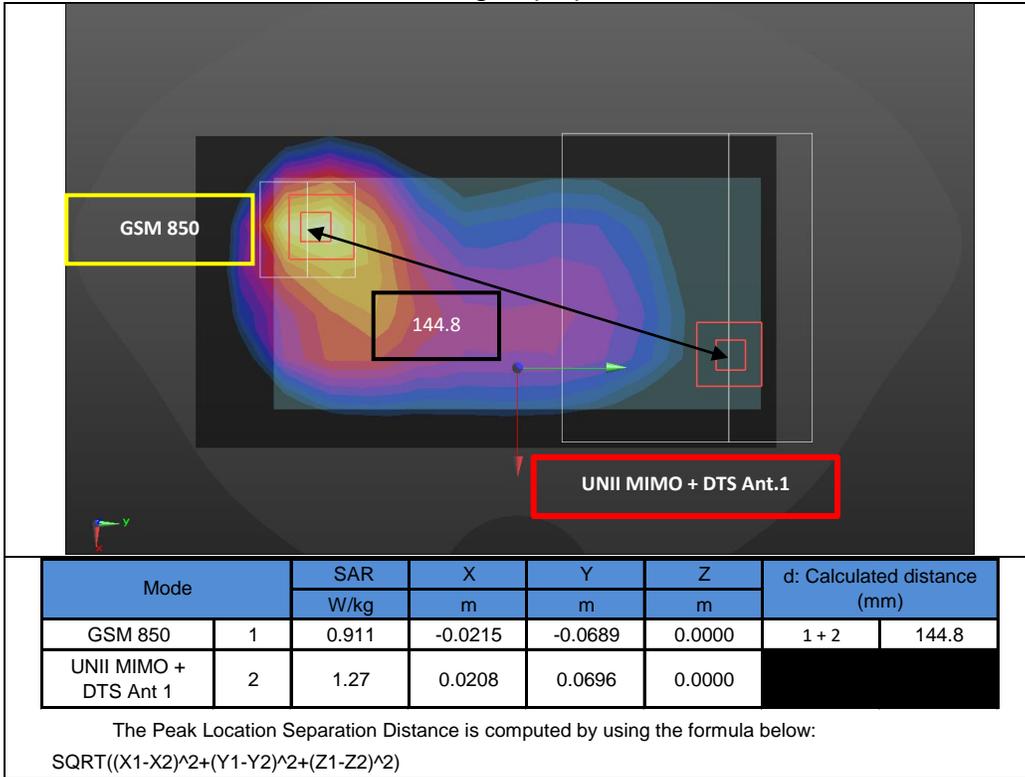


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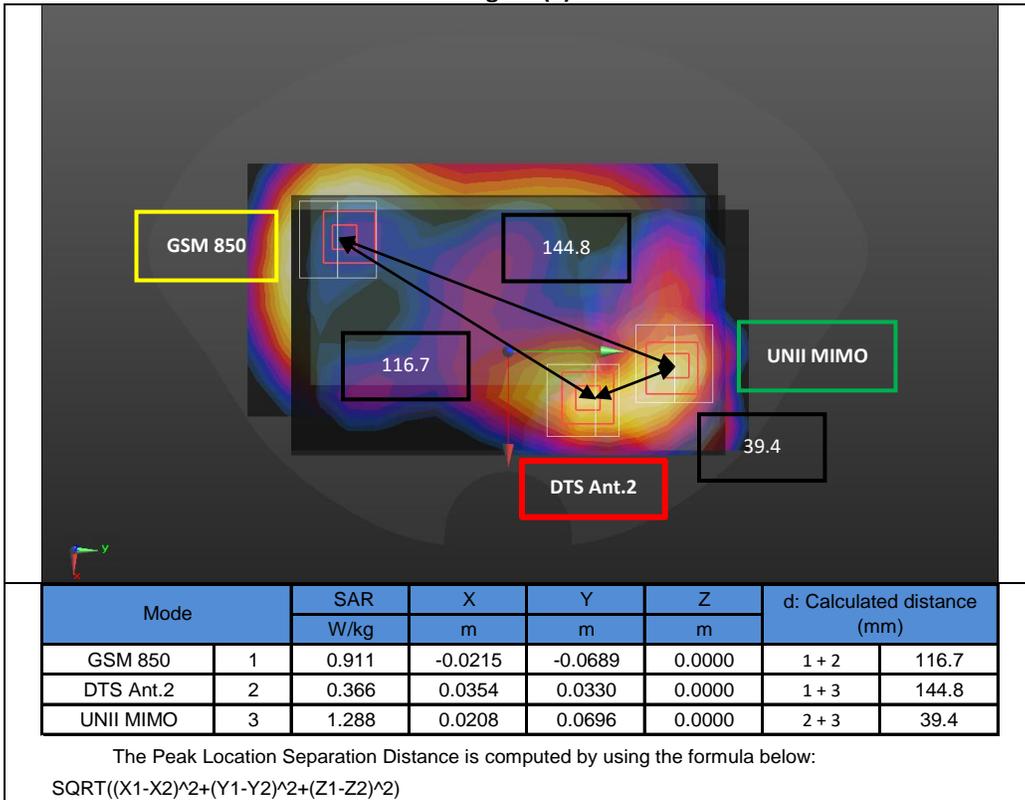


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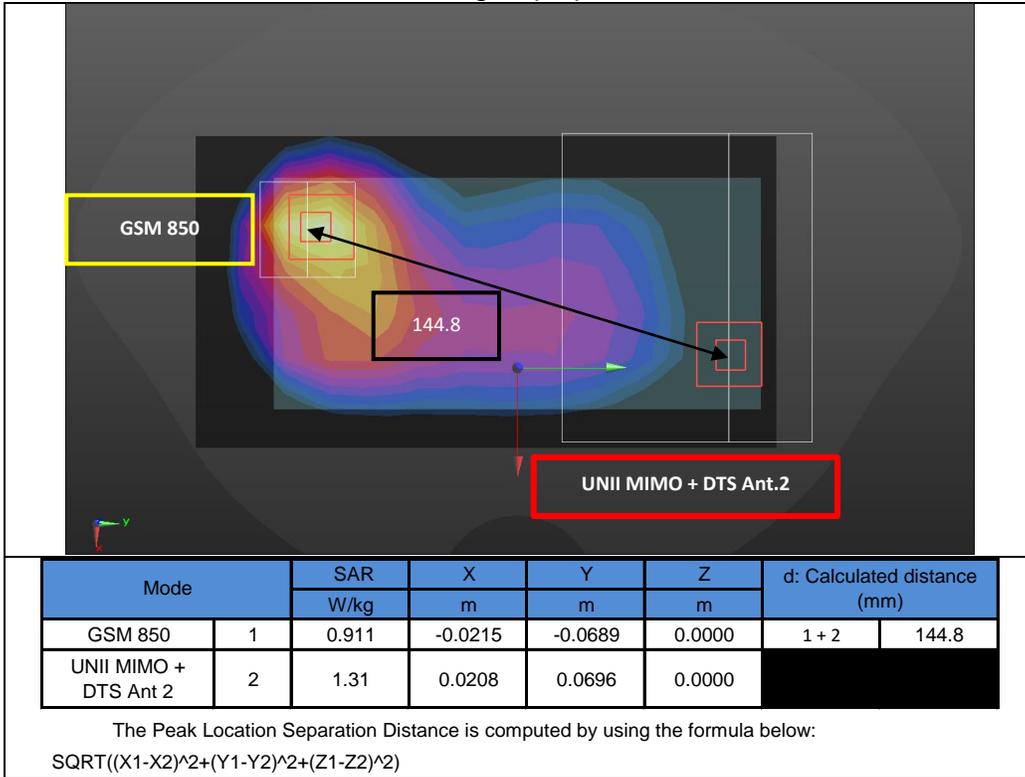


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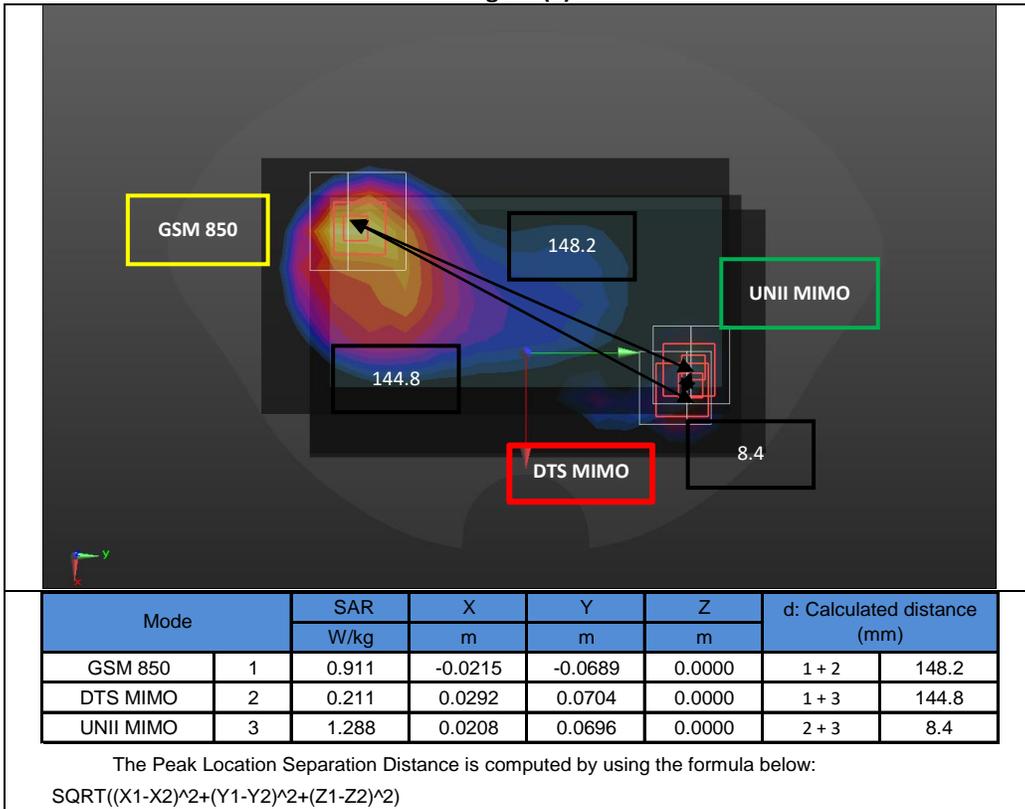


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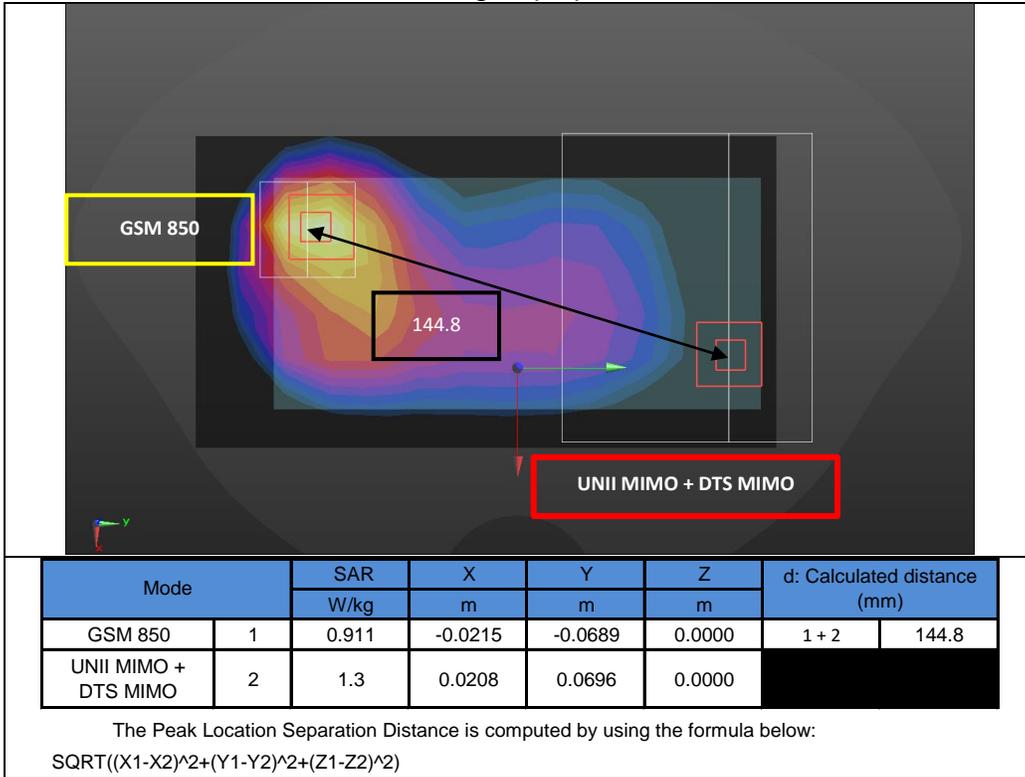


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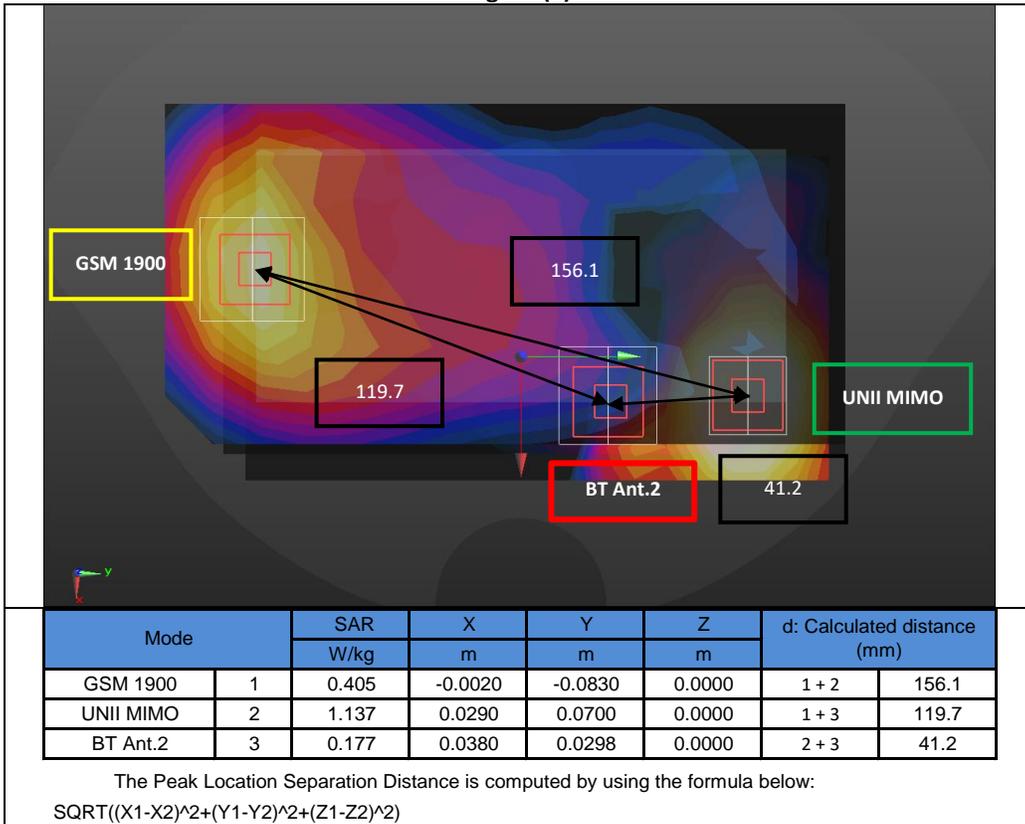


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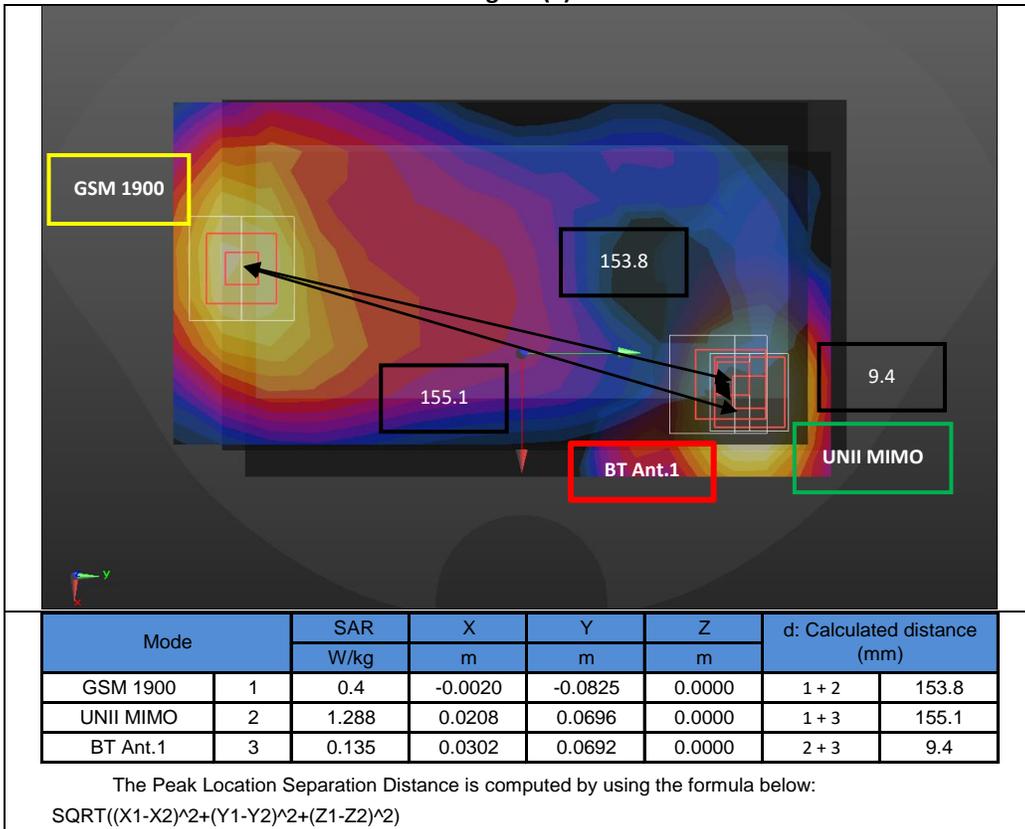


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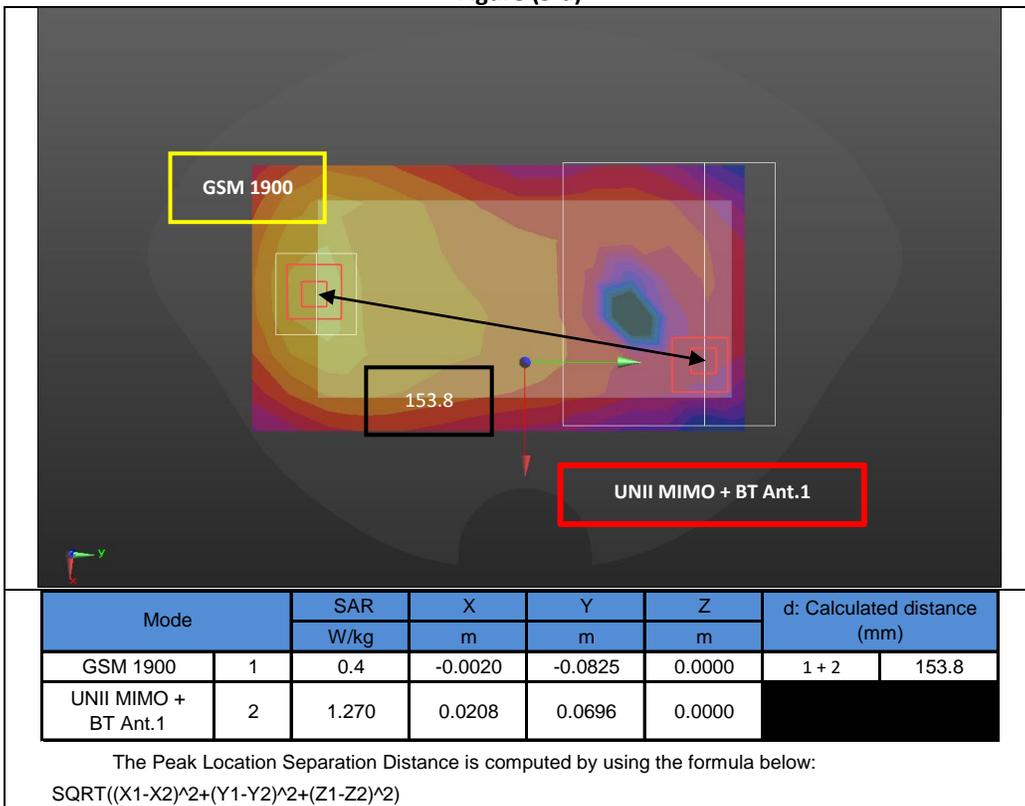


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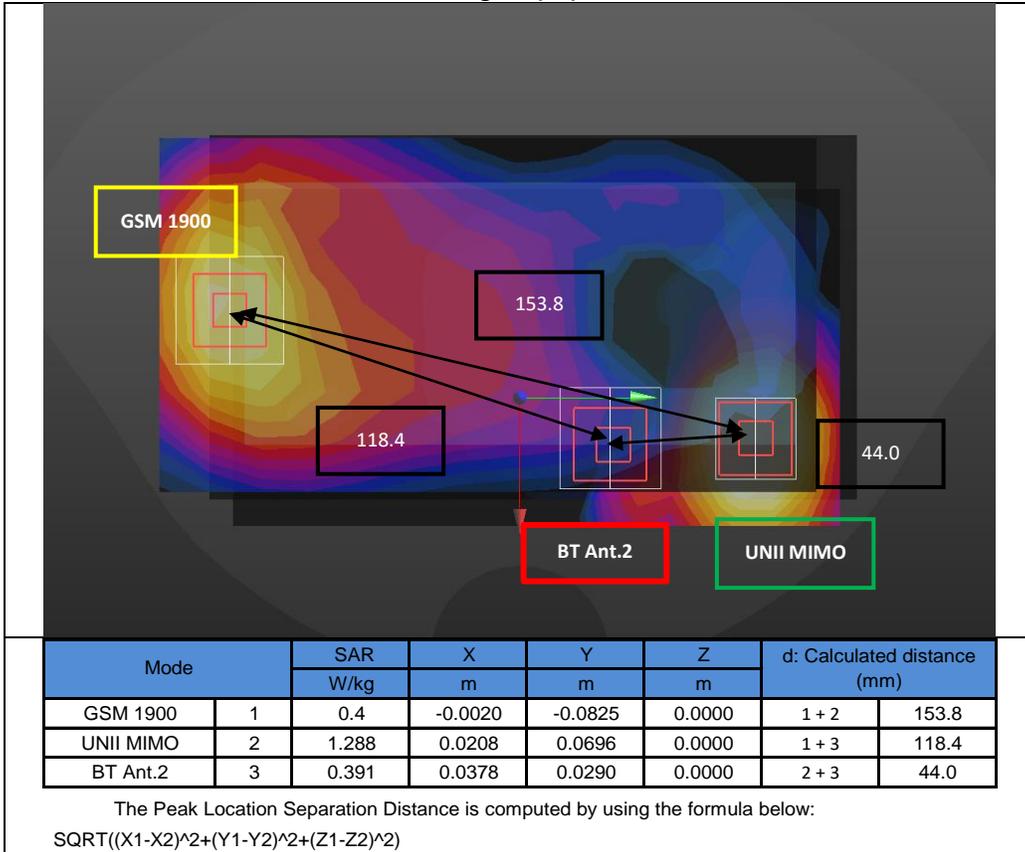


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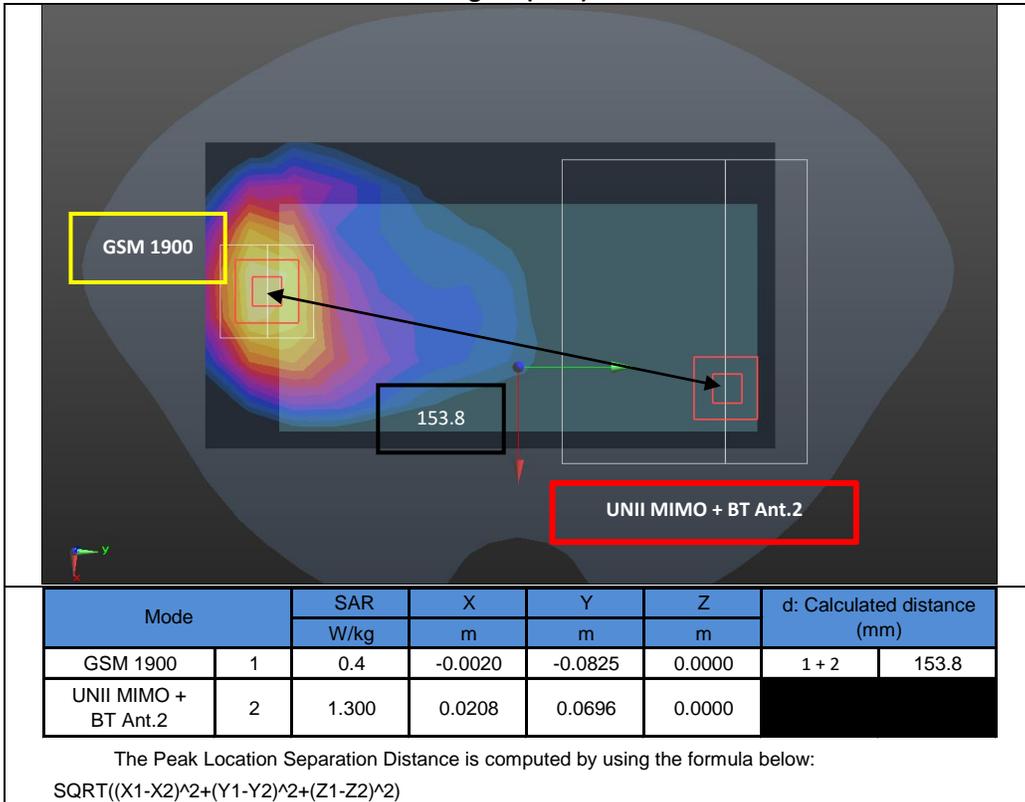


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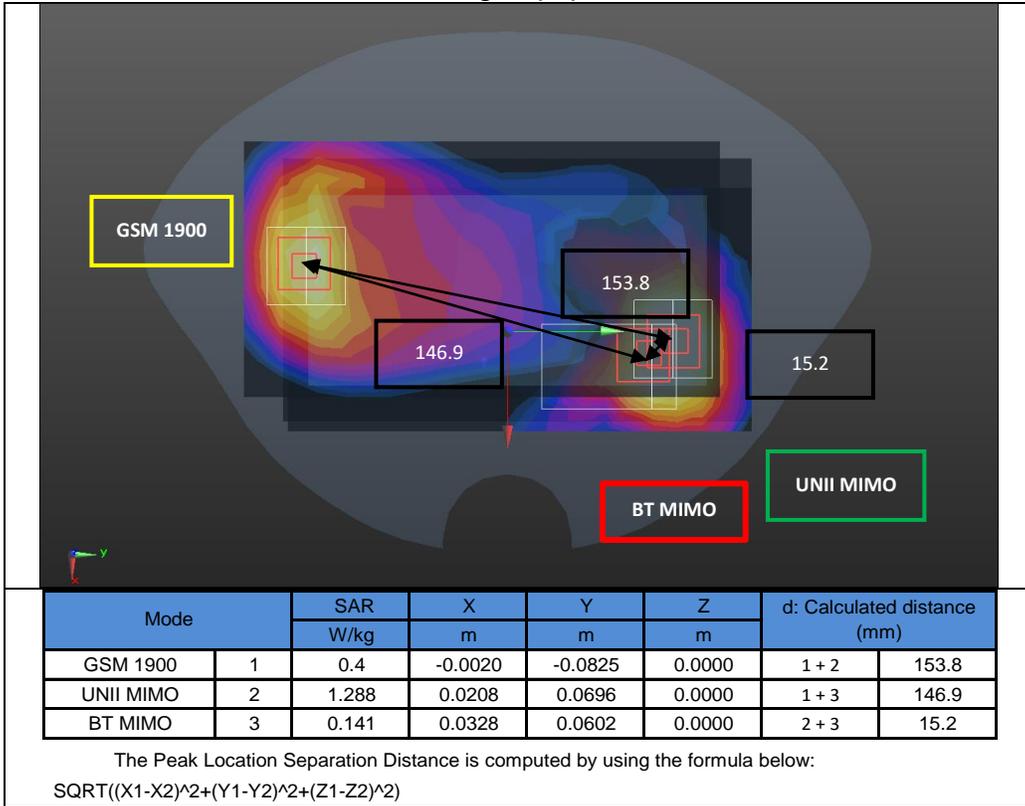


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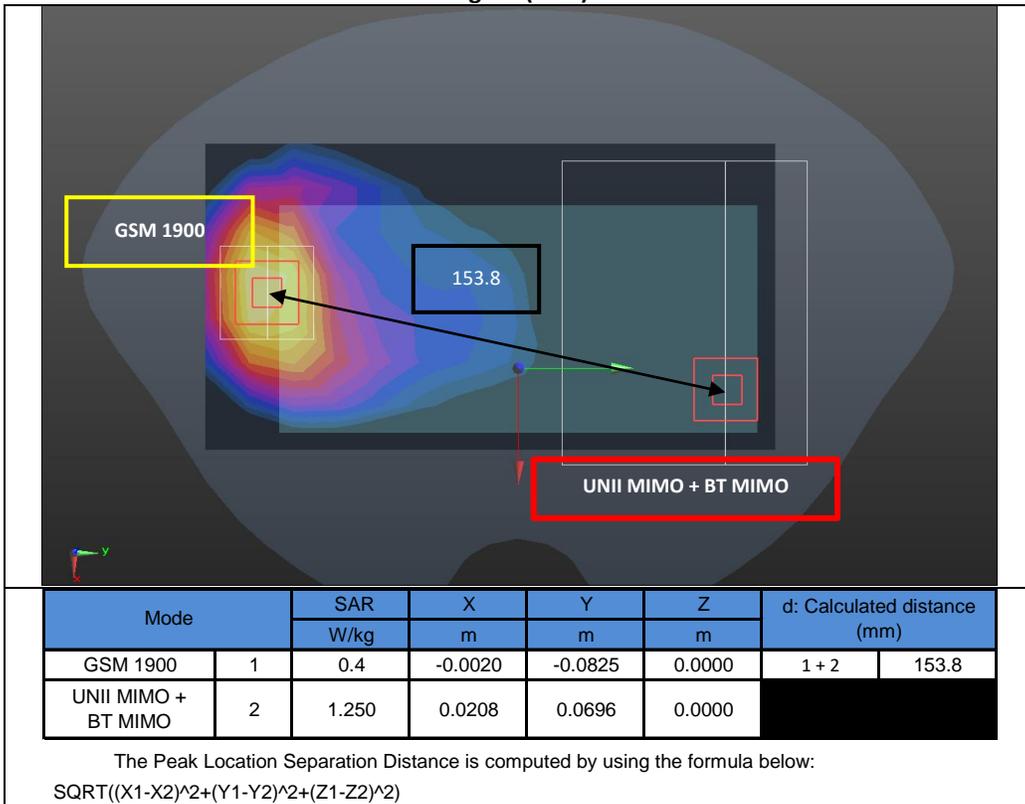


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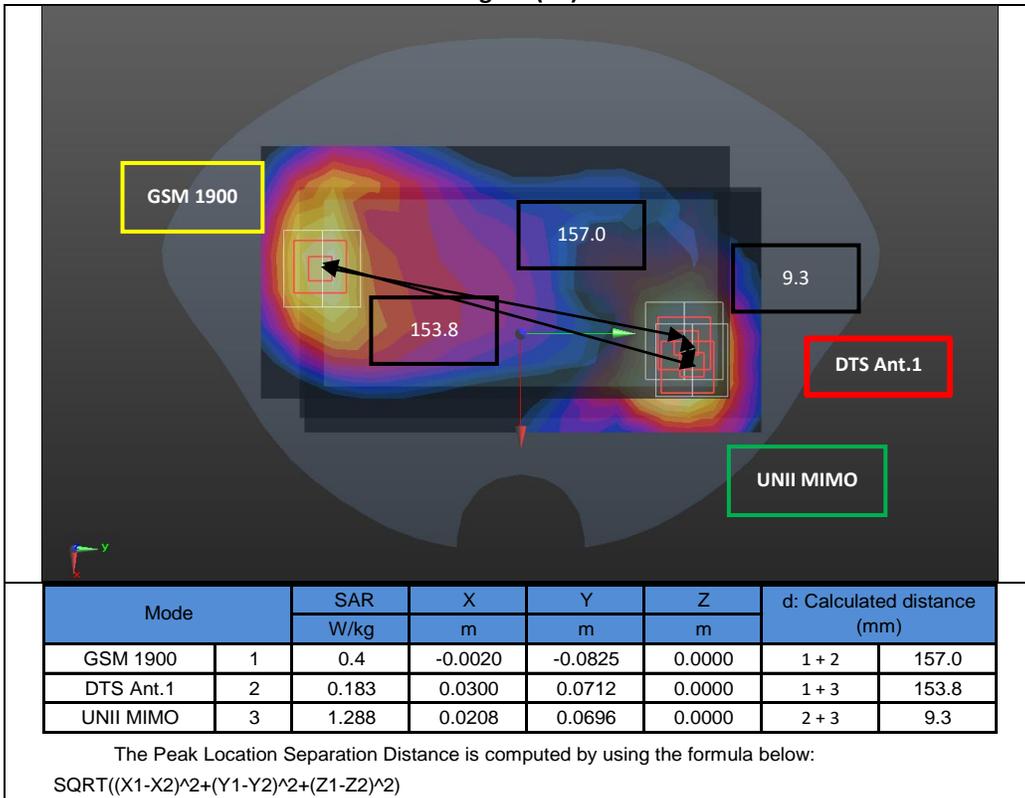


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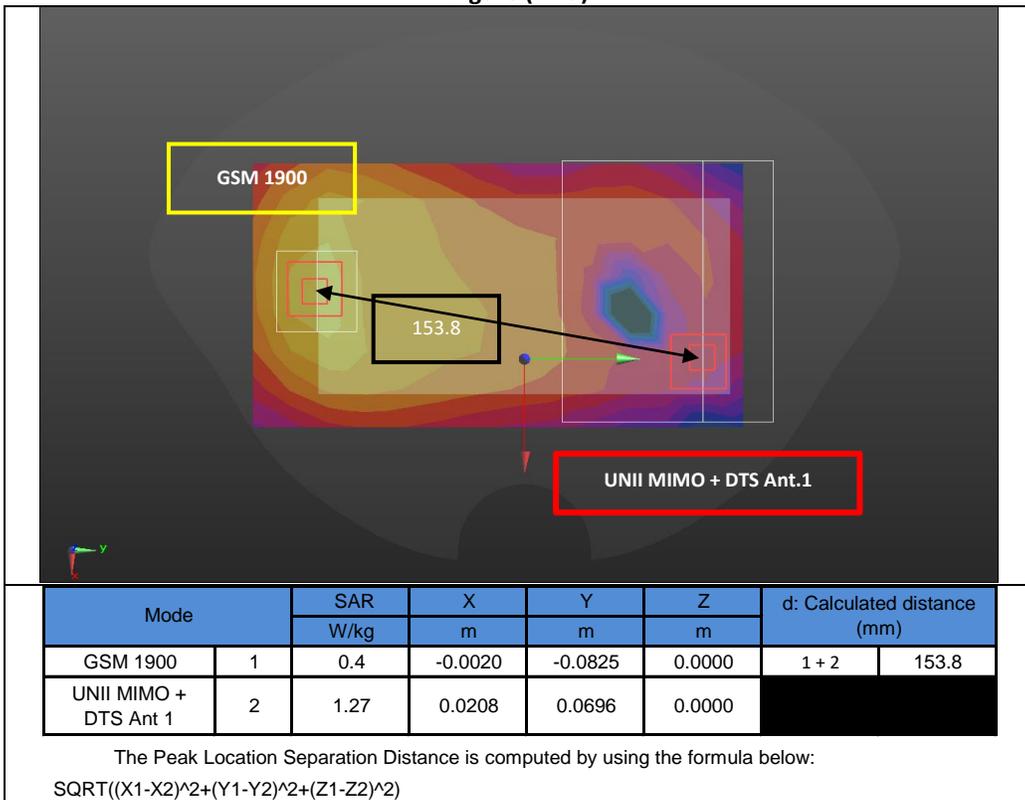


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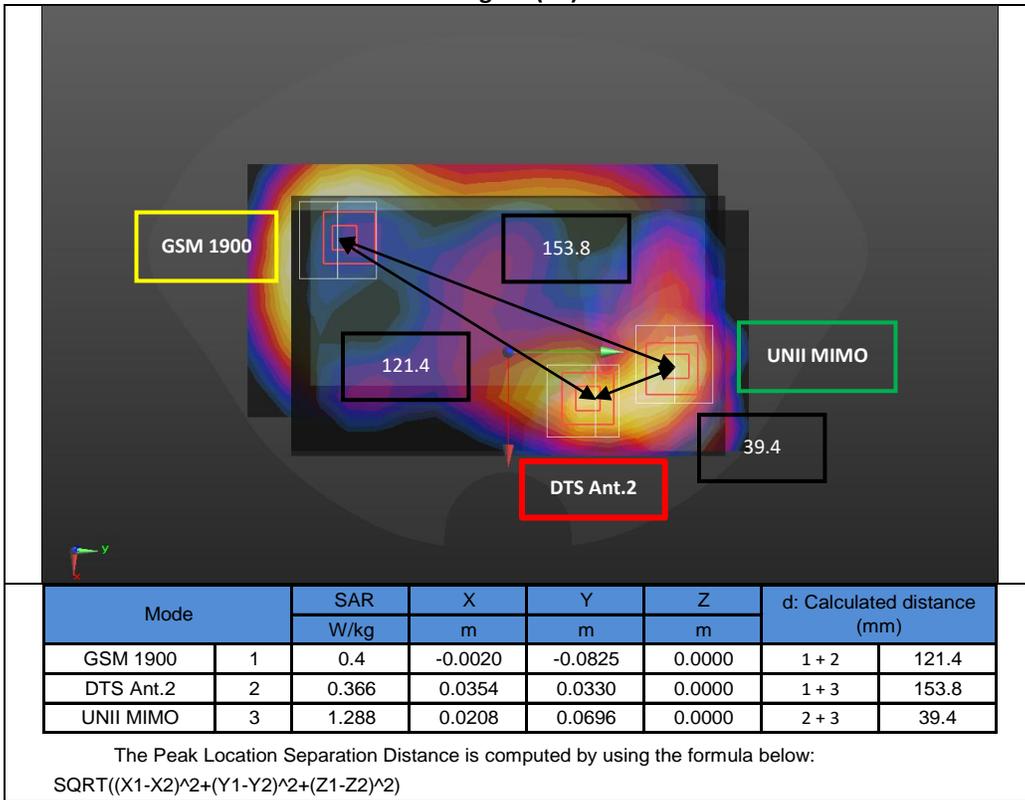


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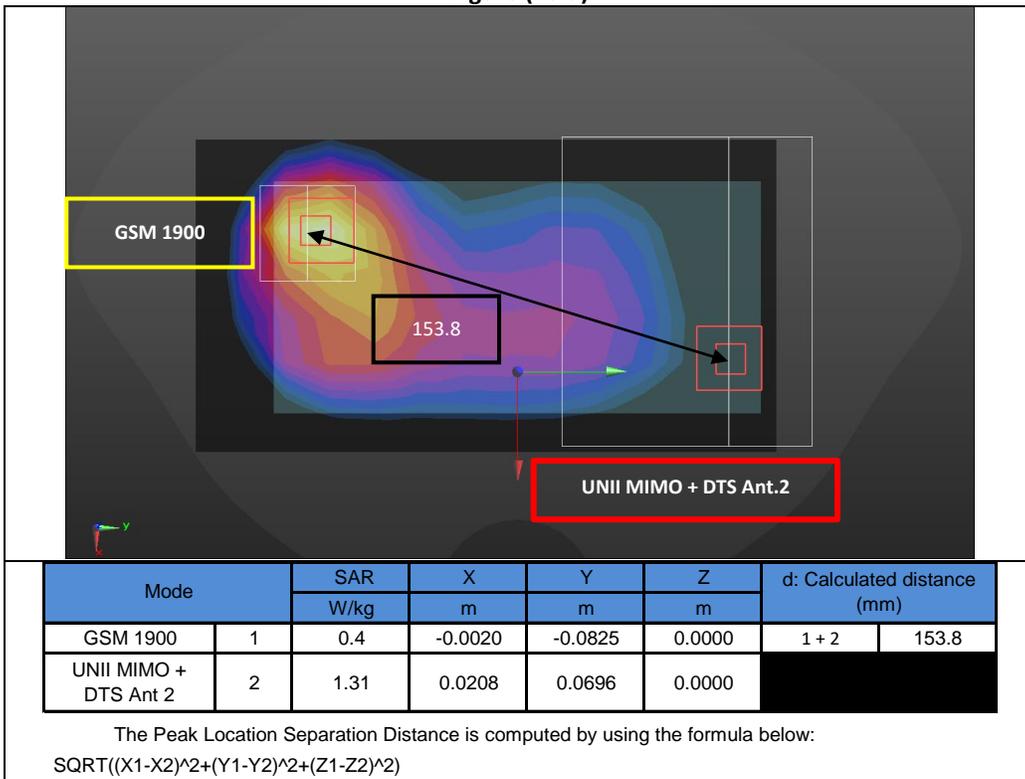


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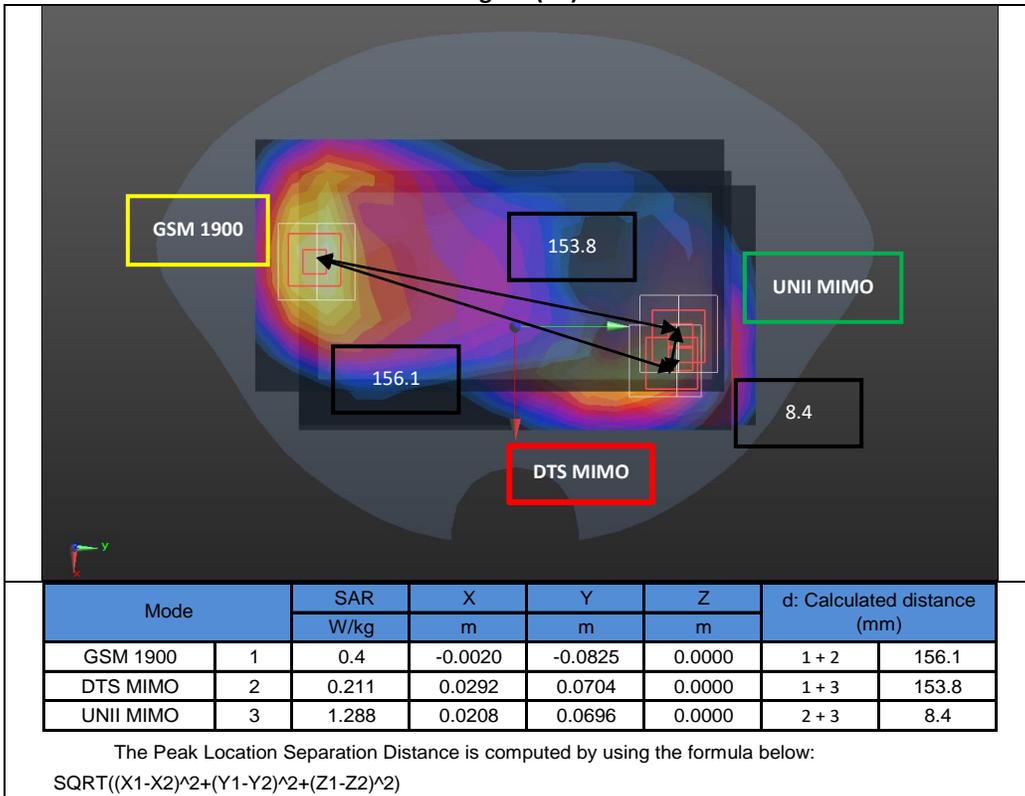


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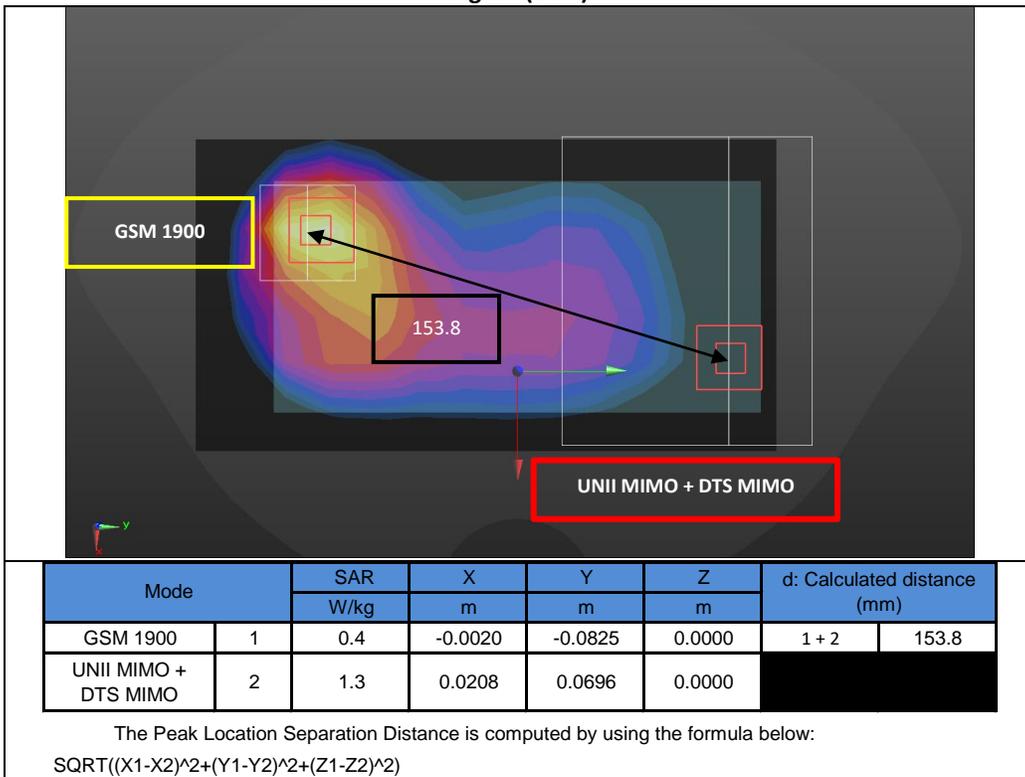


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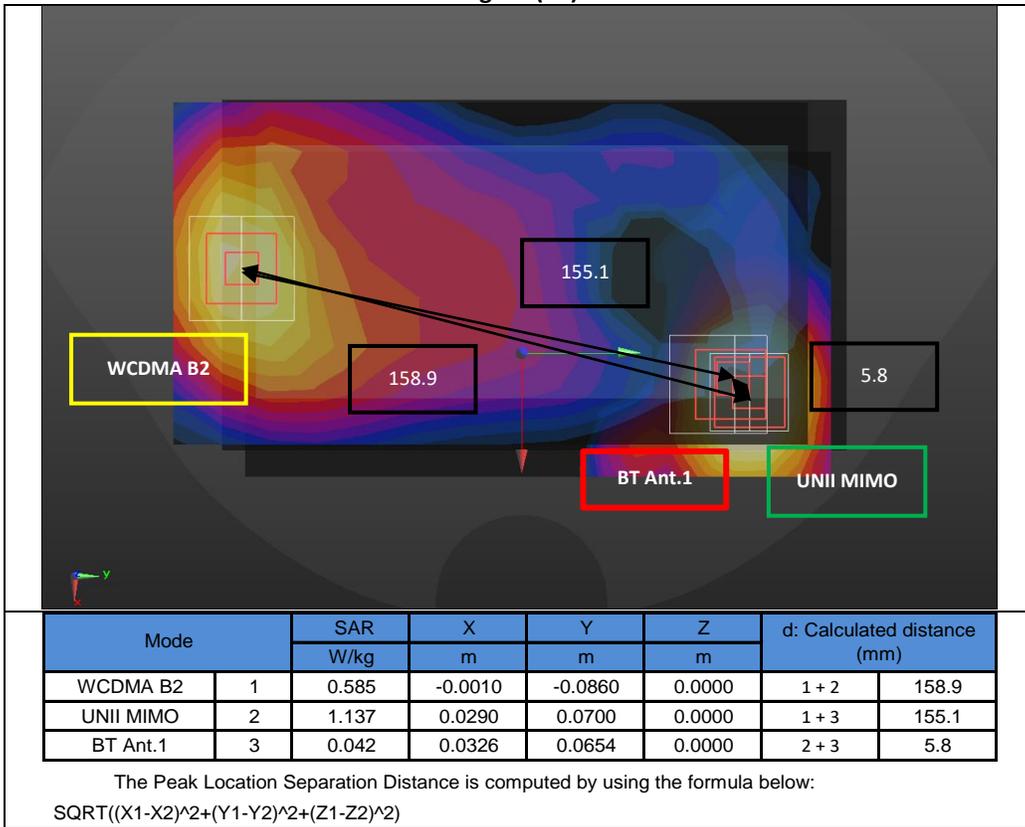


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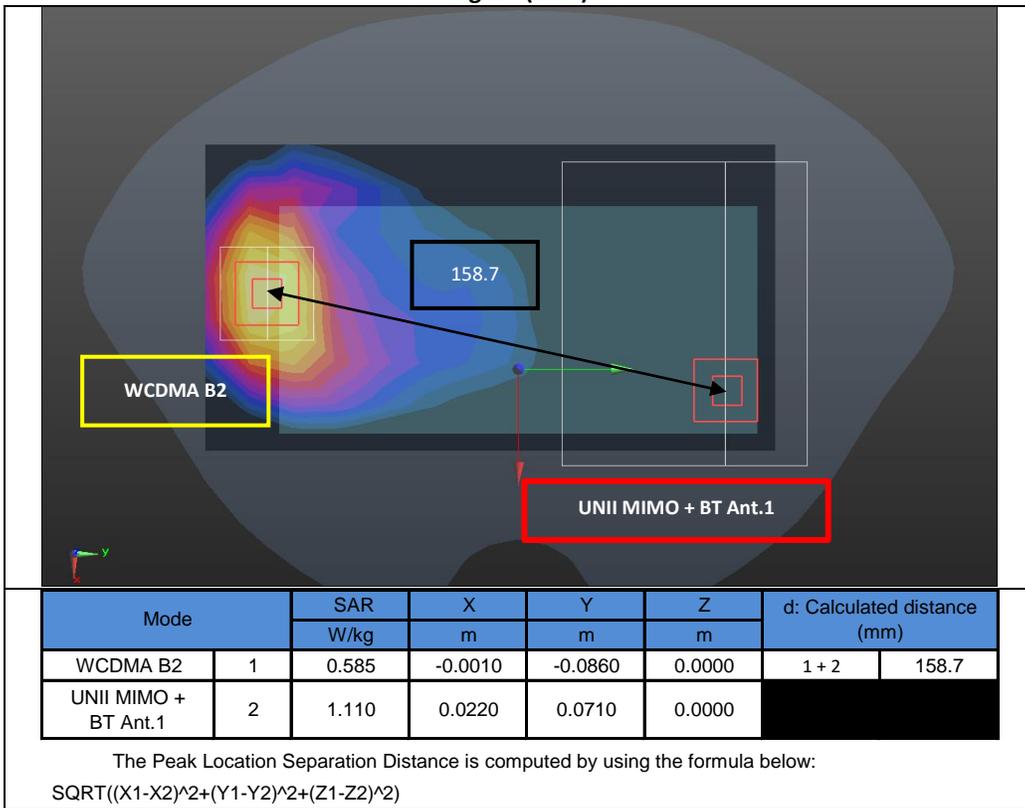


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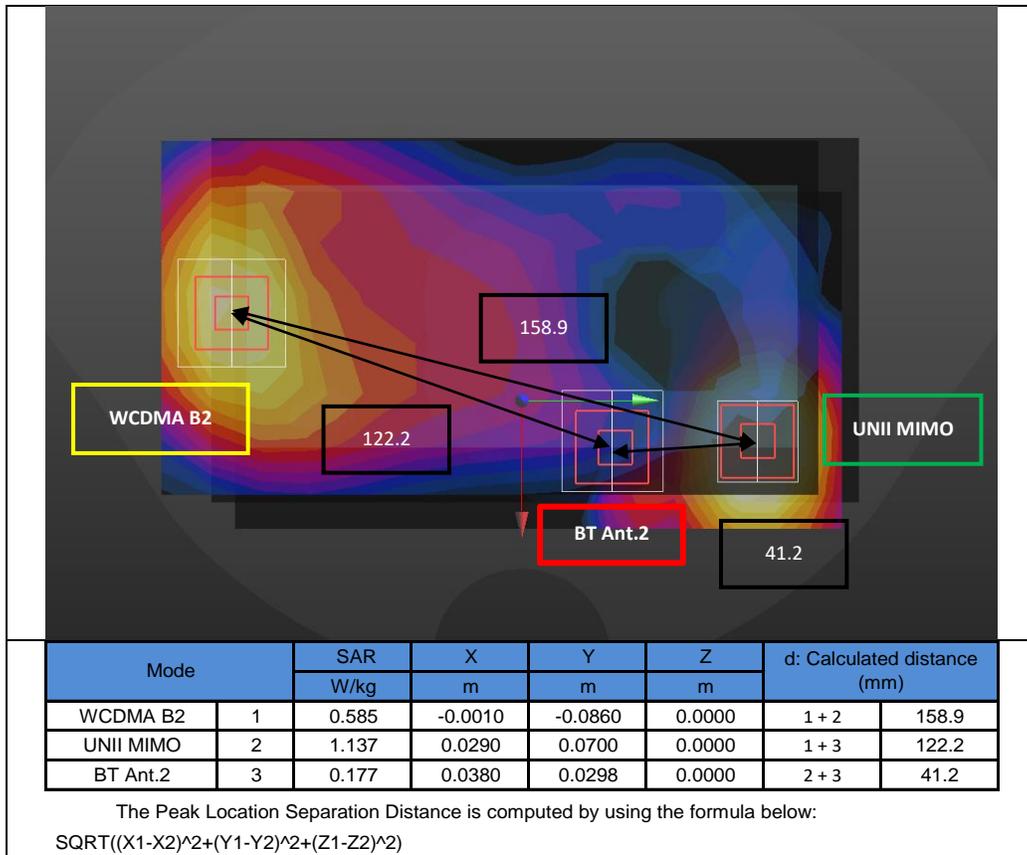


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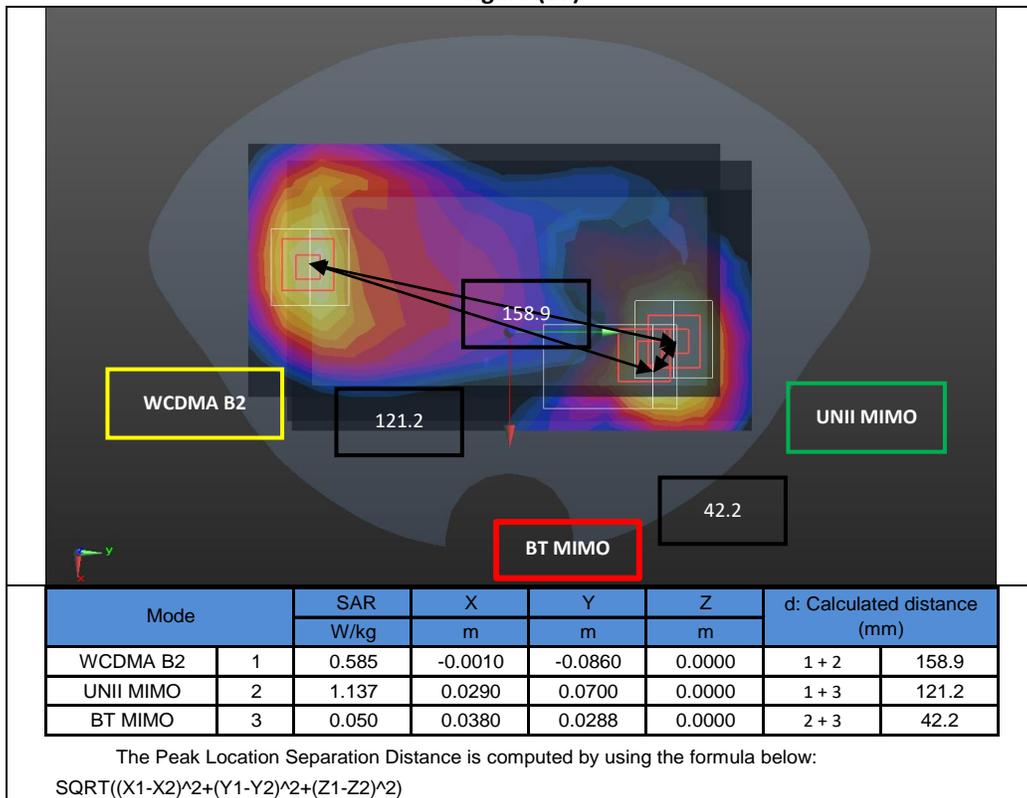


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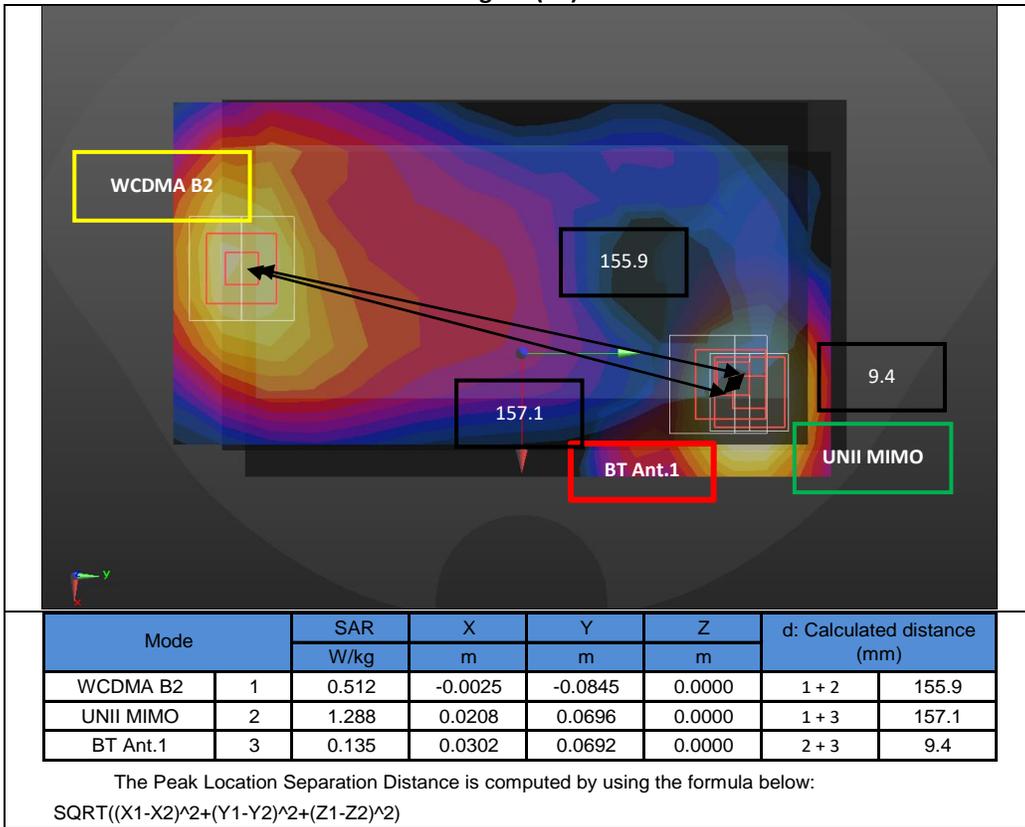


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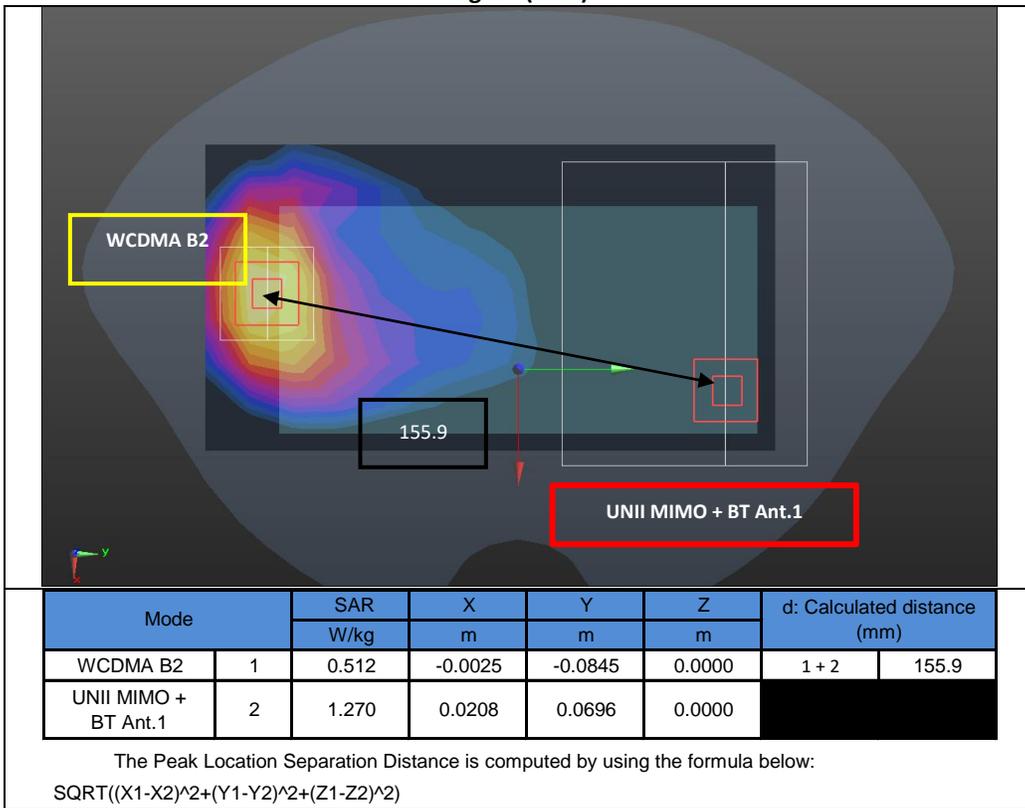


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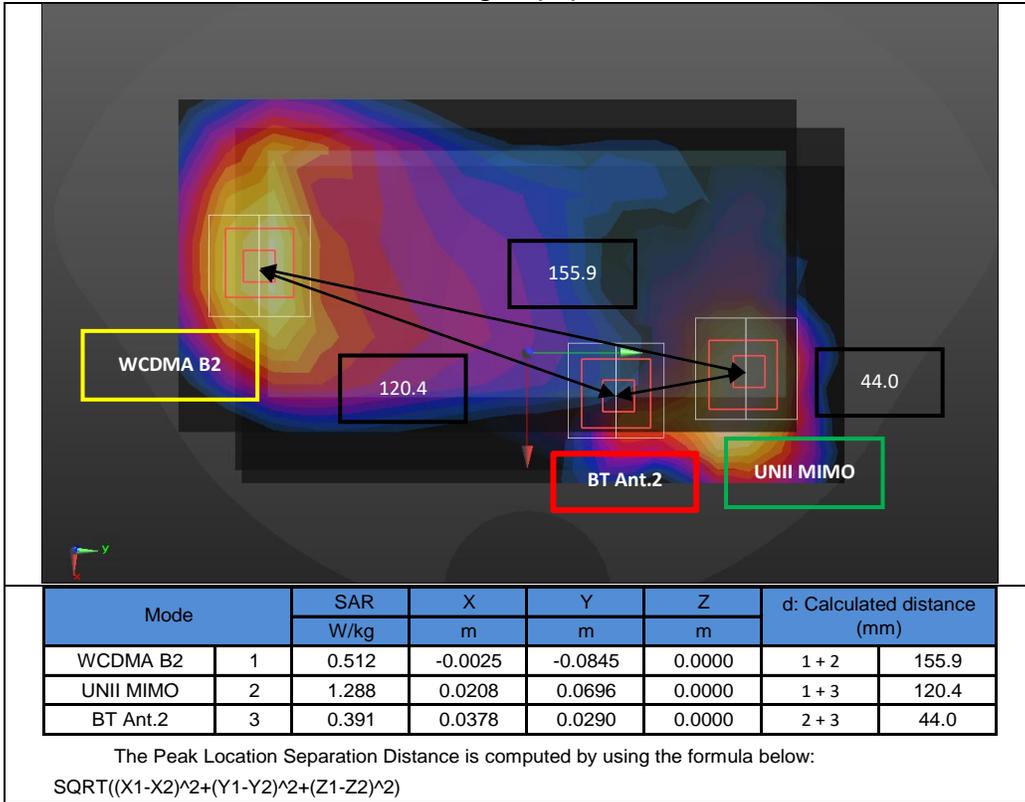


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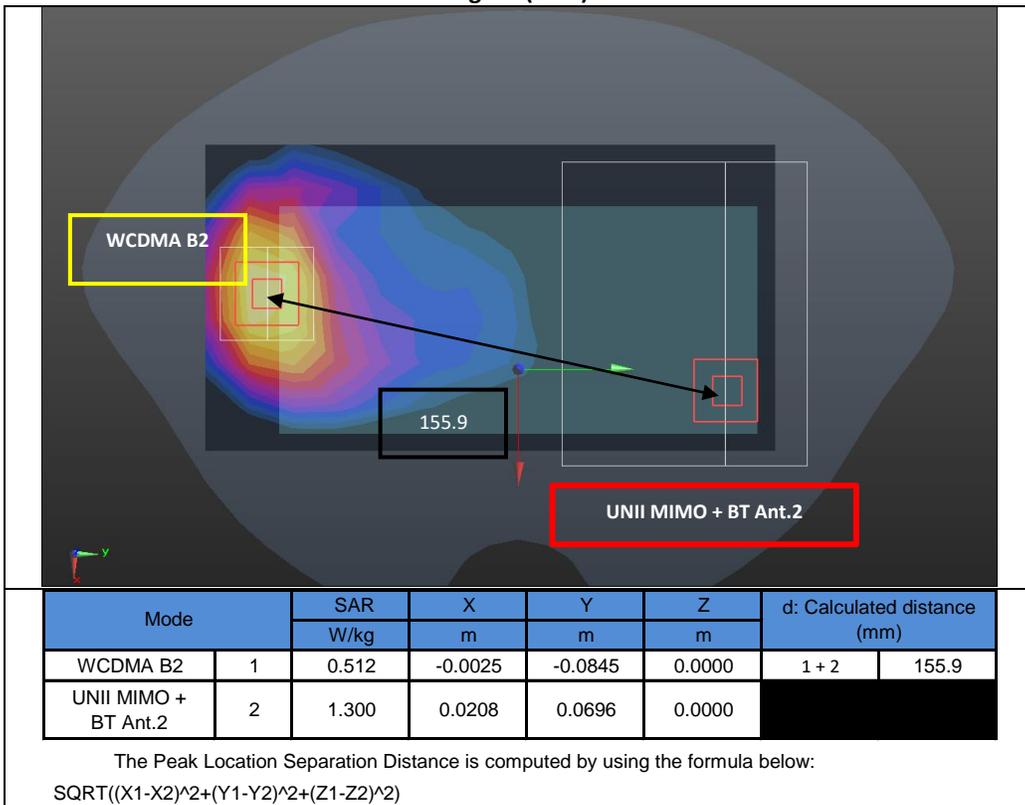


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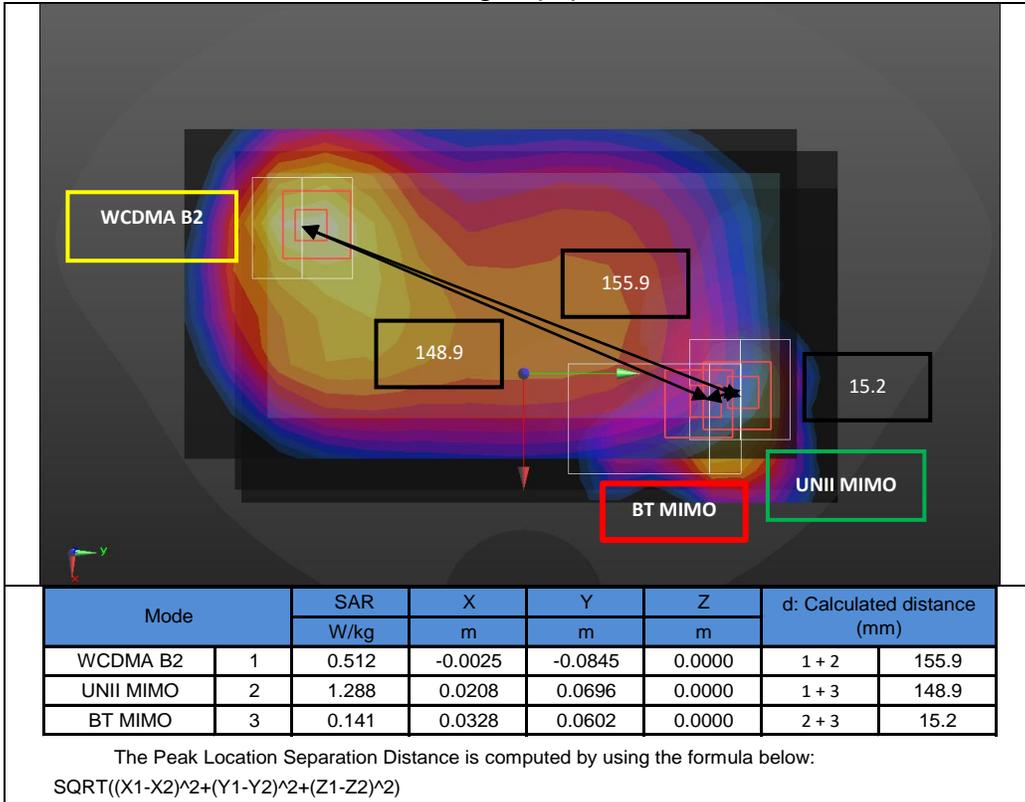


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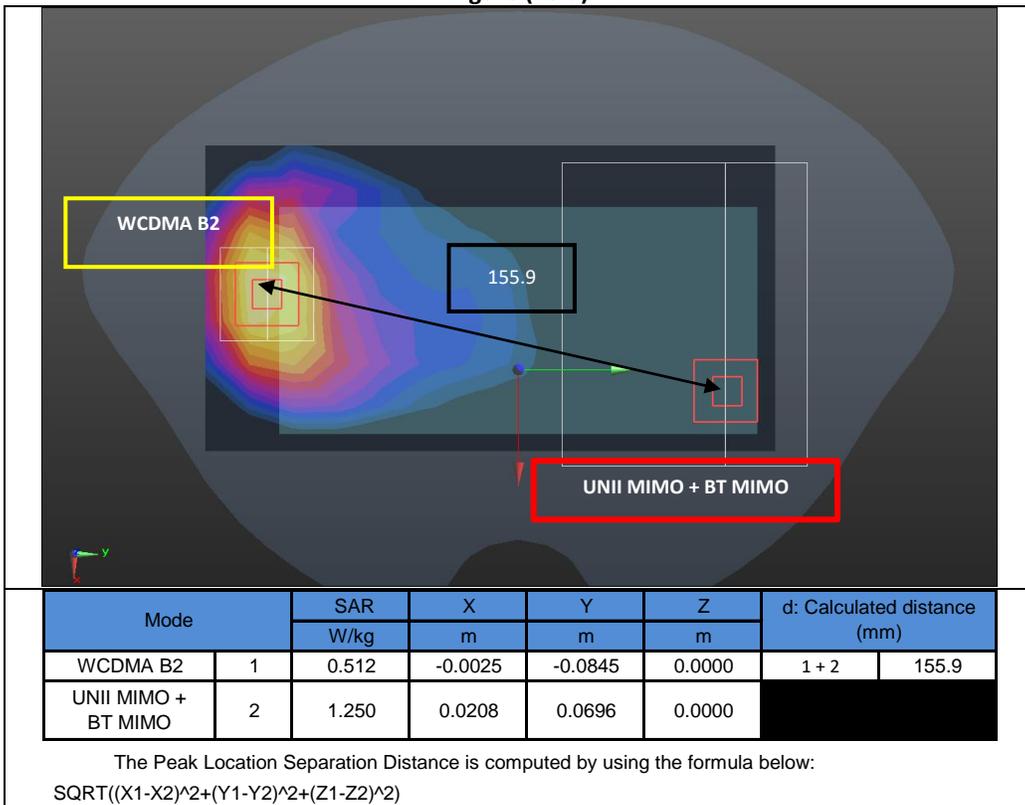


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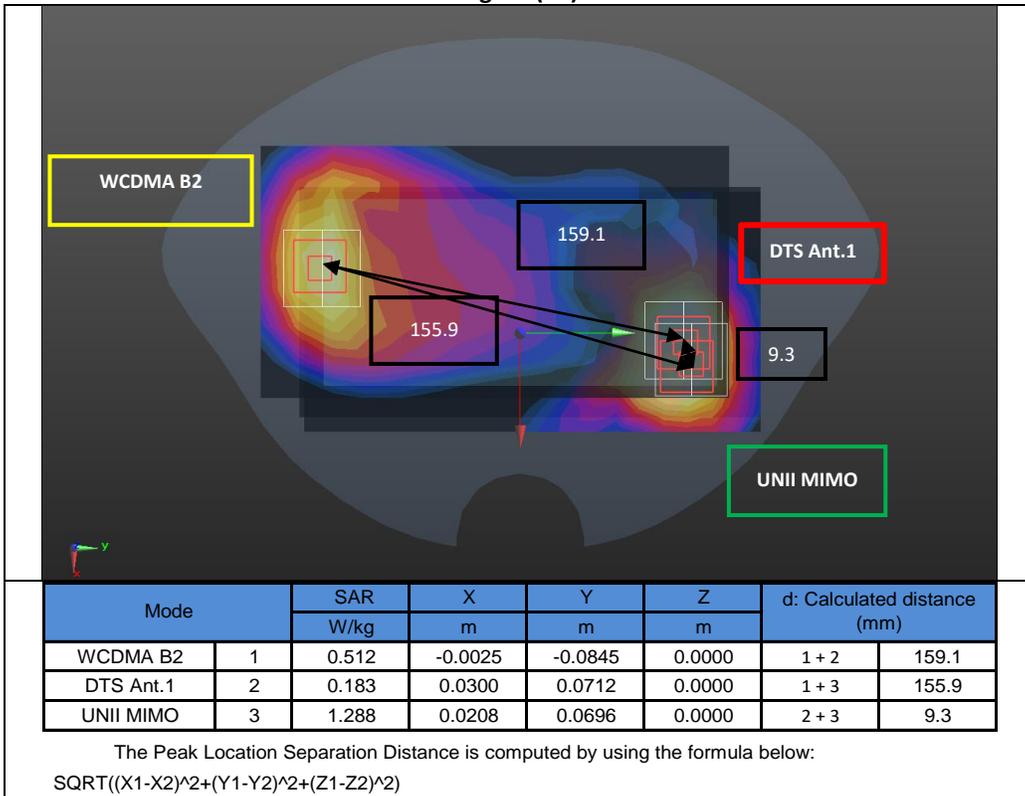


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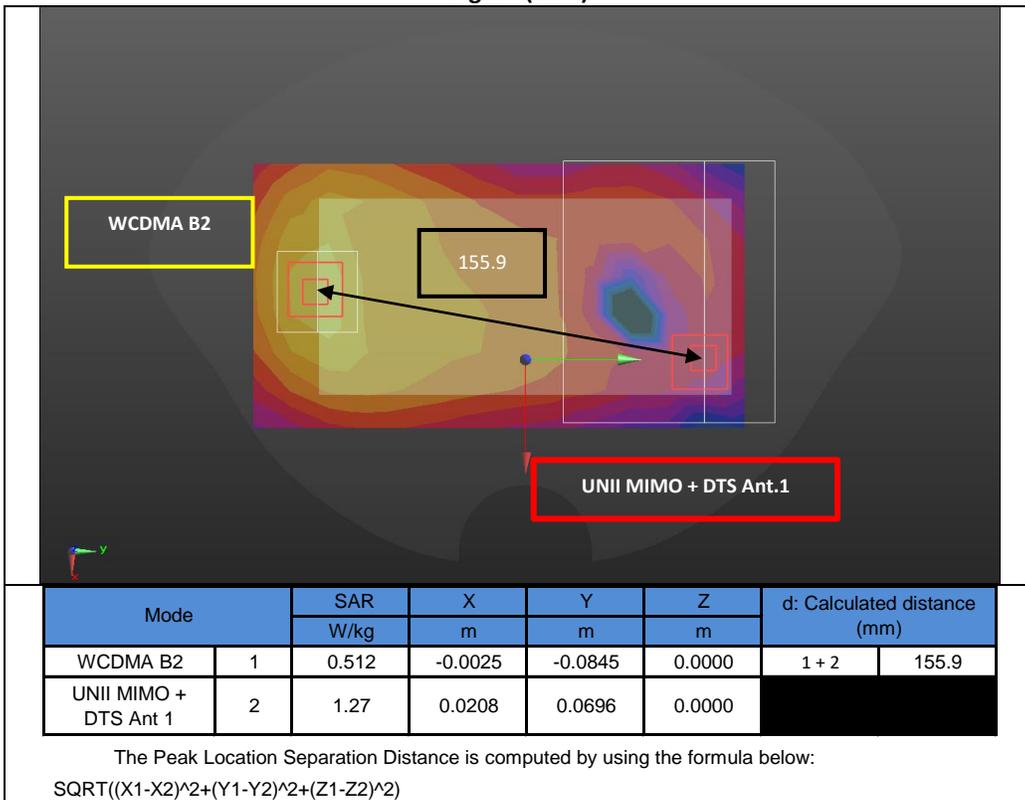


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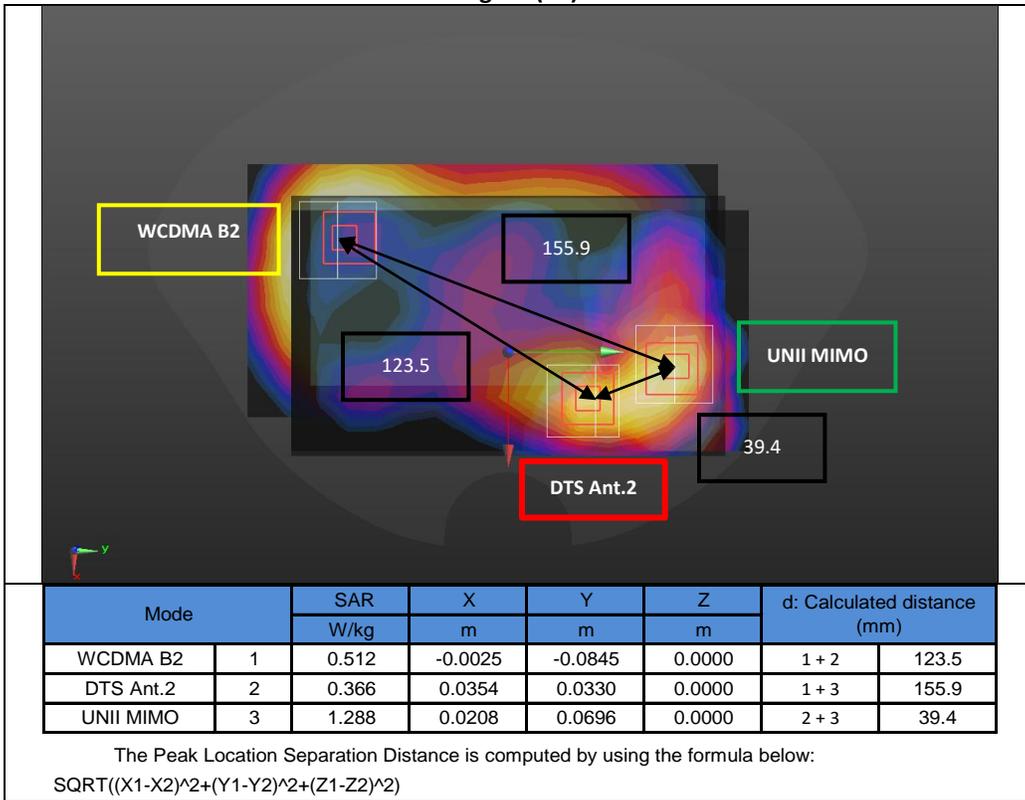


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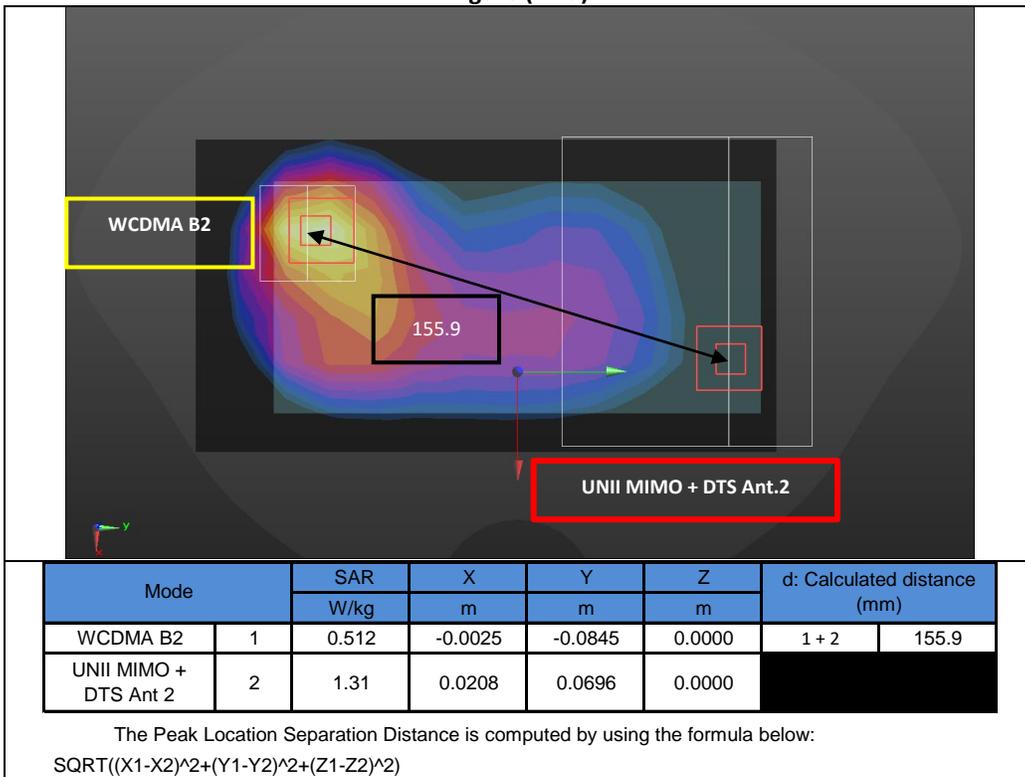


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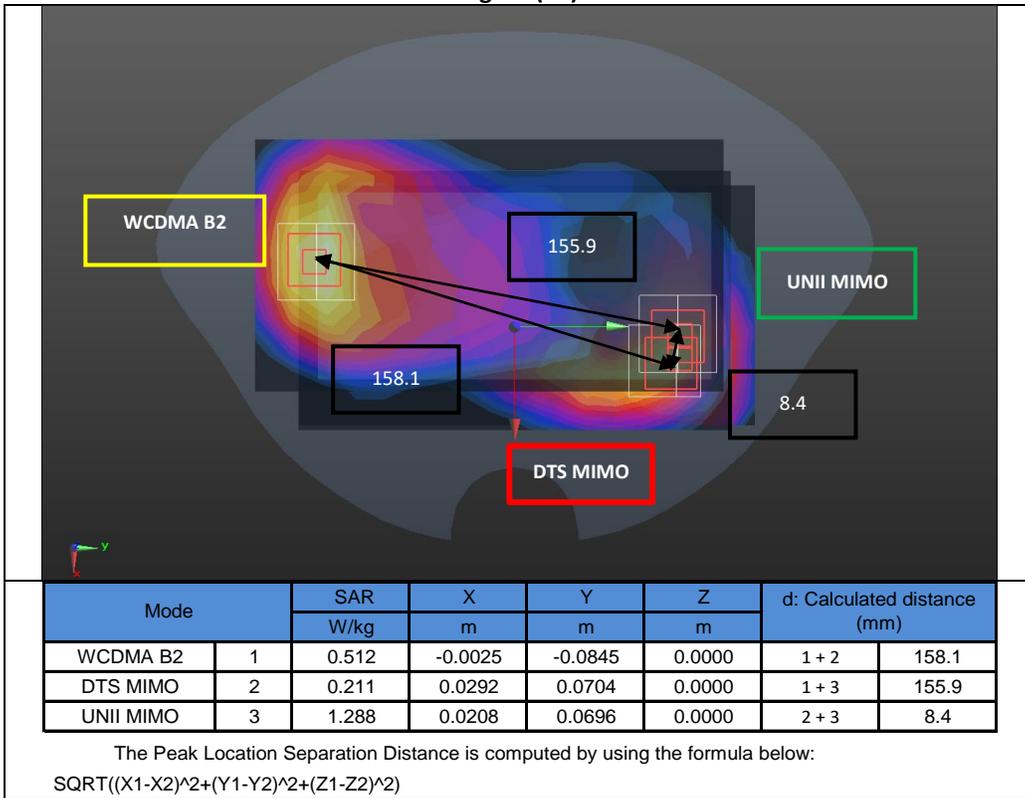


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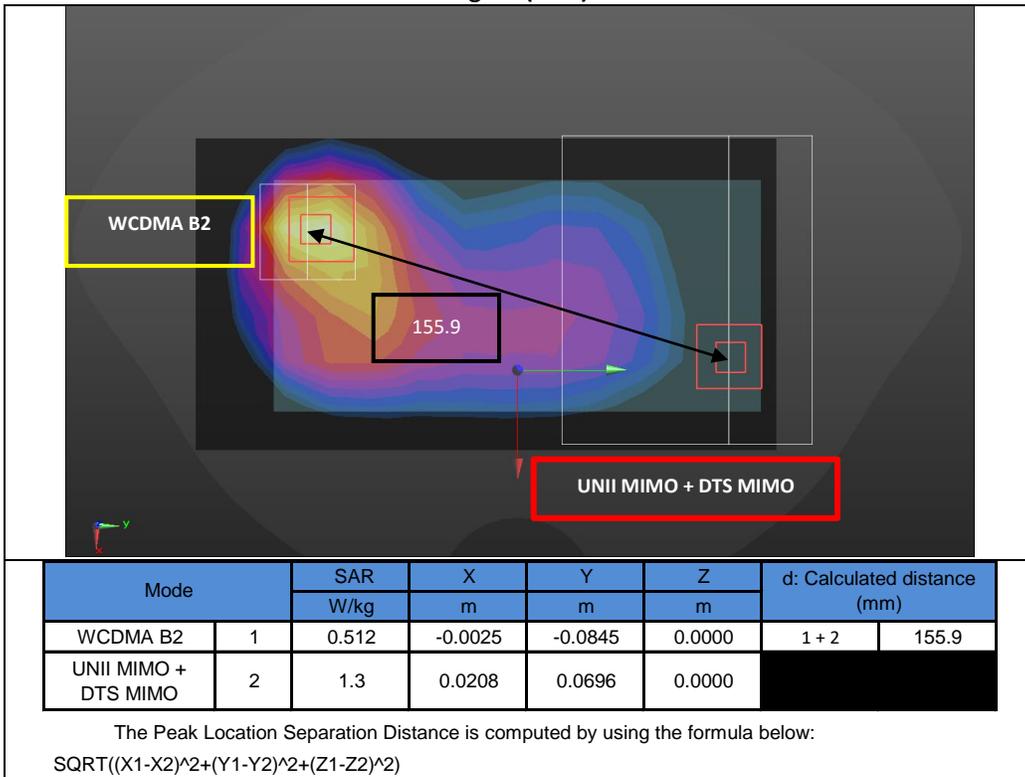


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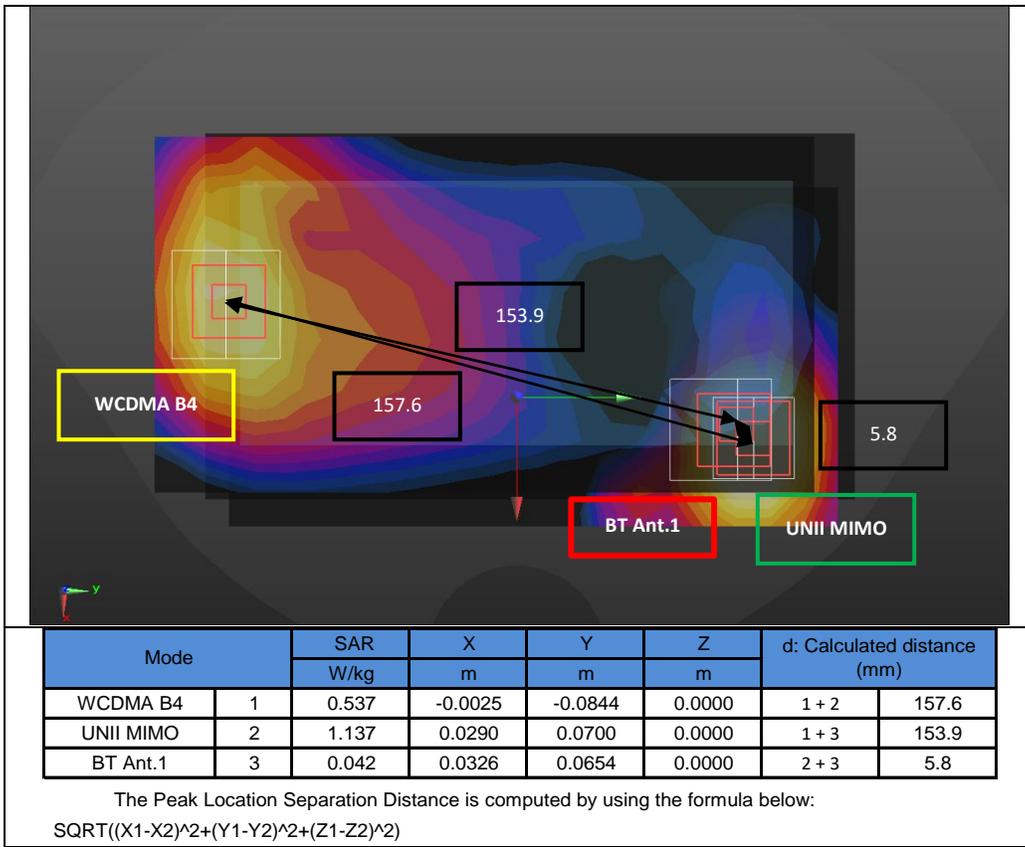


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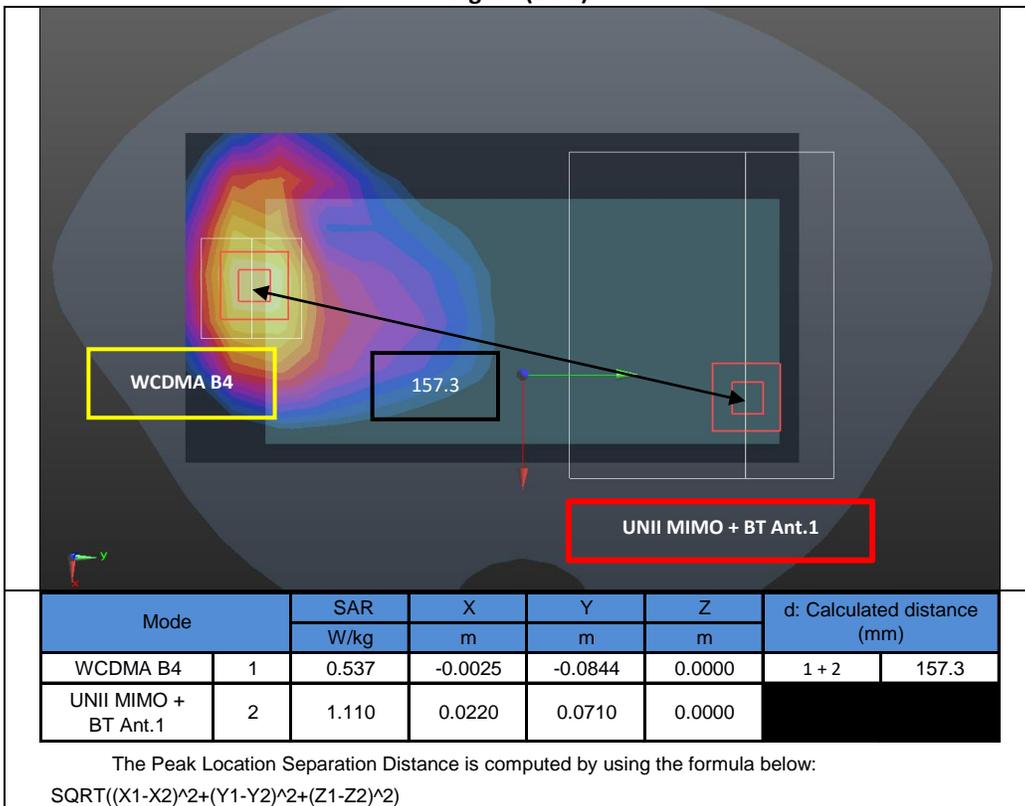


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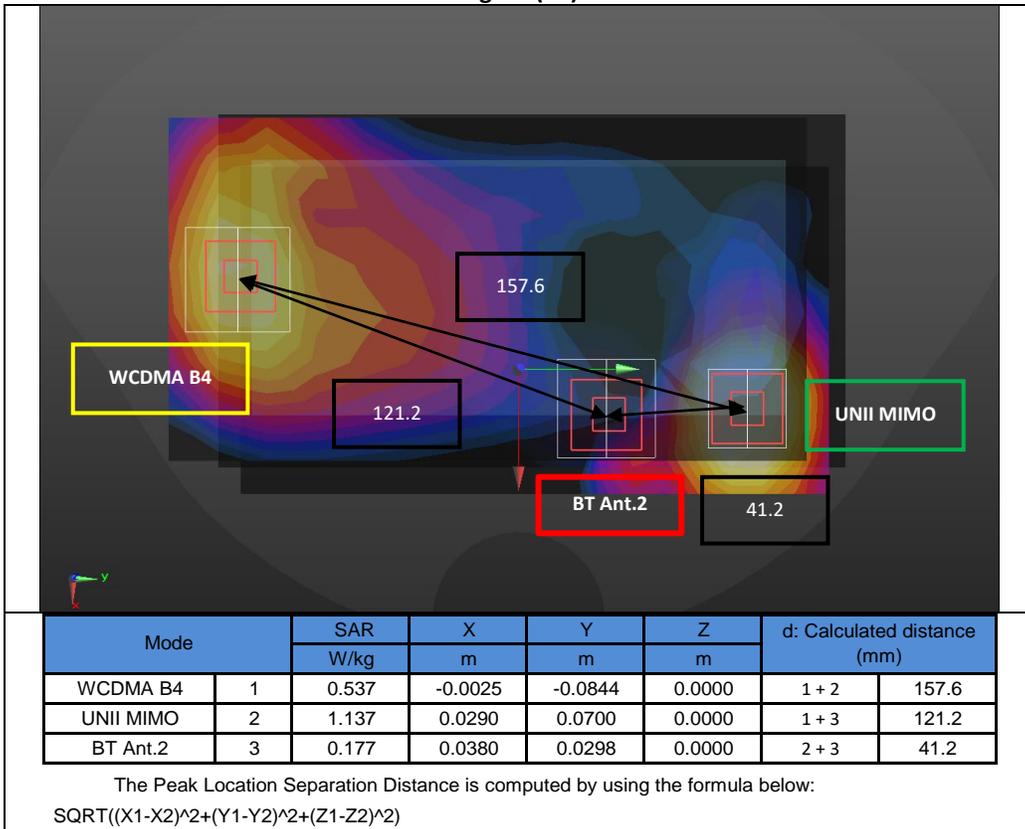


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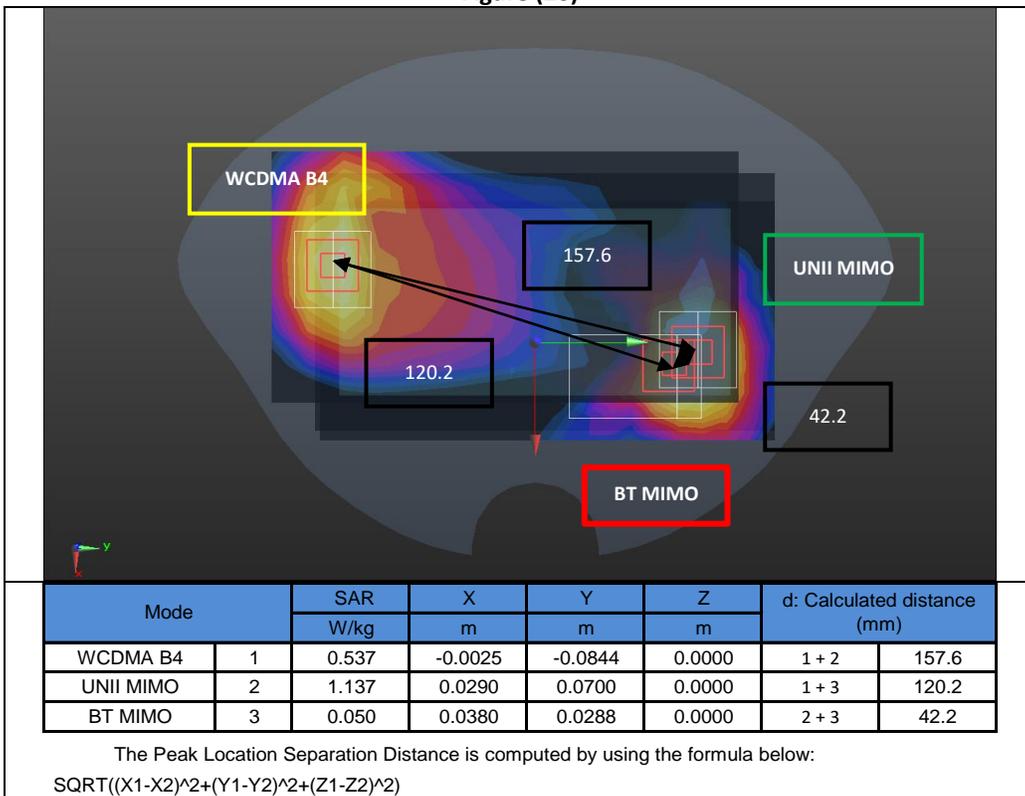


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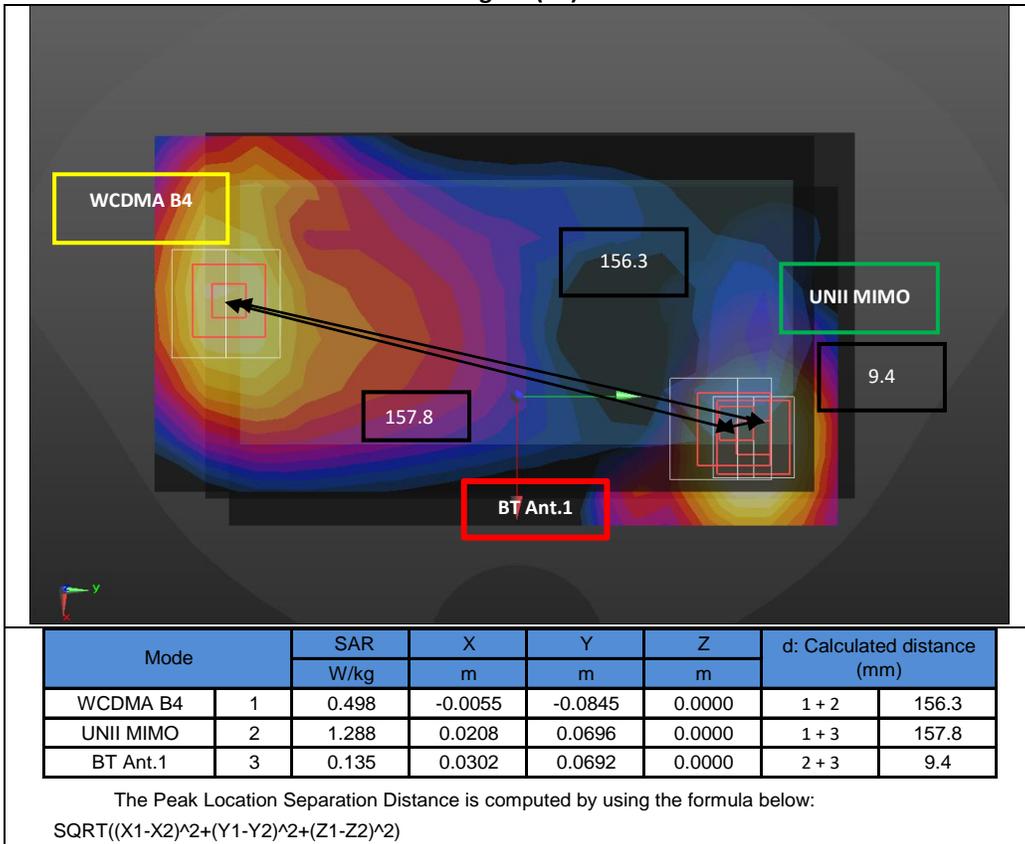


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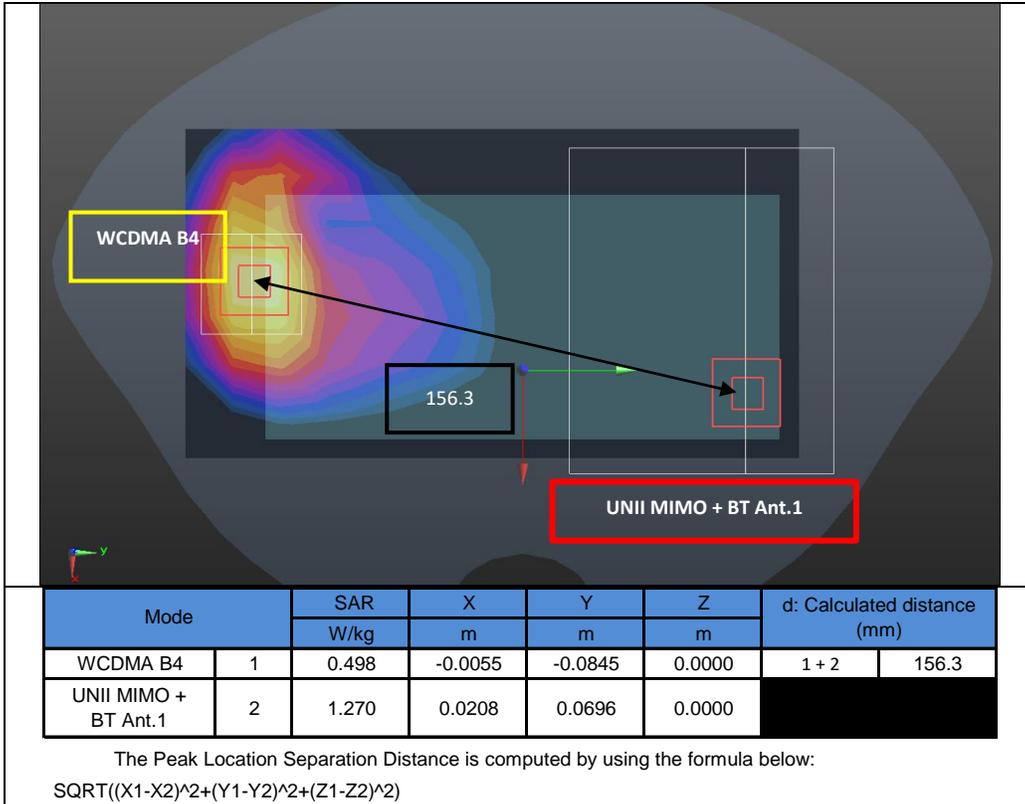


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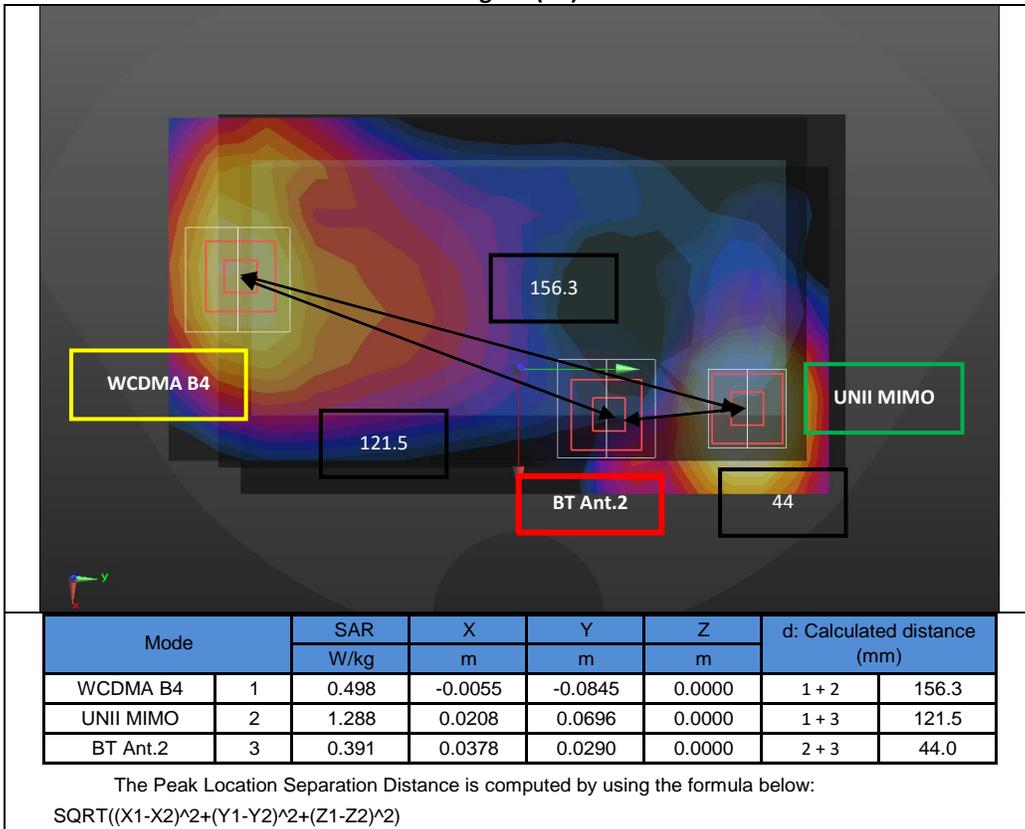


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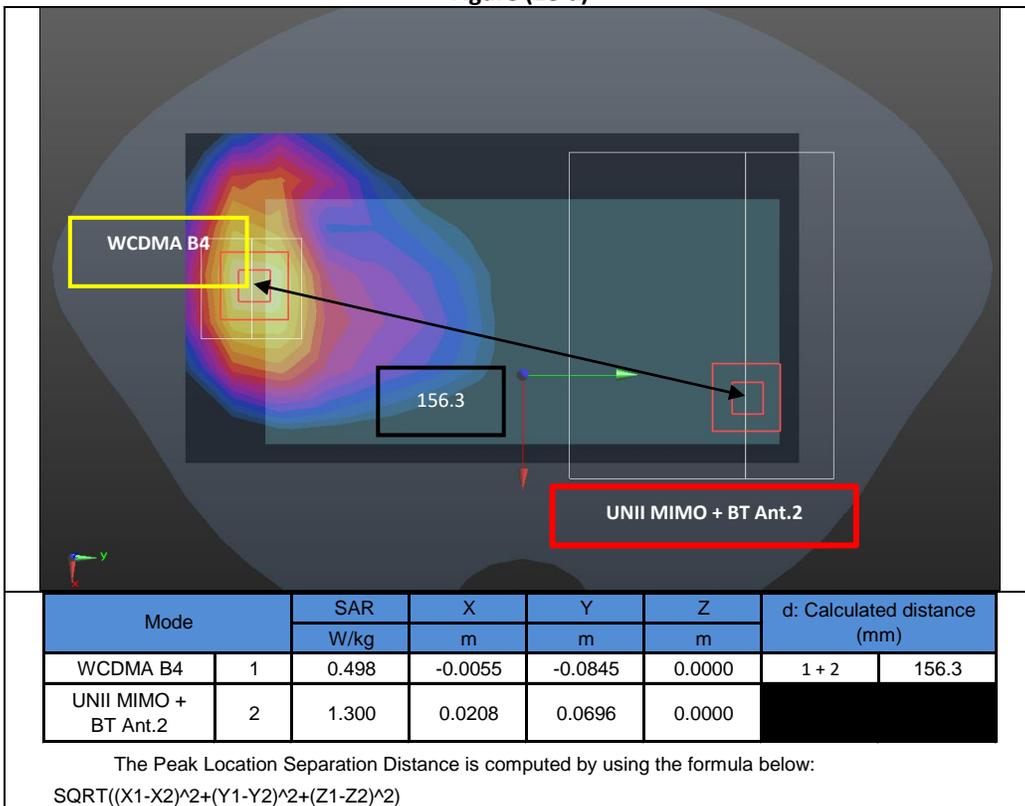


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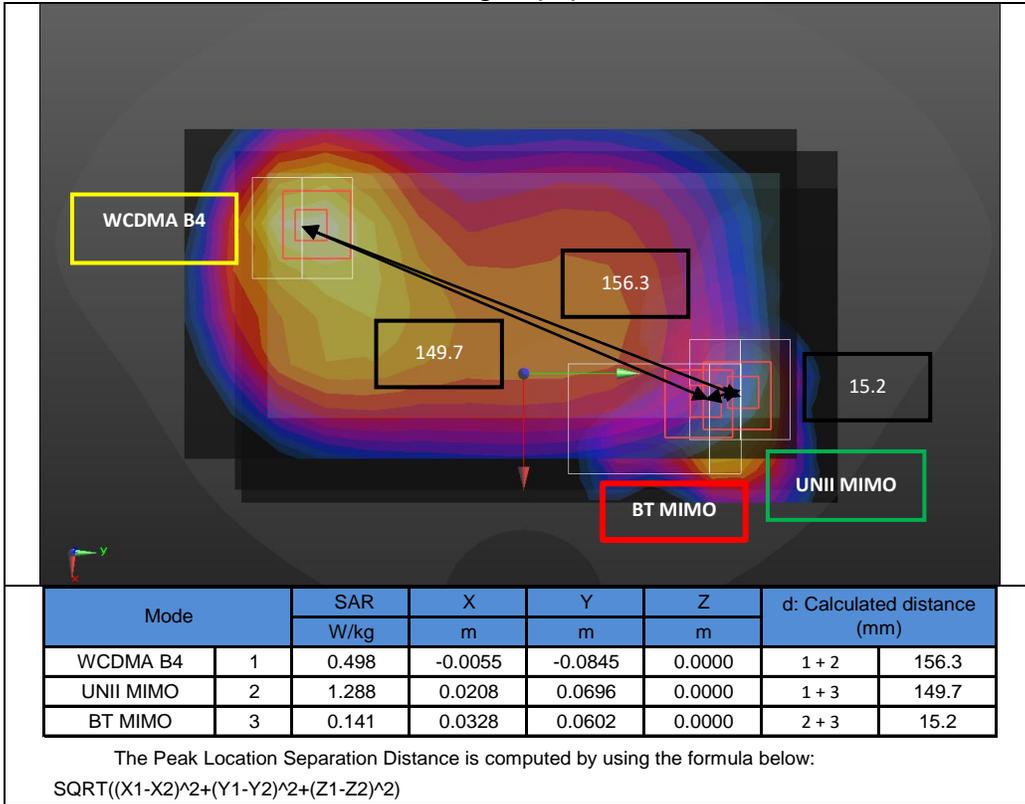


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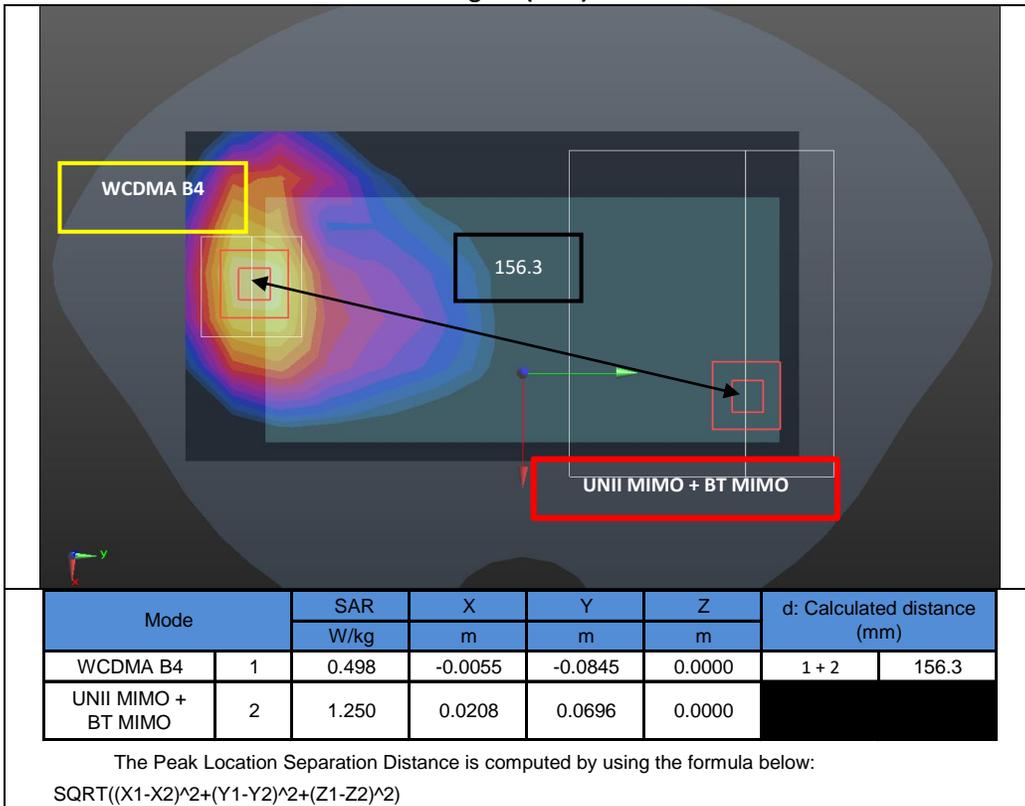


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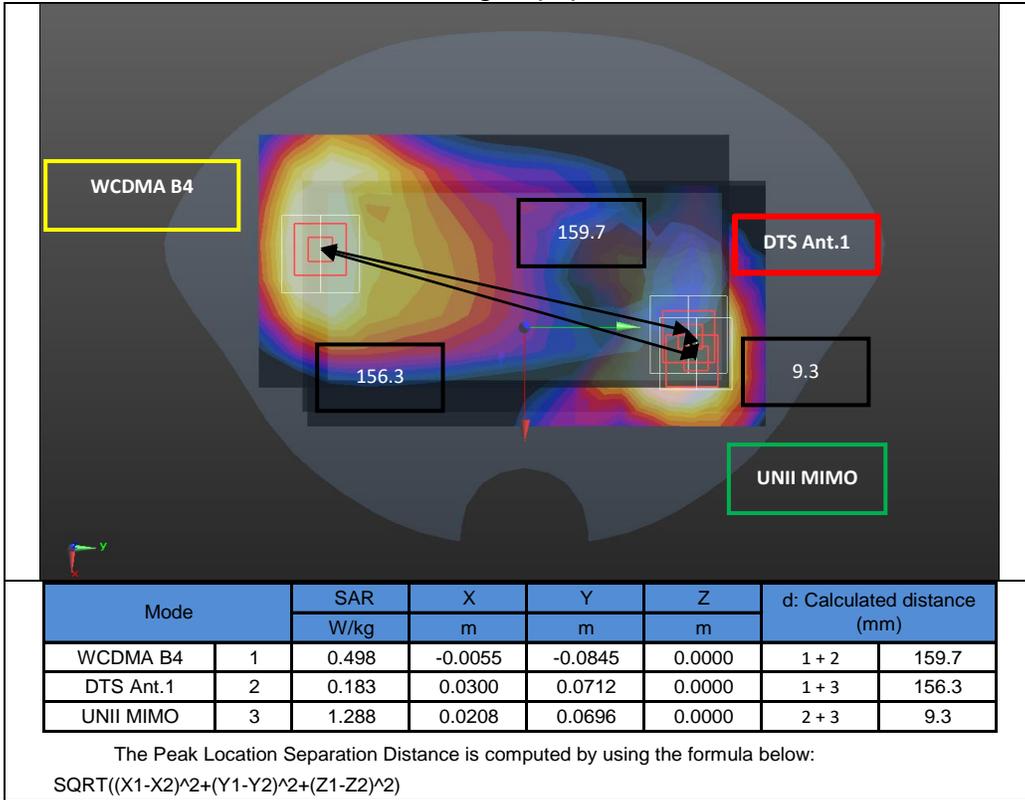


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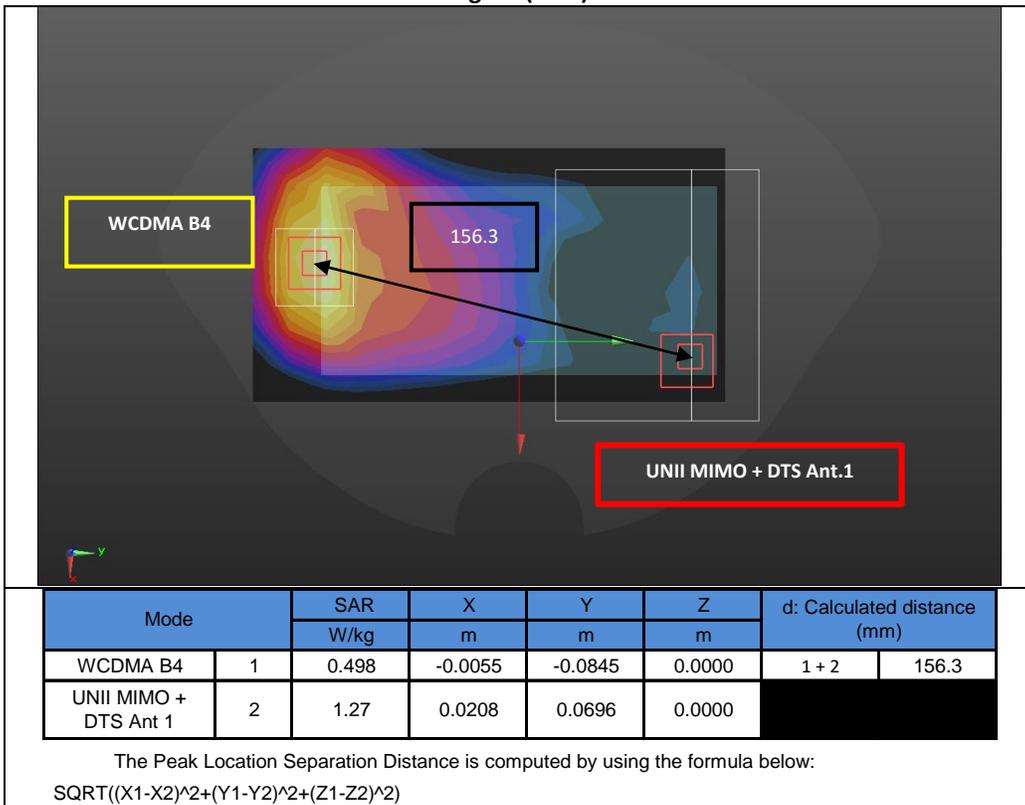


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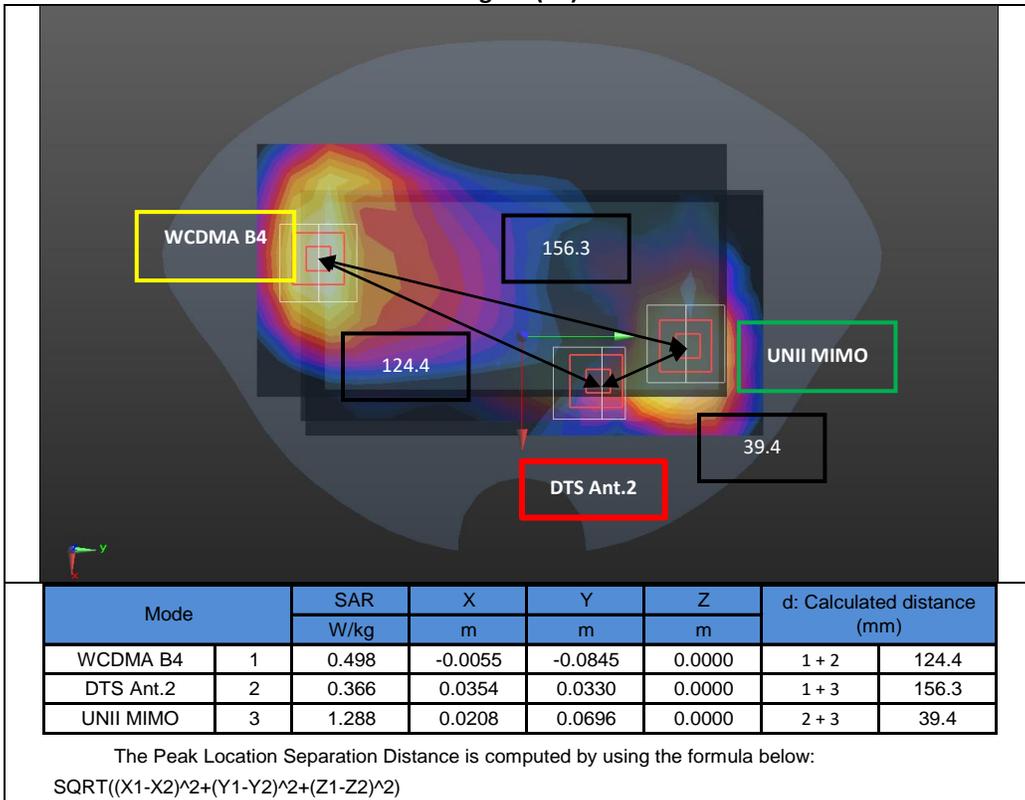


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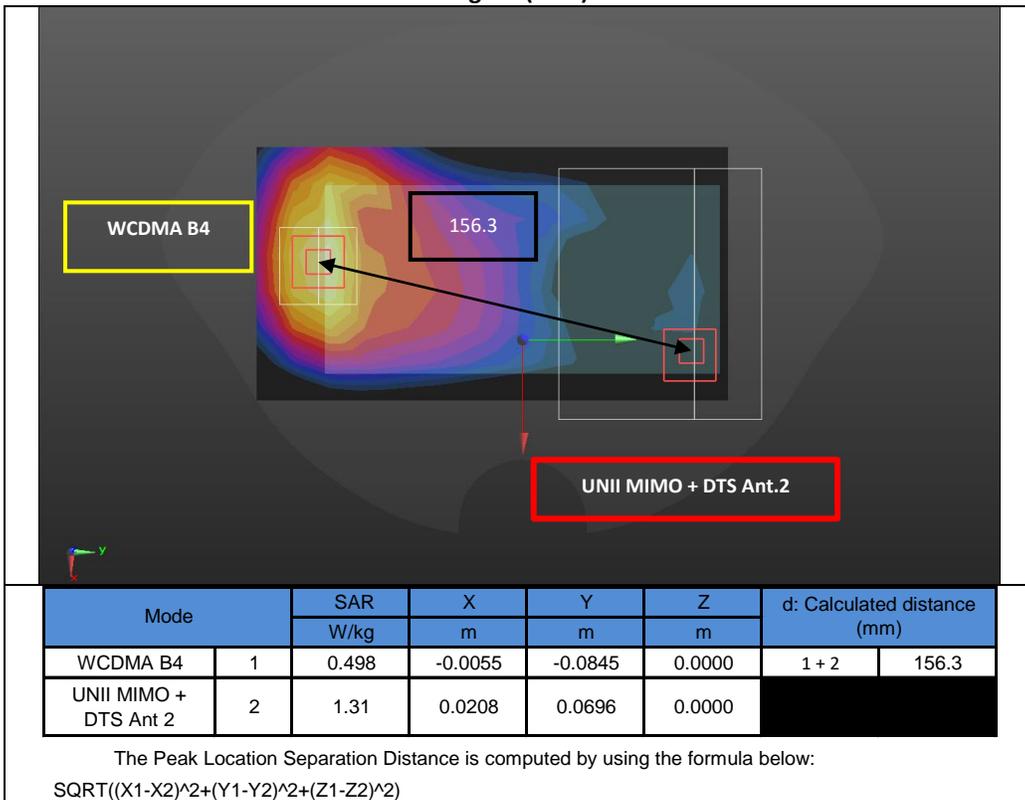


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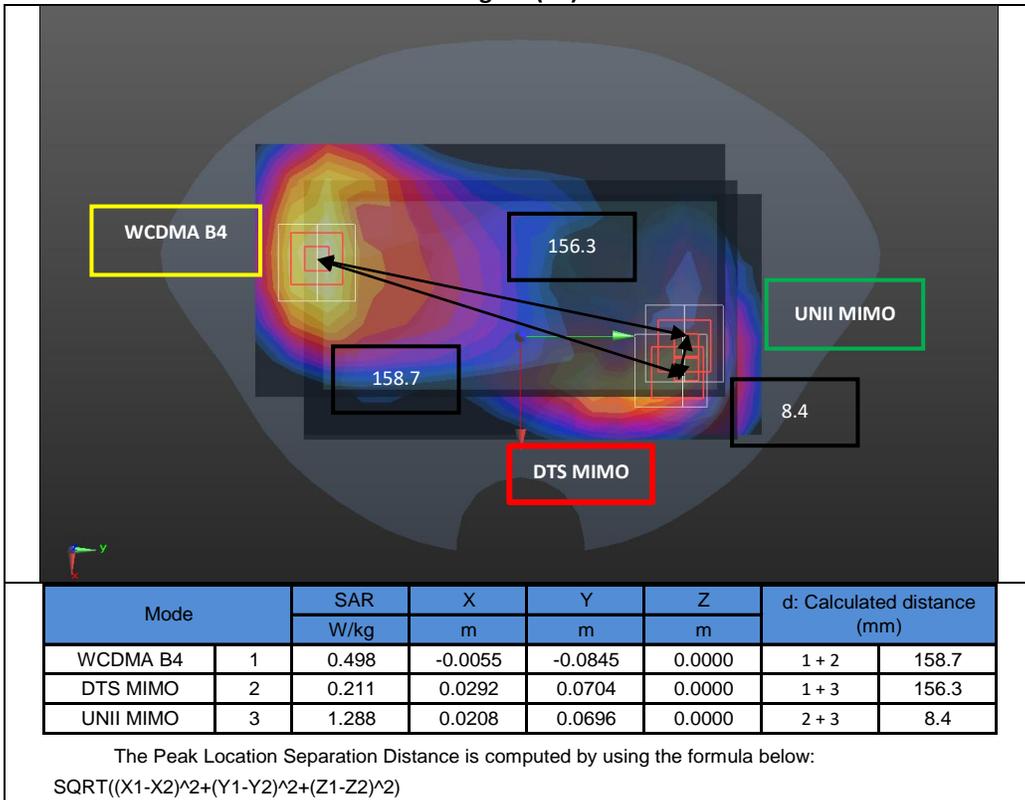


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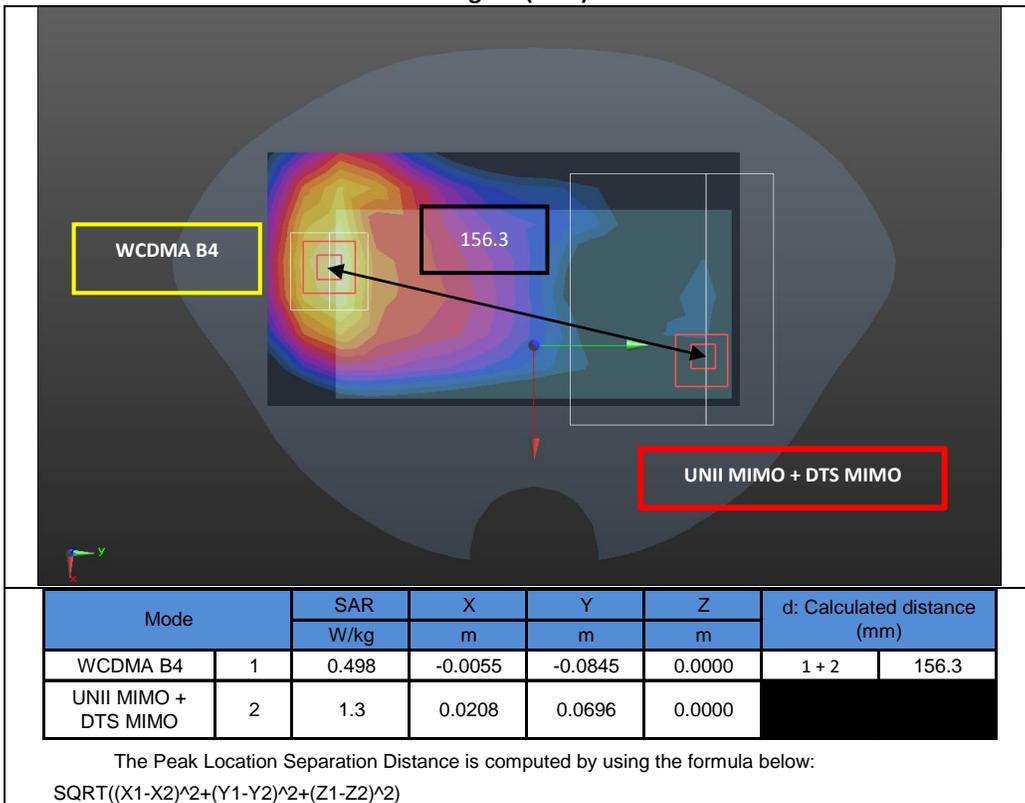


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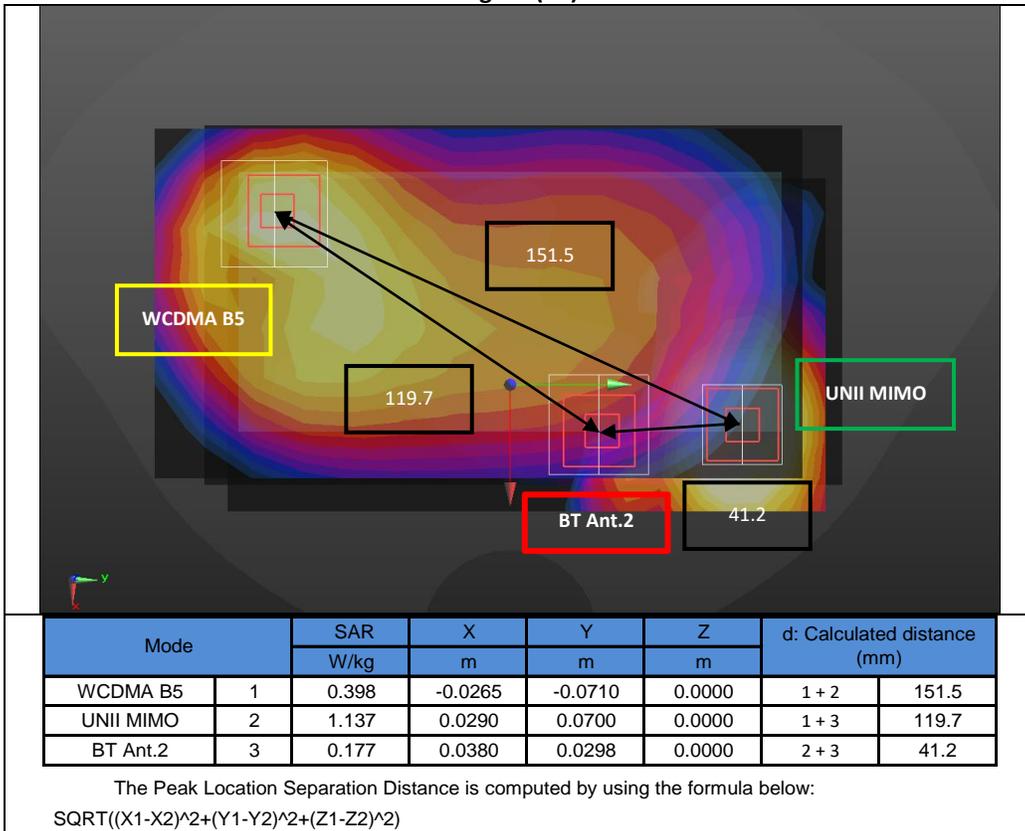


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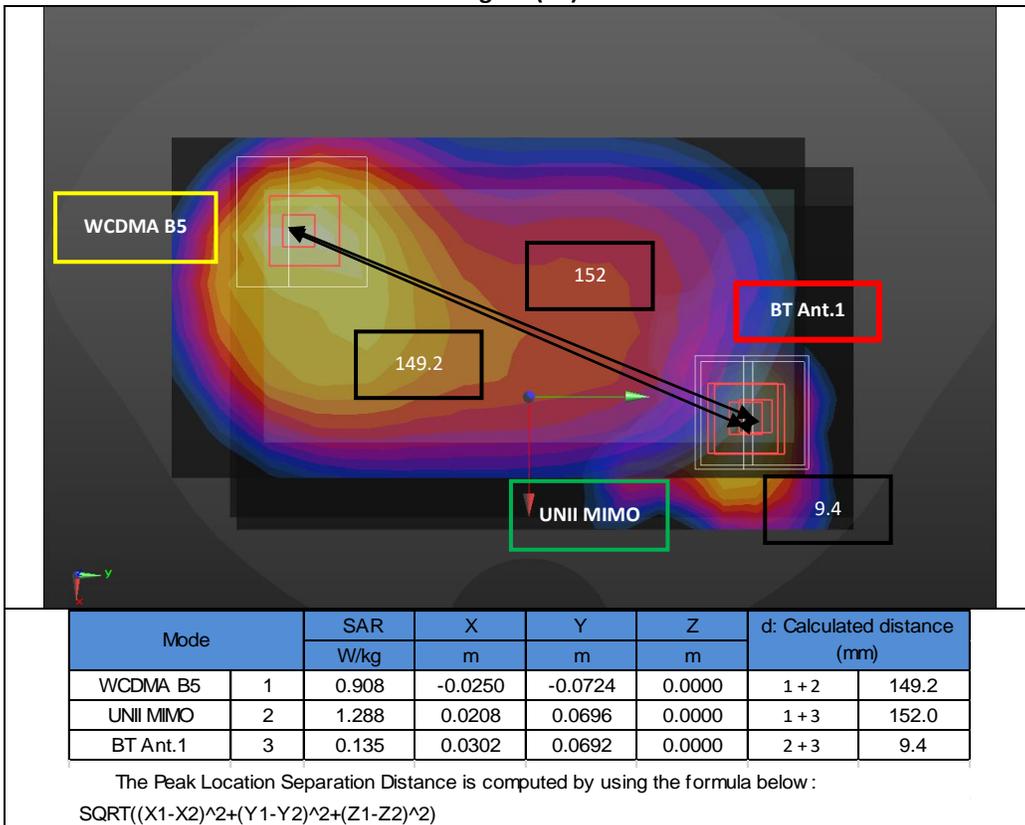


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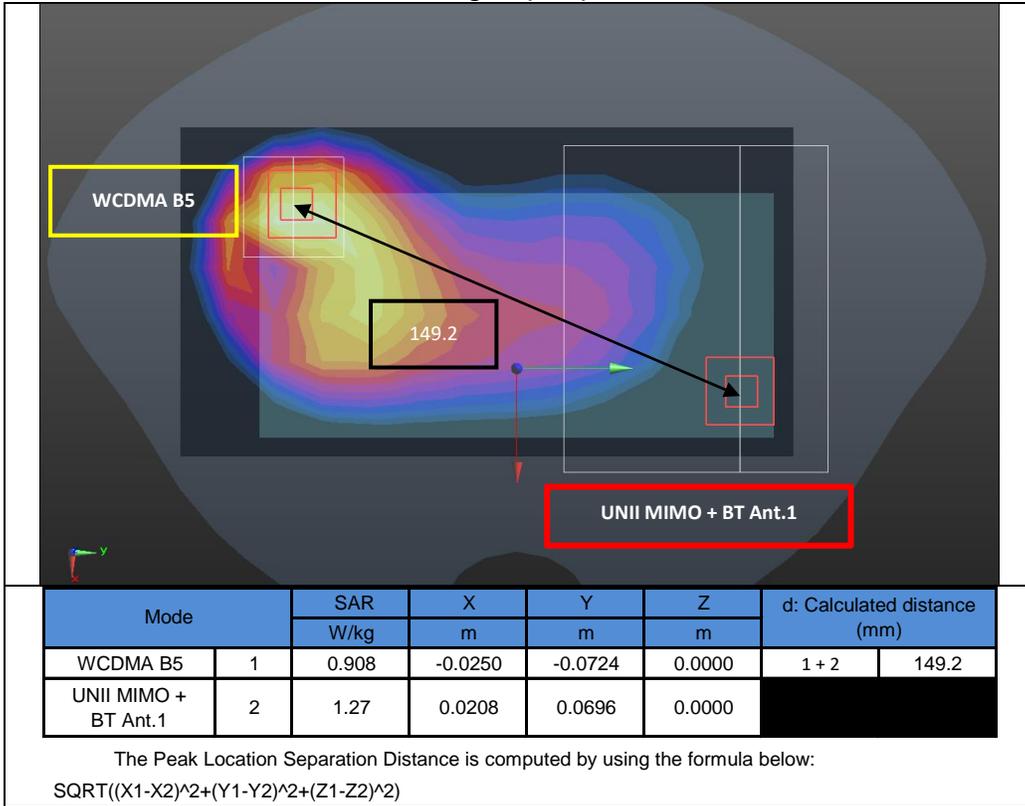


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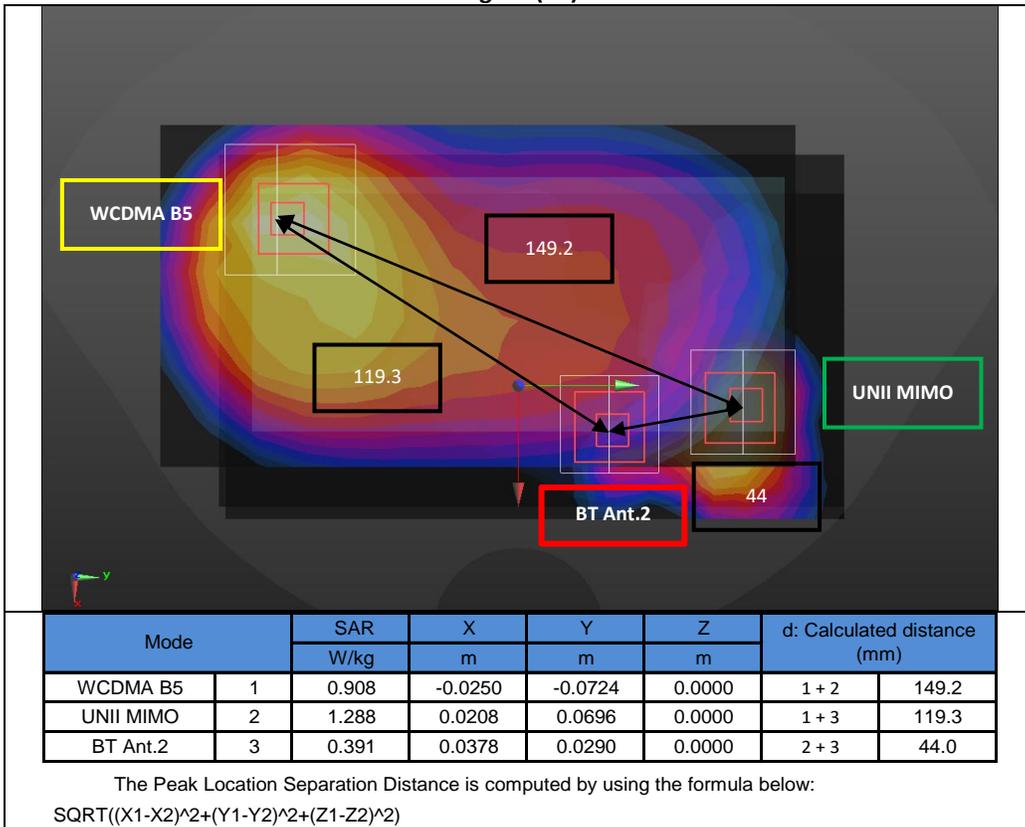


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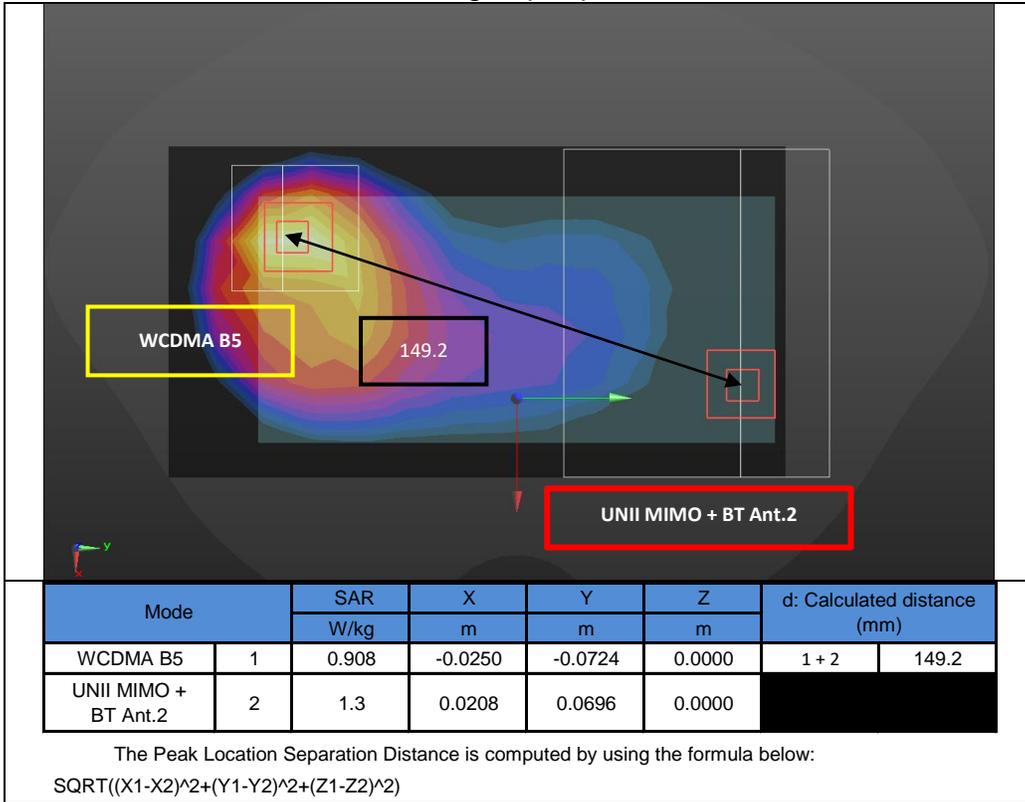


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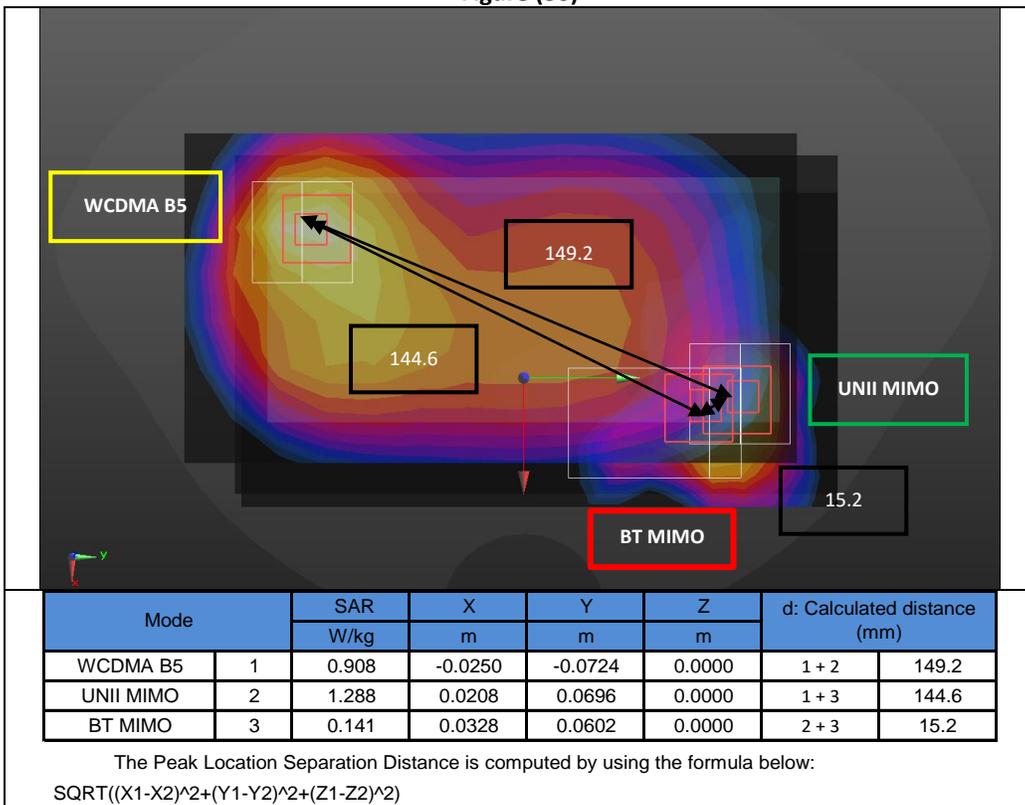


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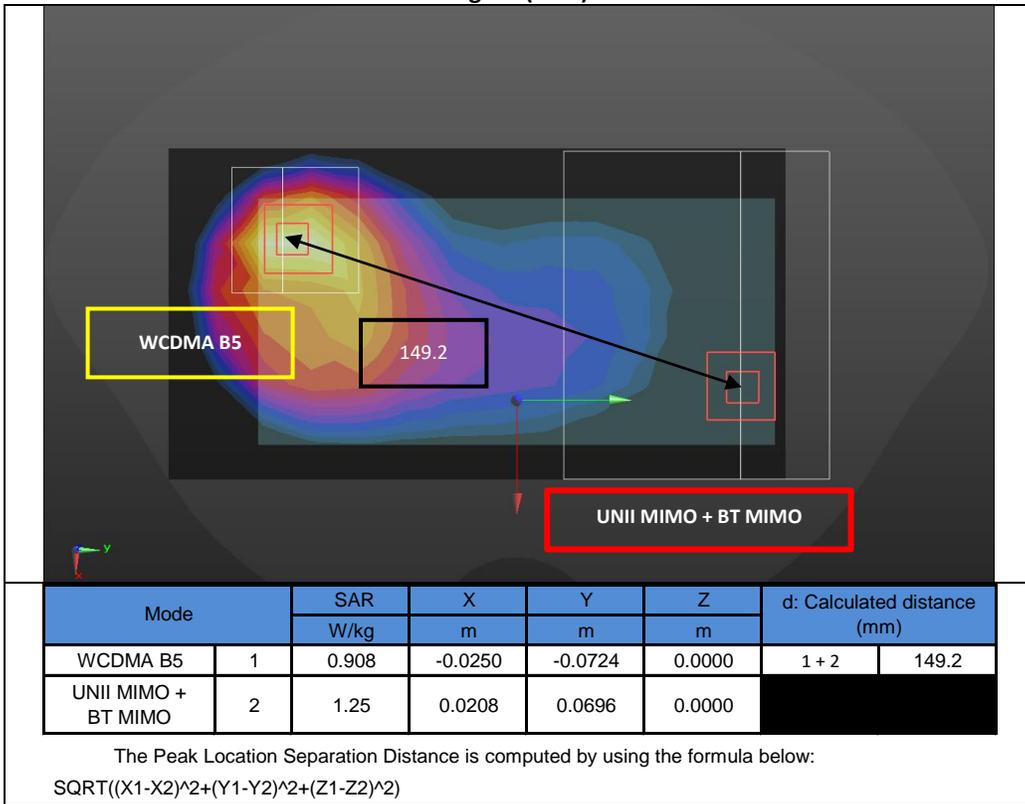


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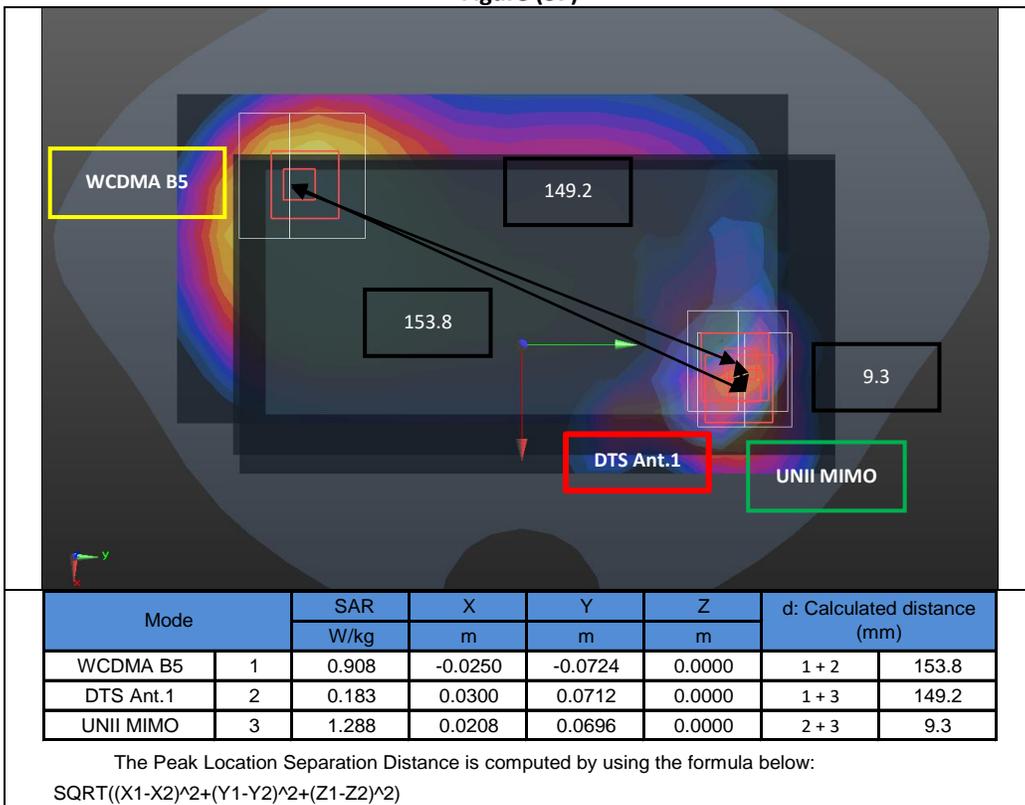


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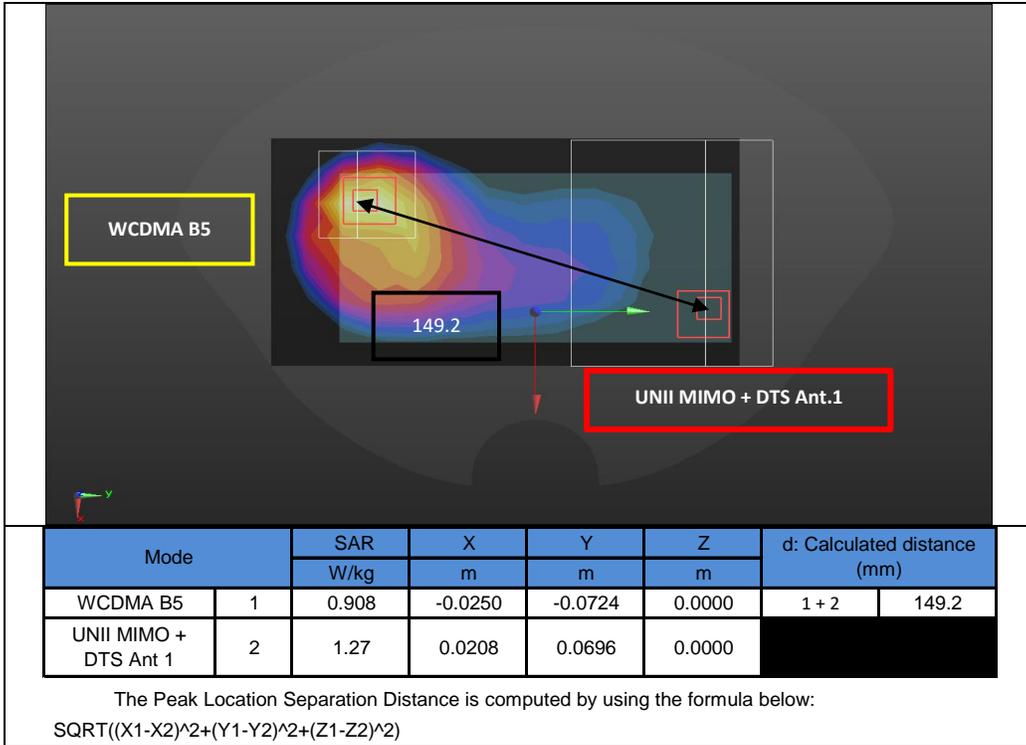


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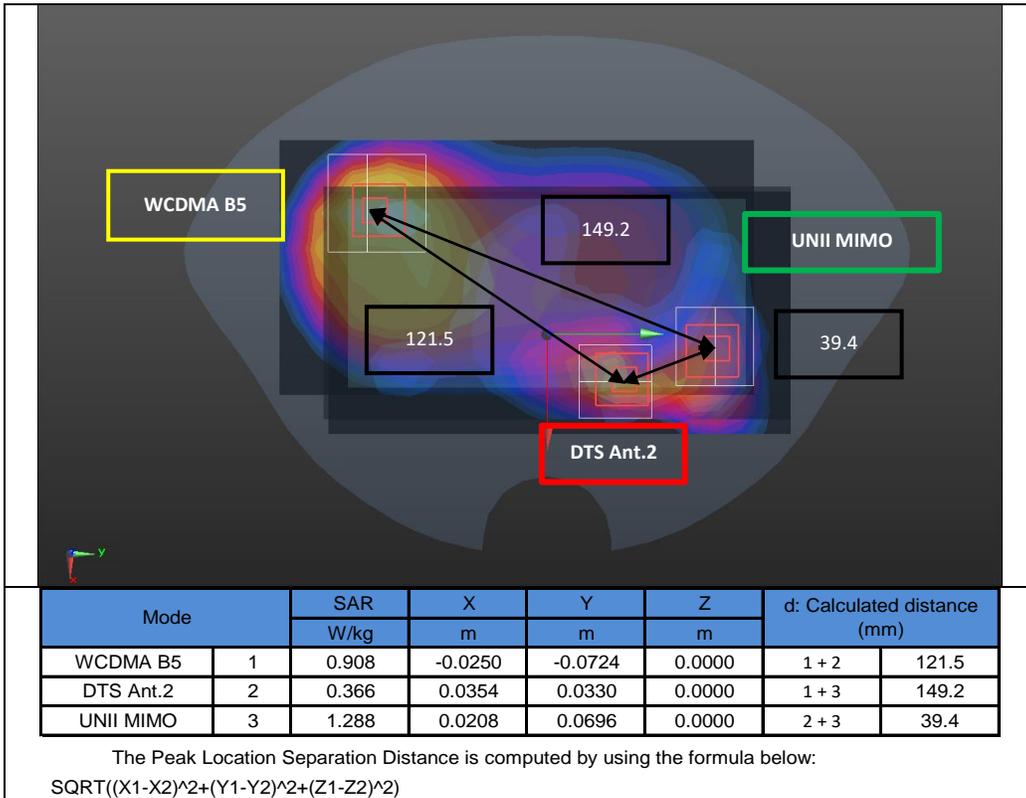


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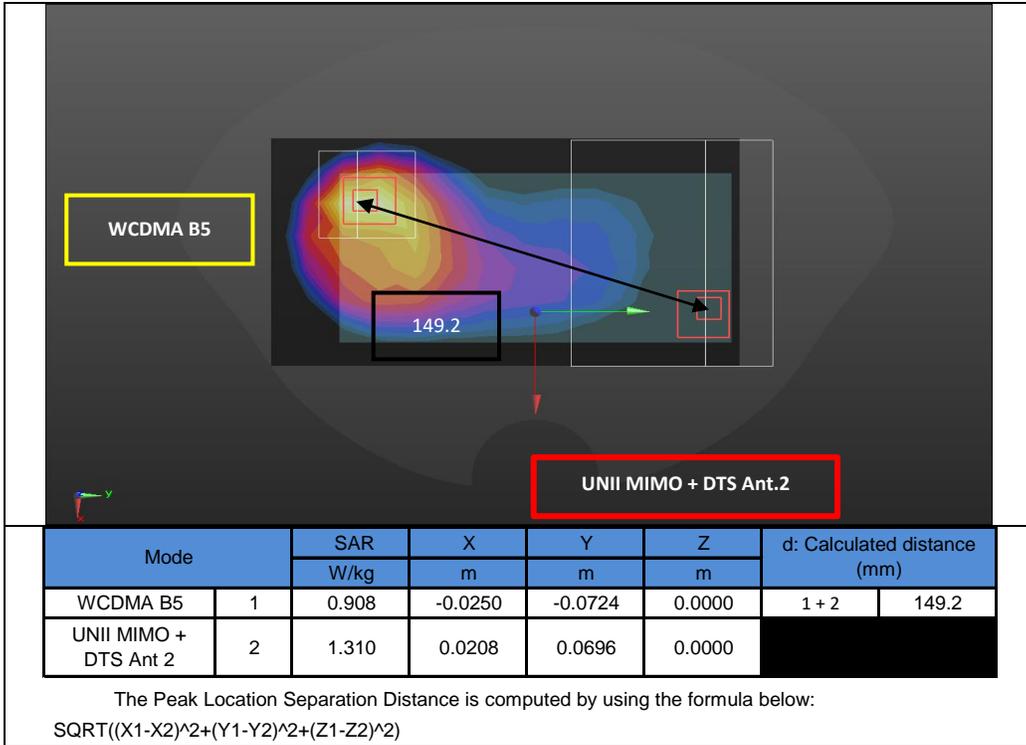


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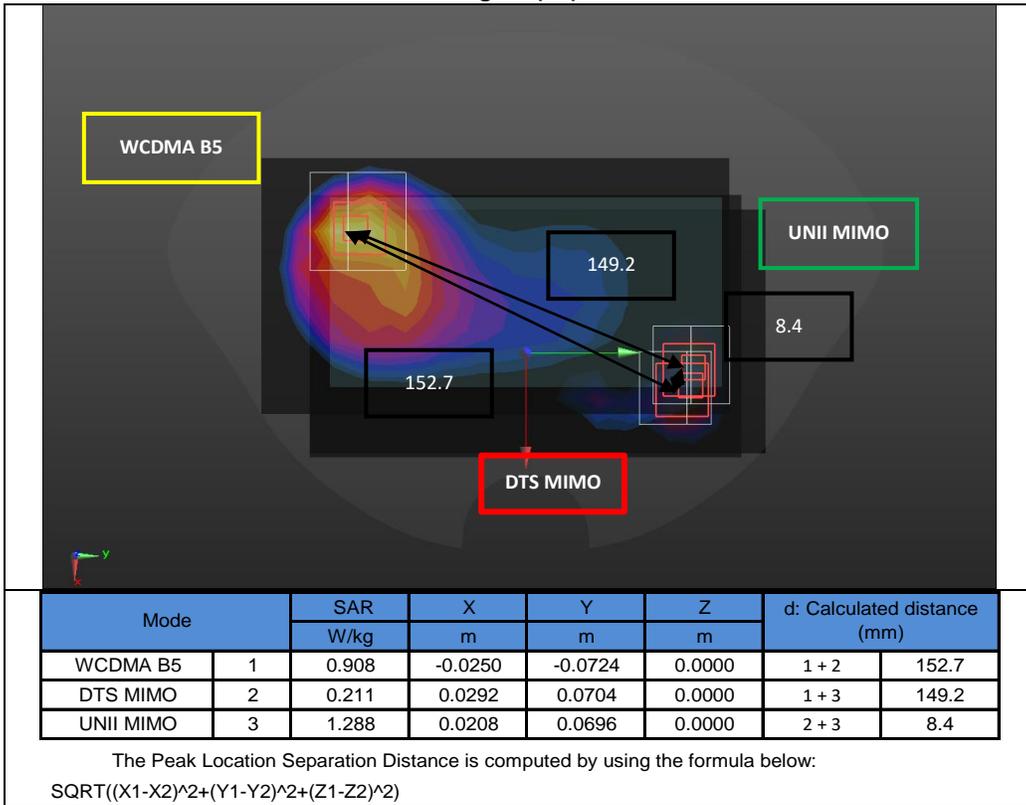


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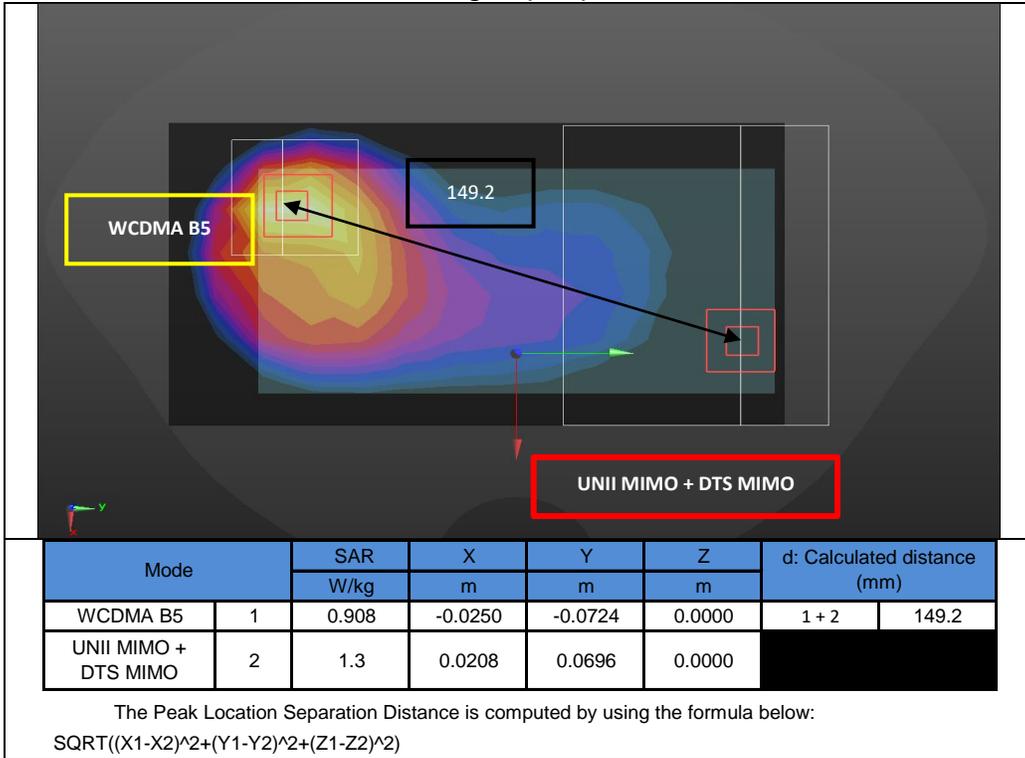


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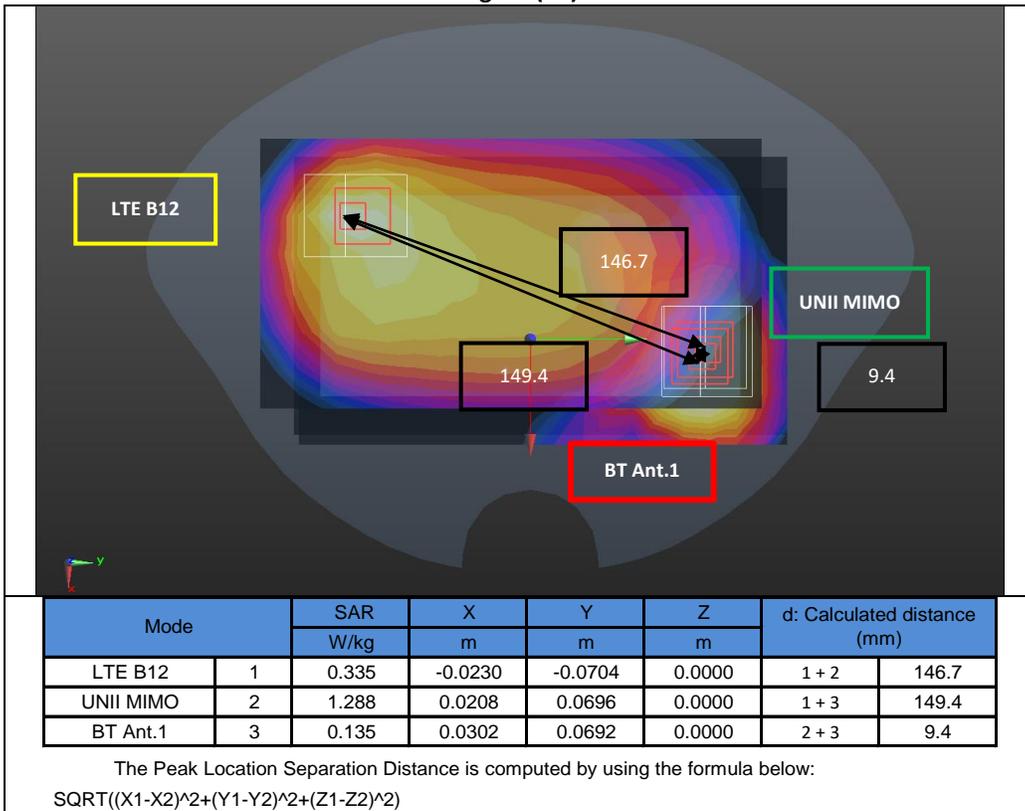


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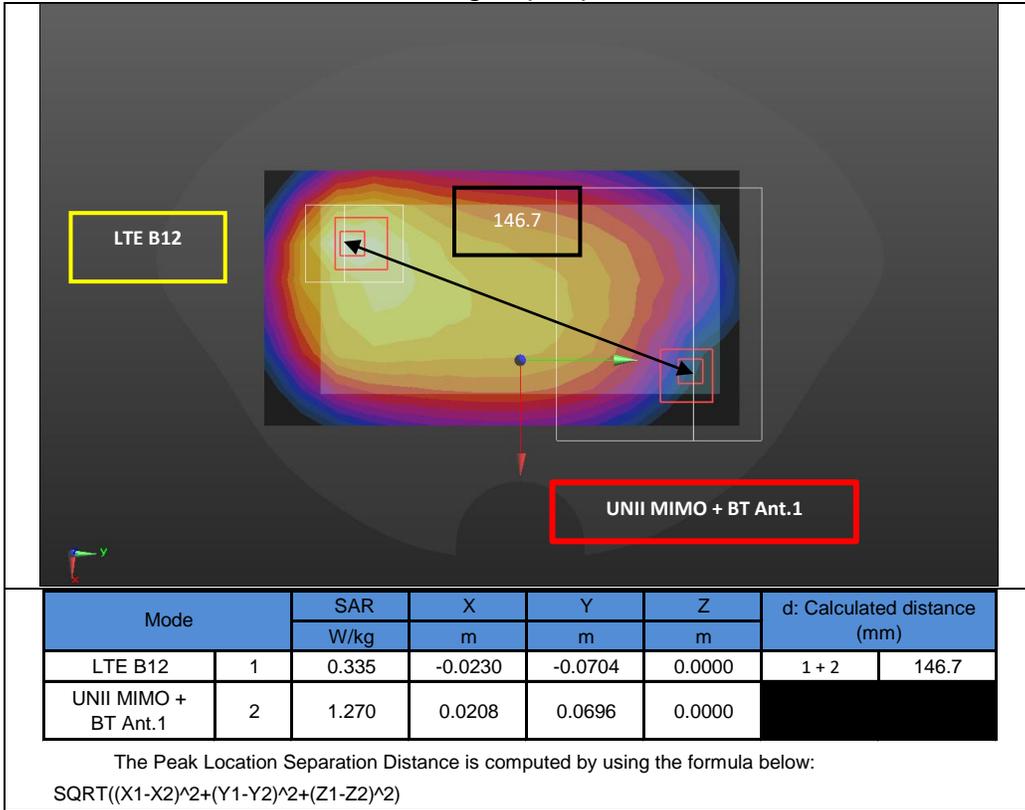


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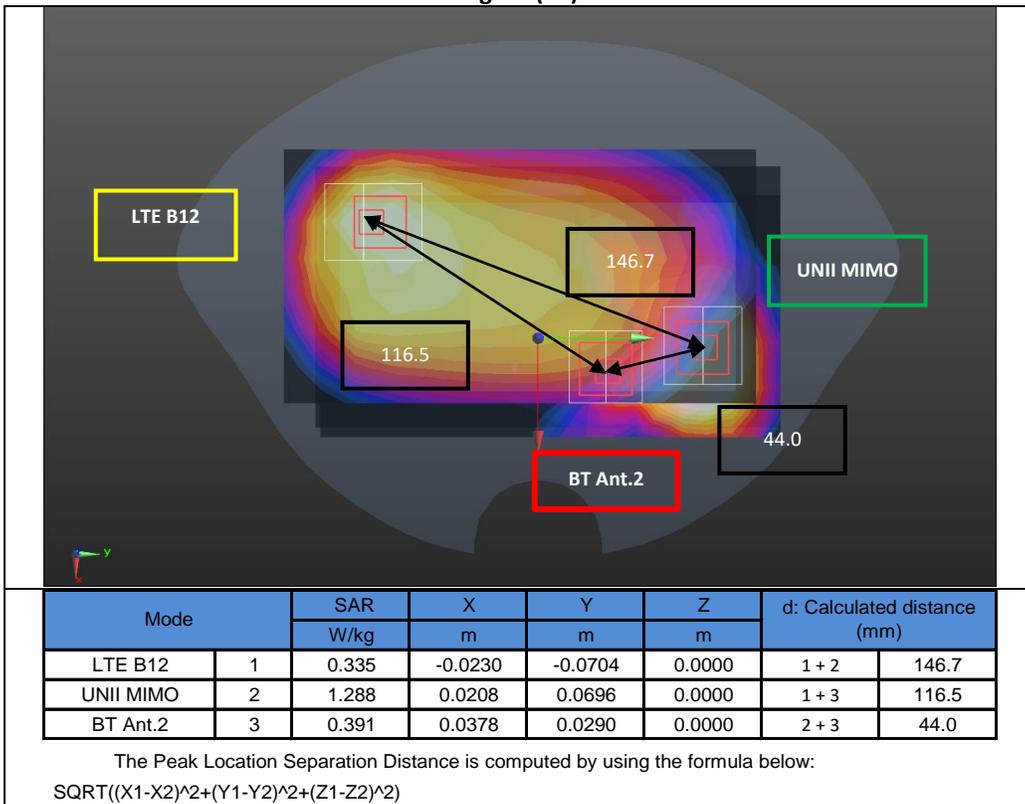


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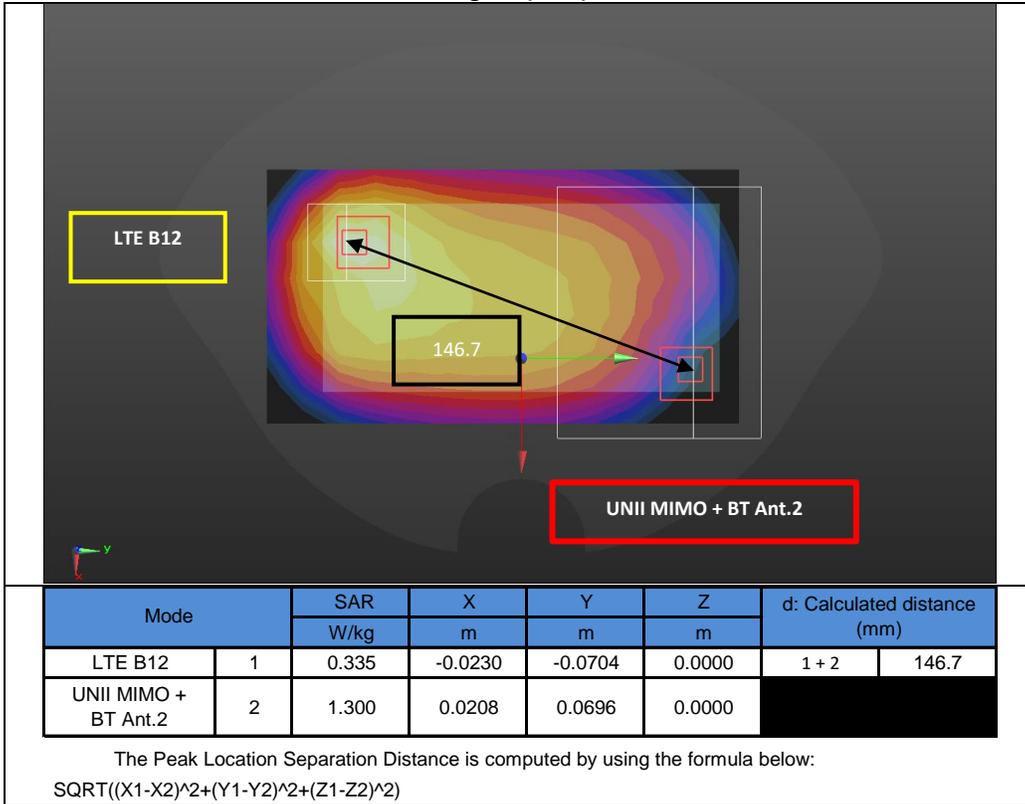


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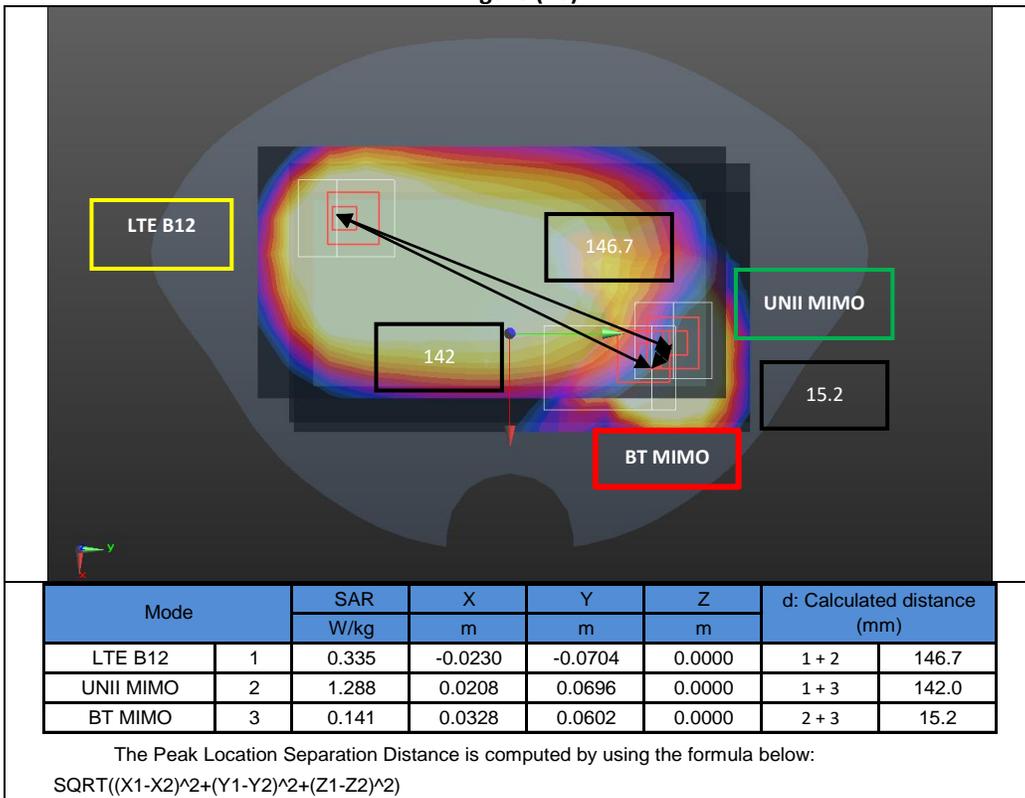


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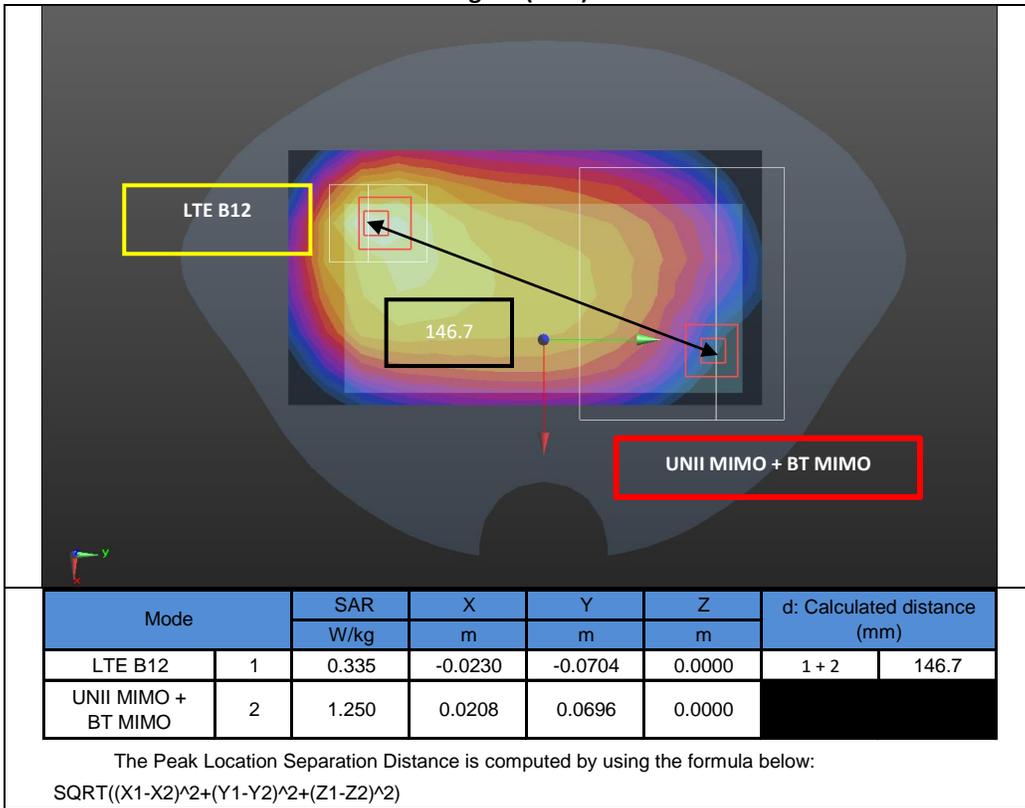


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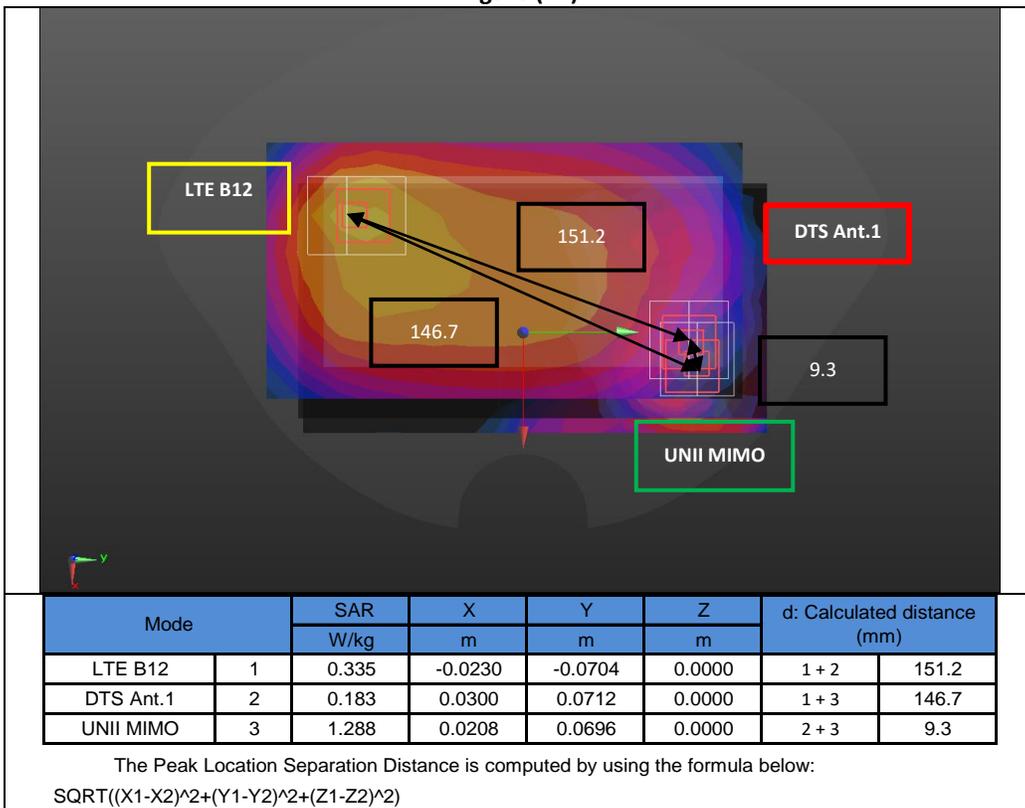


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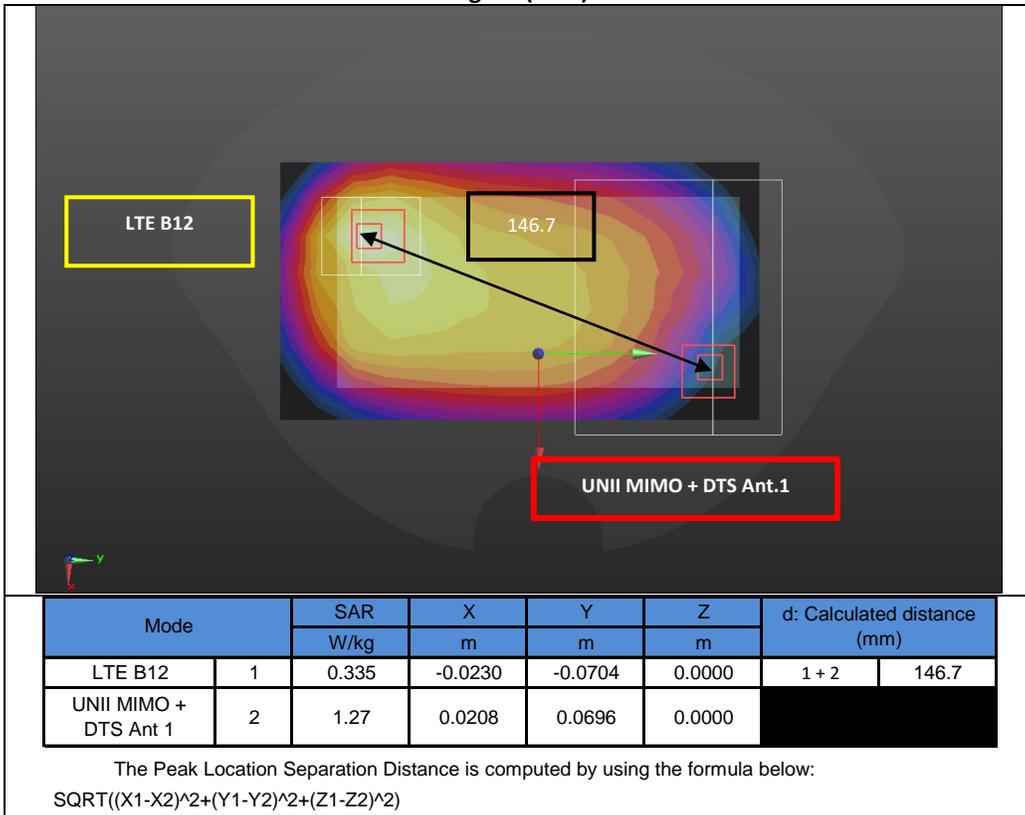


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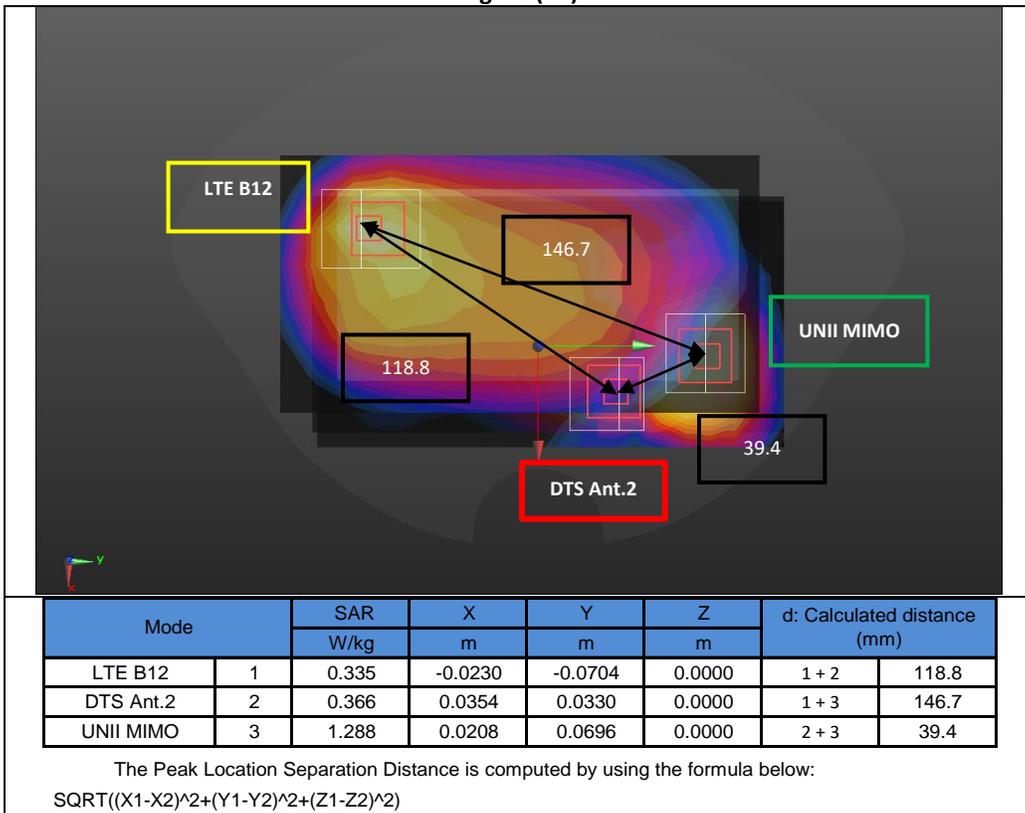


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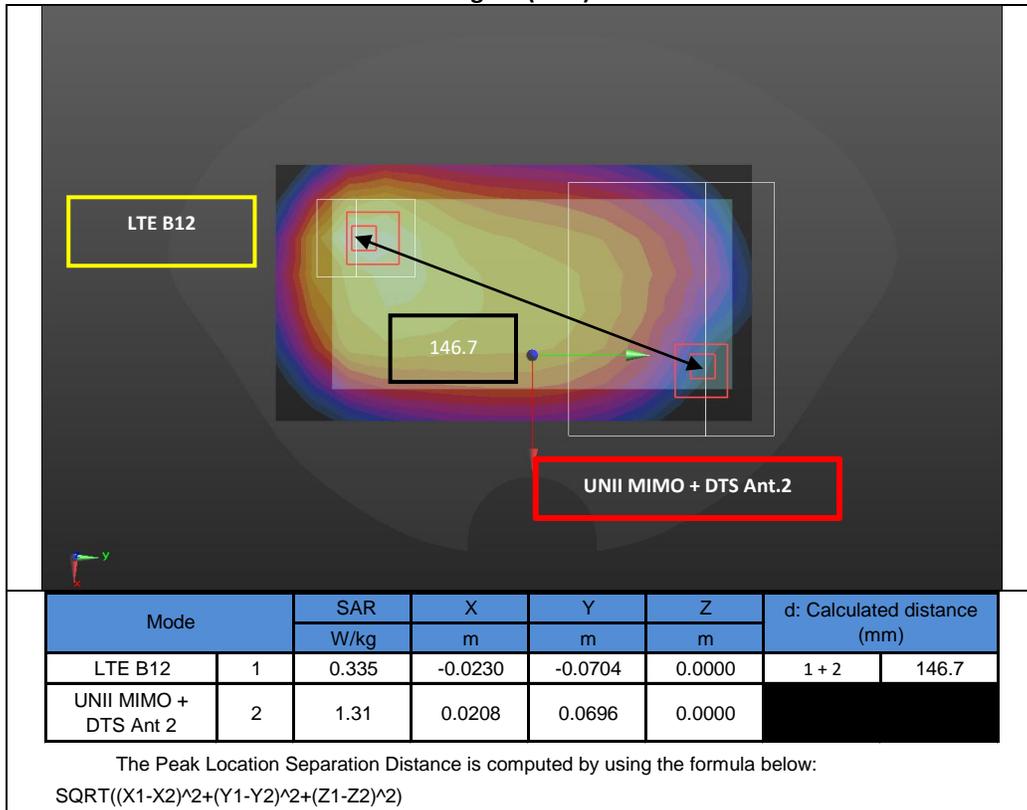


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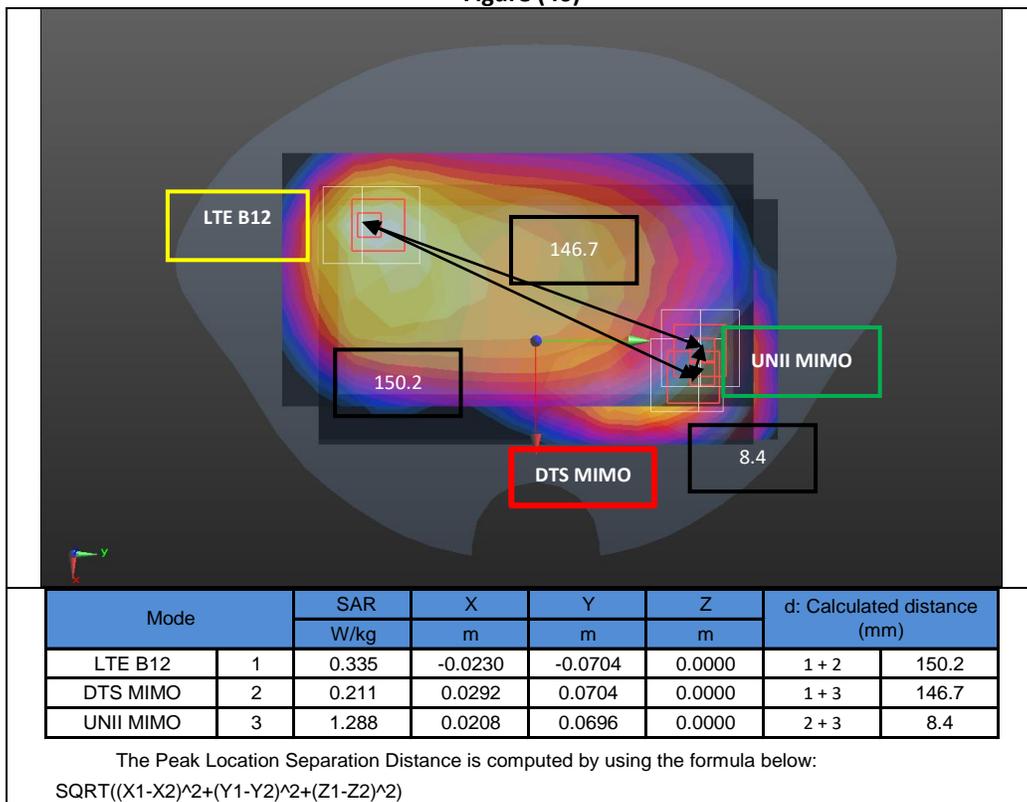


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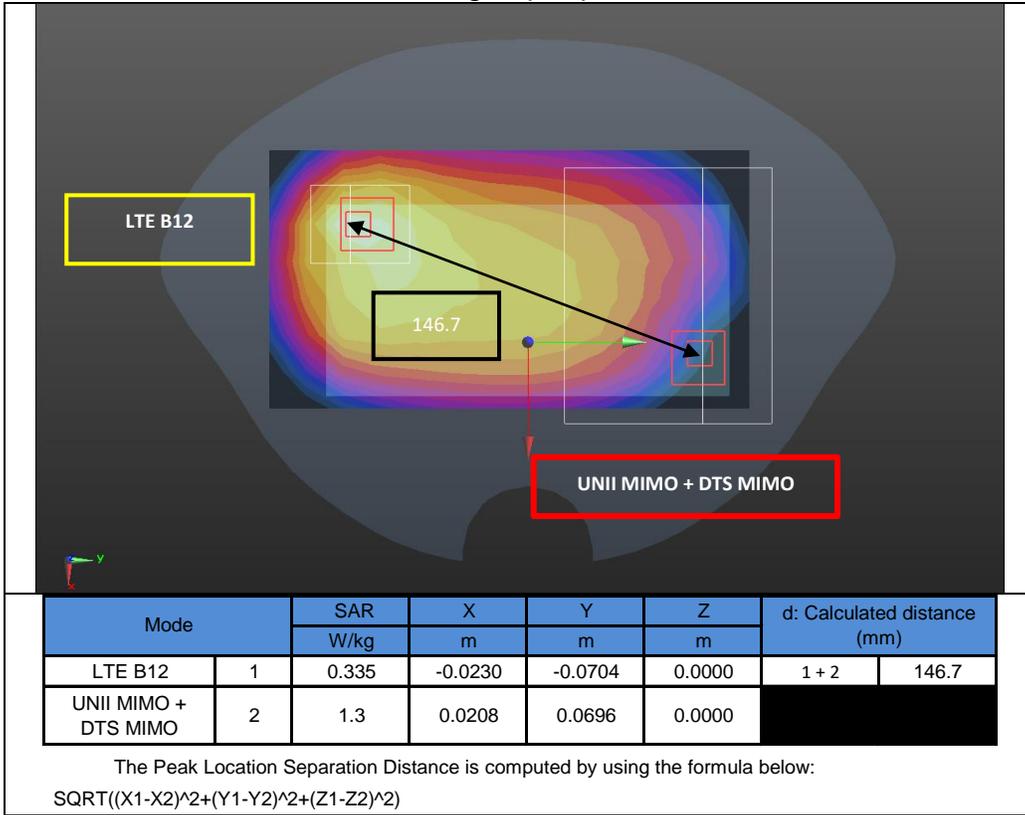


Figure (47)

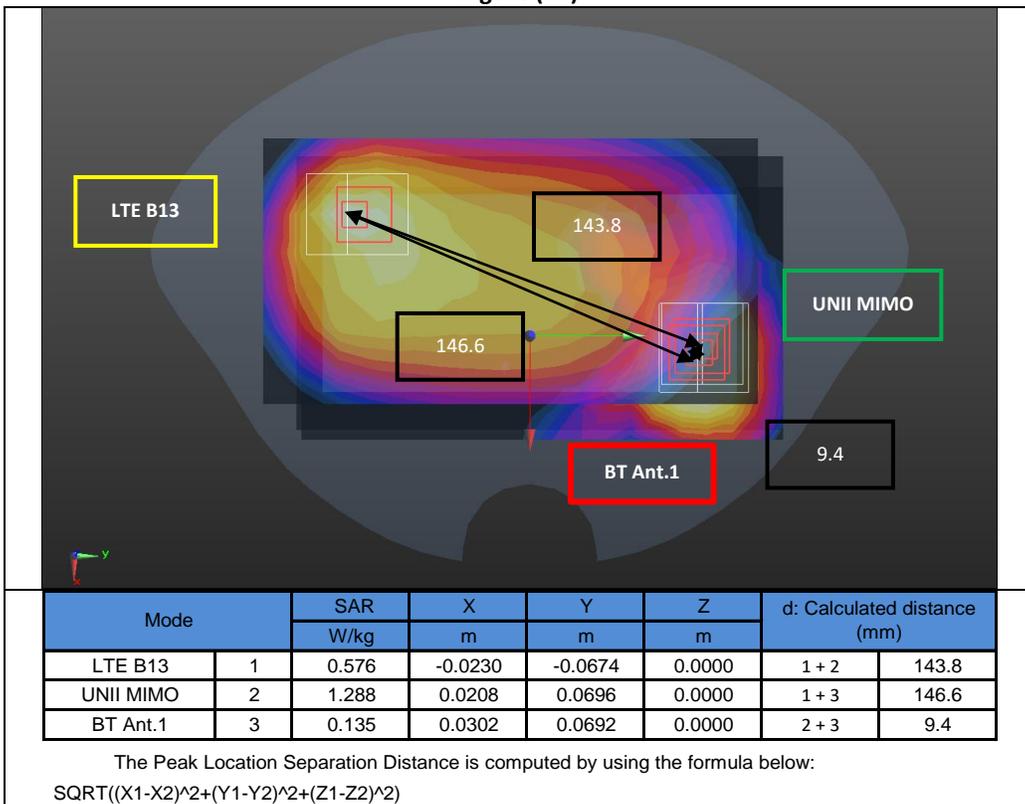


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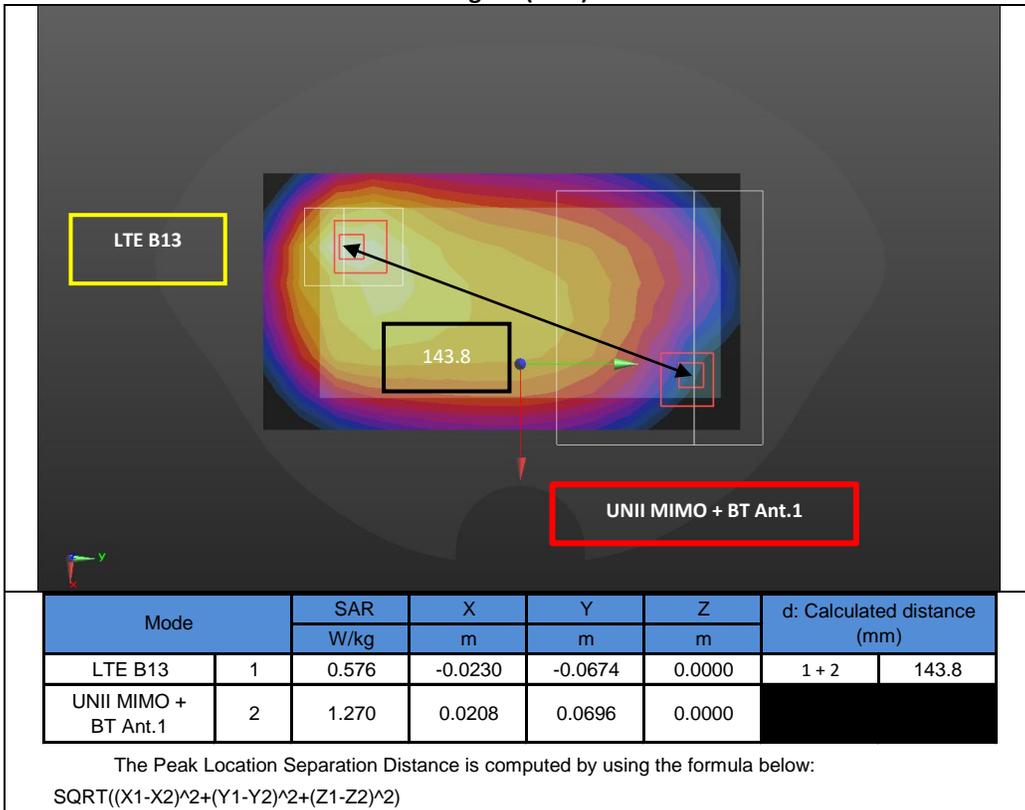


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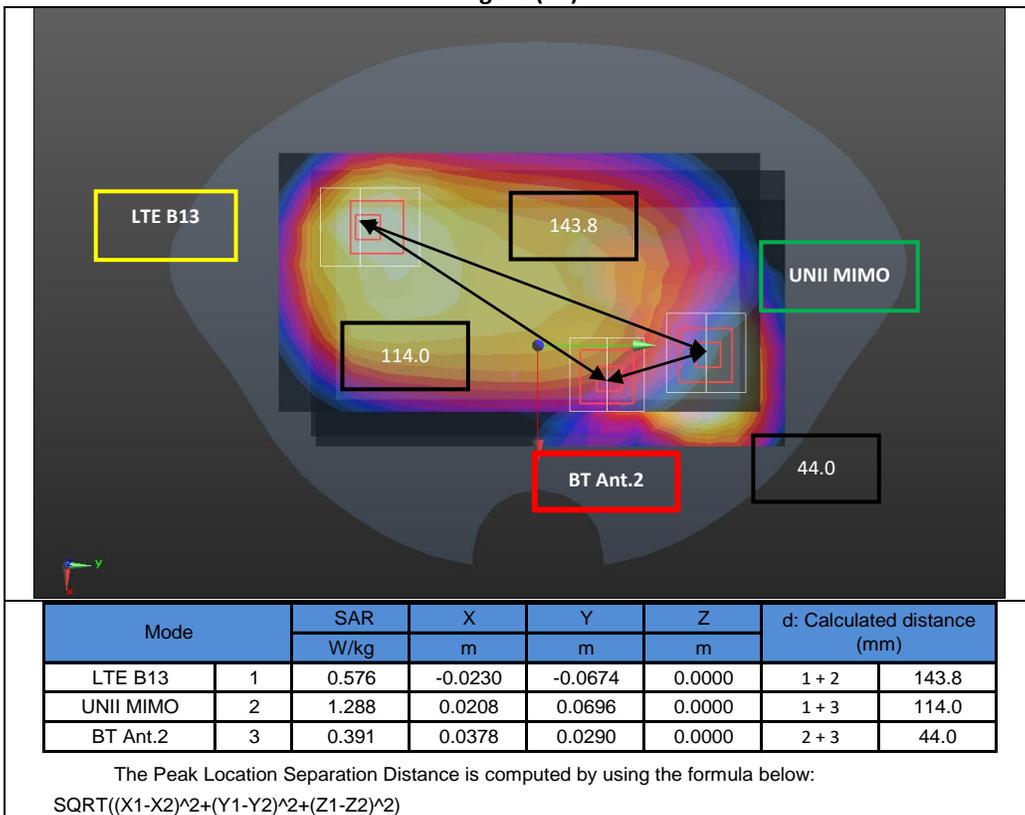


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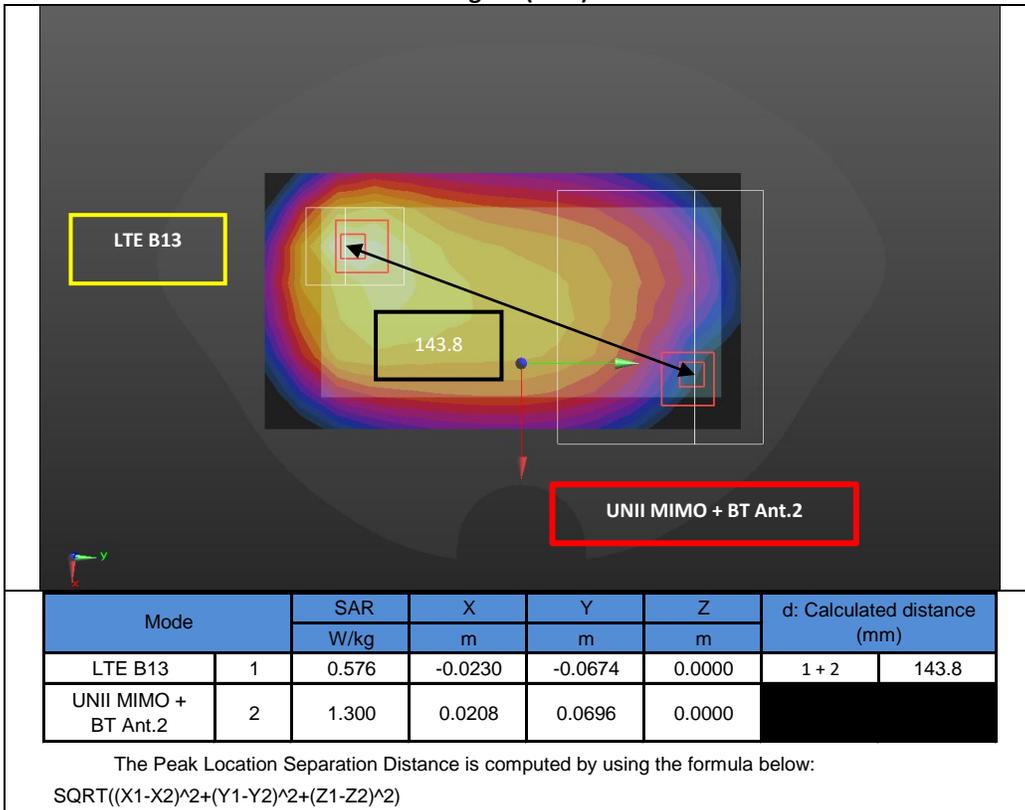


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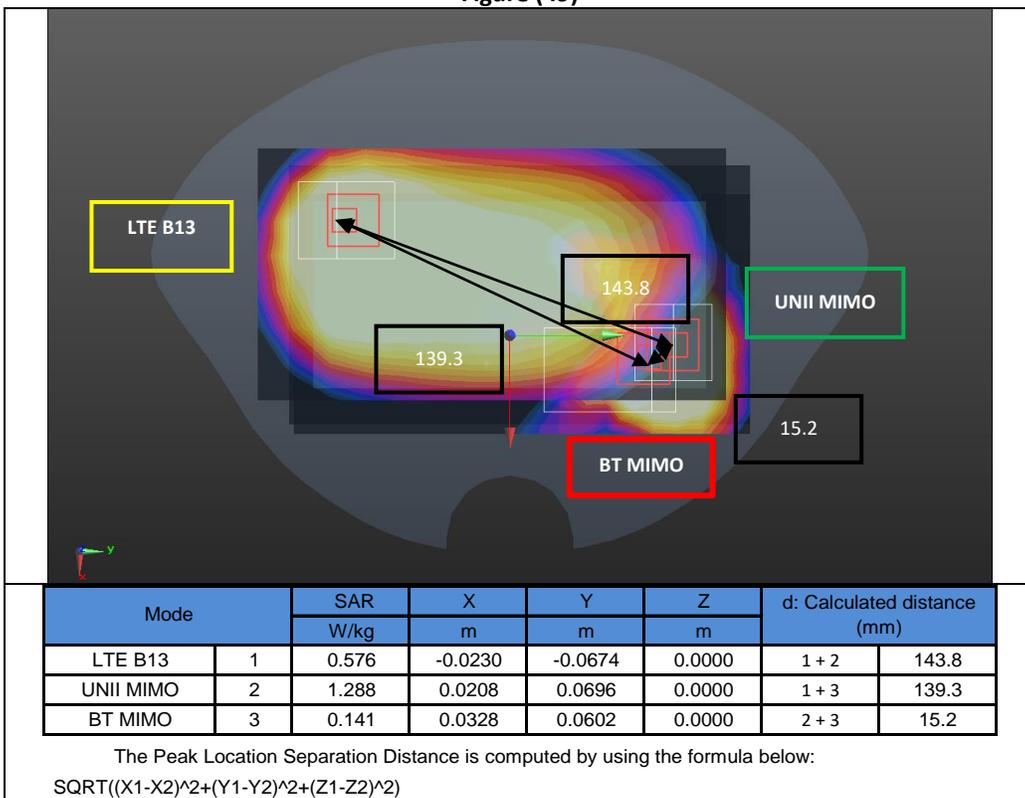


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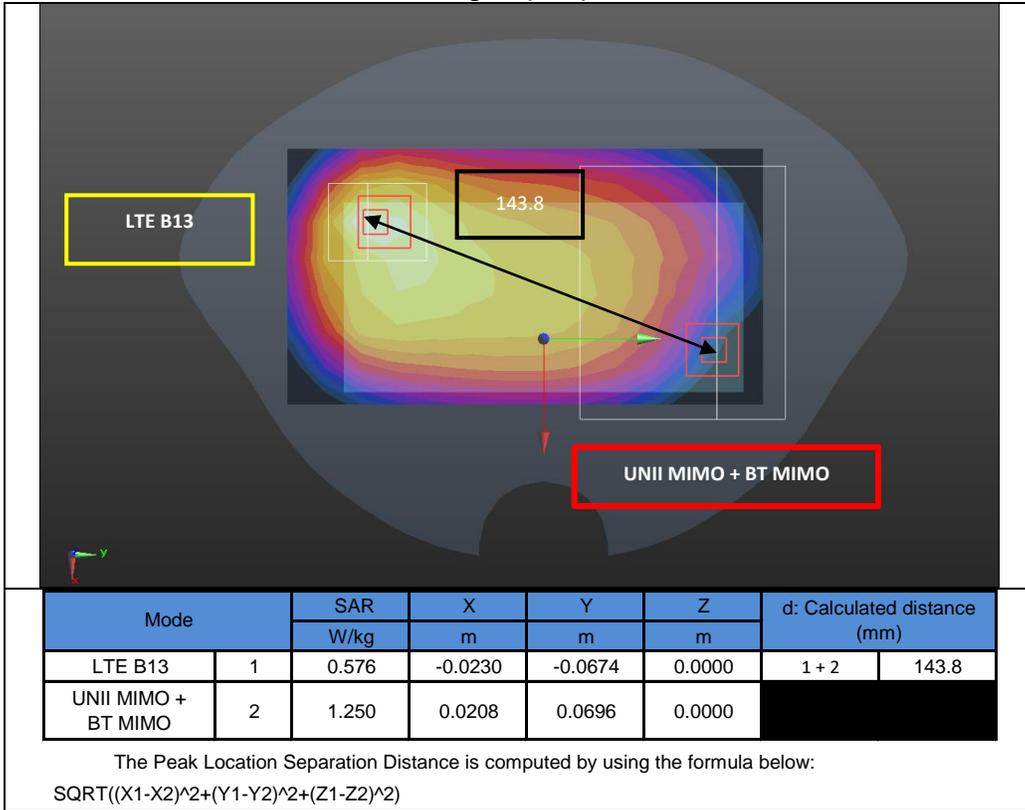


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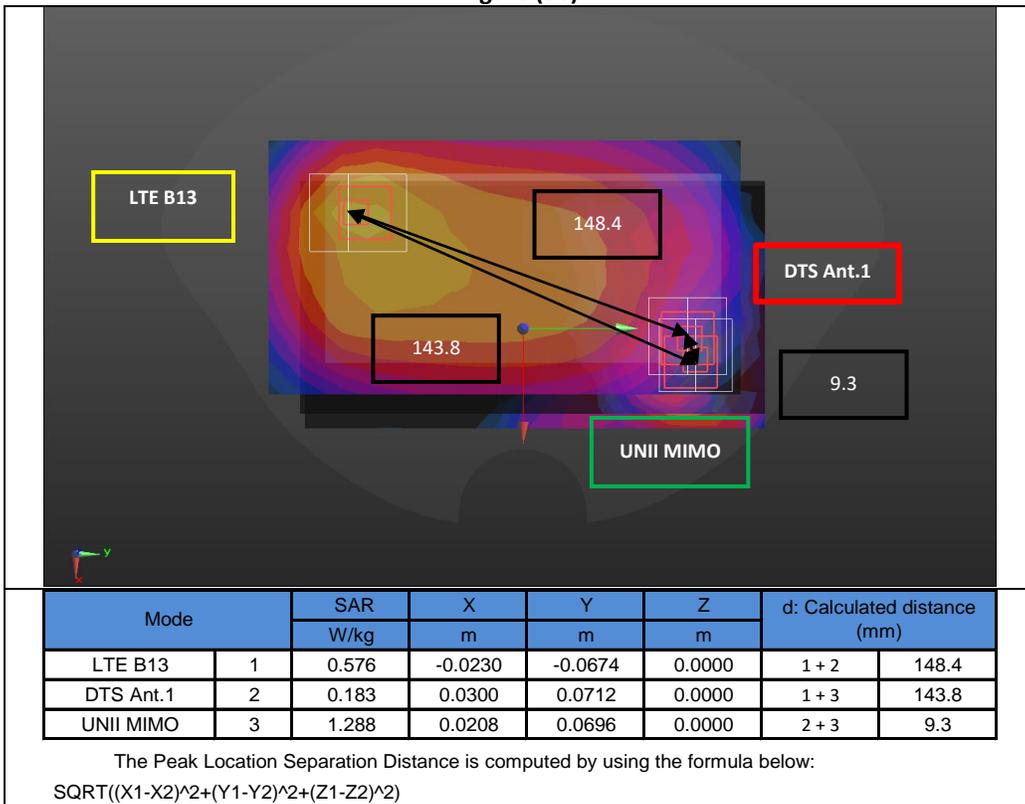


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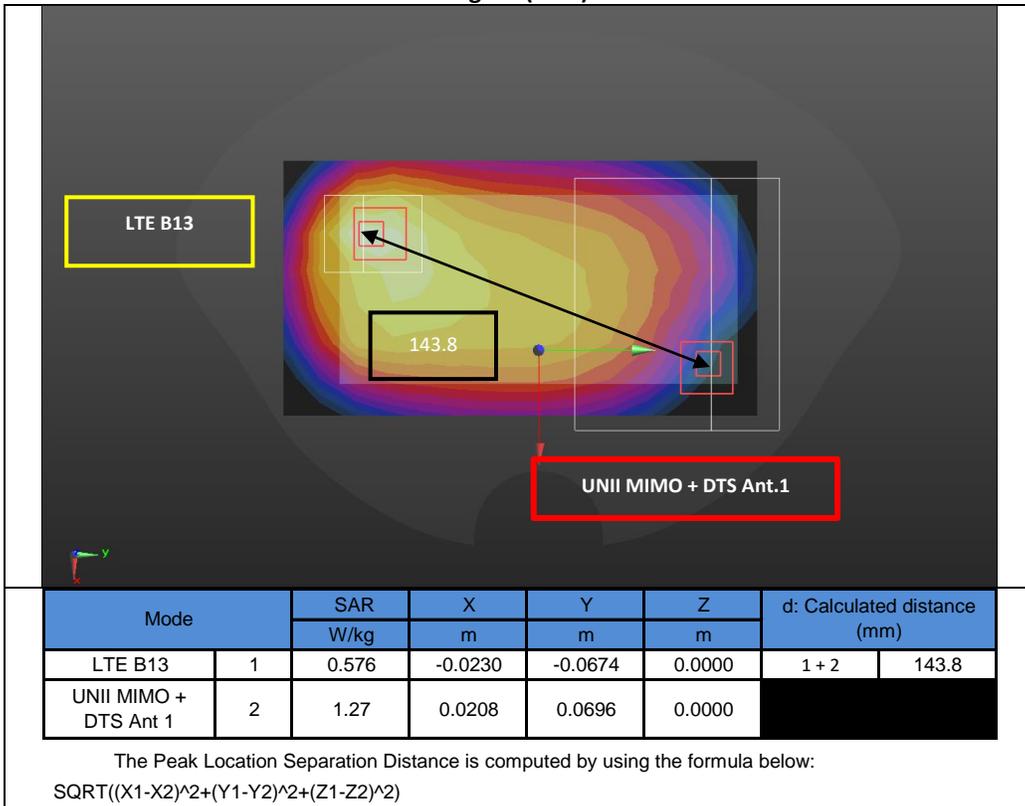


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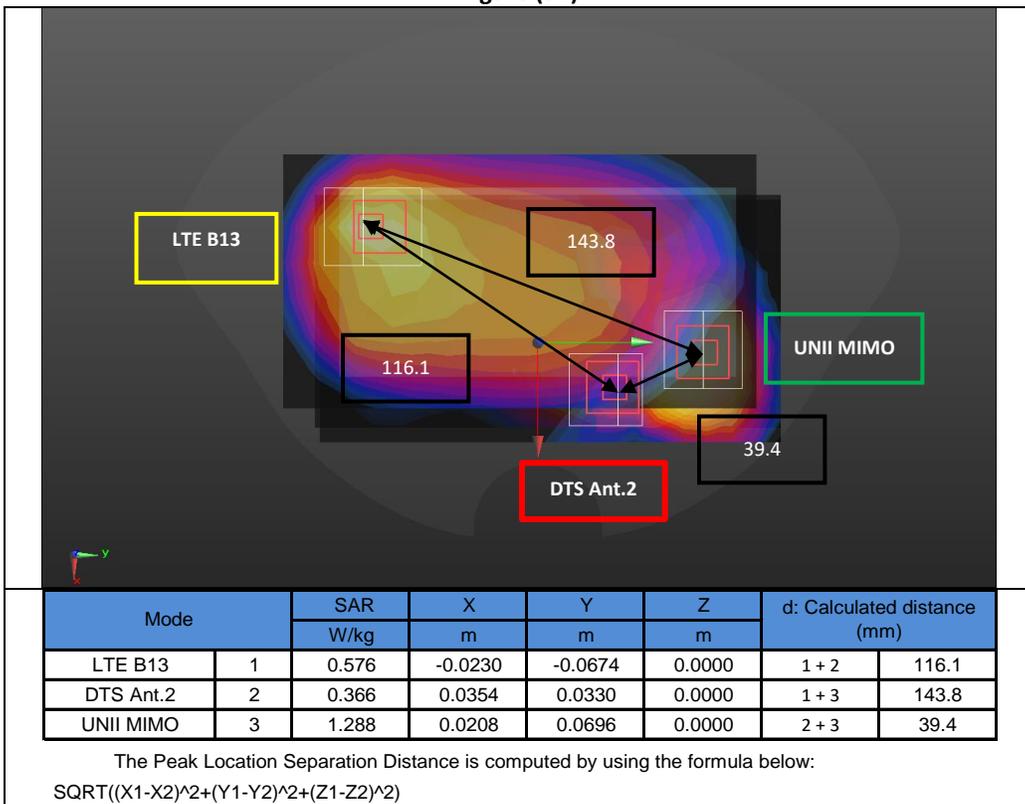


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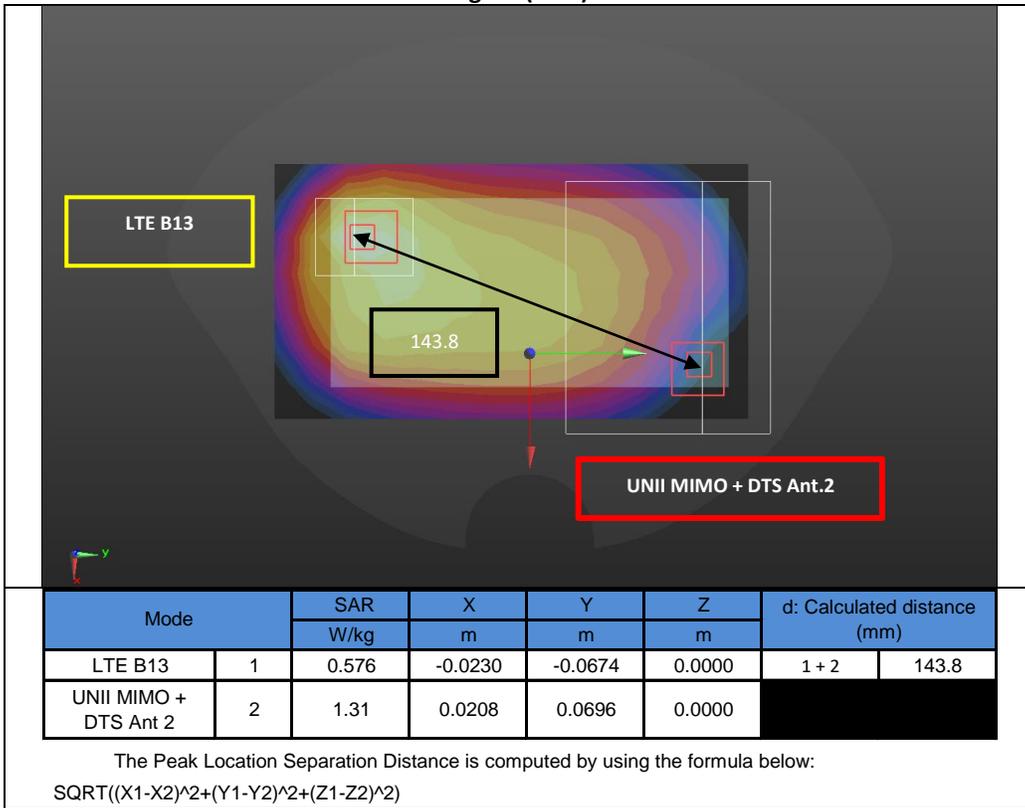


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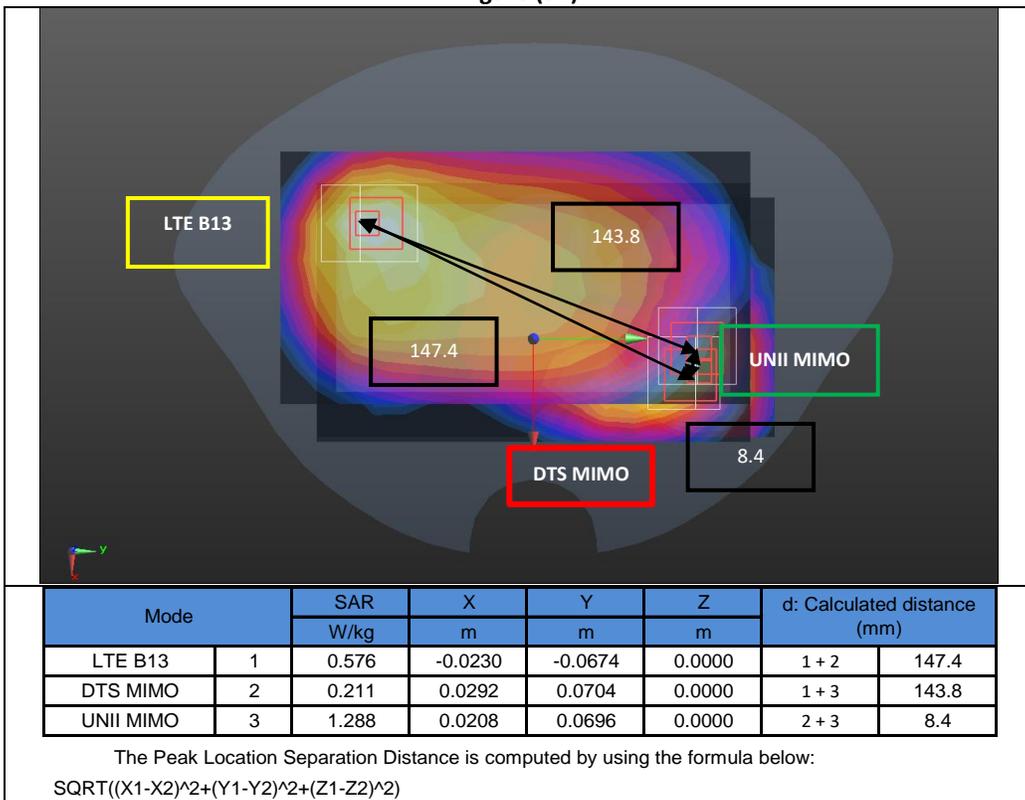


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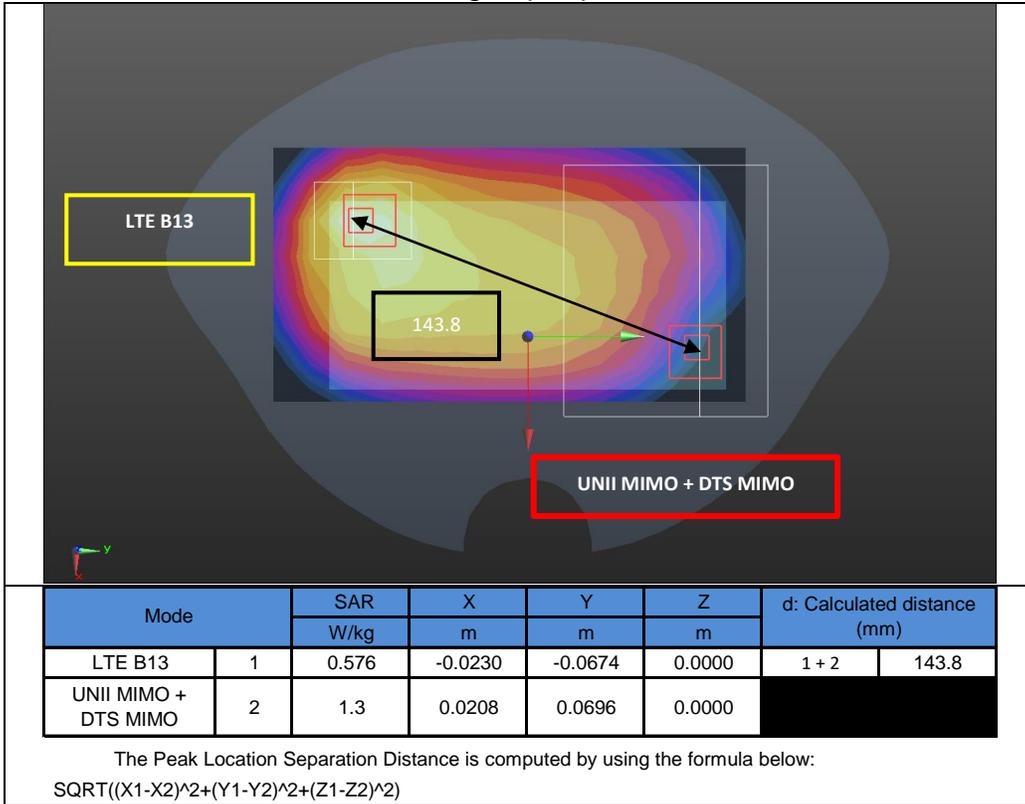


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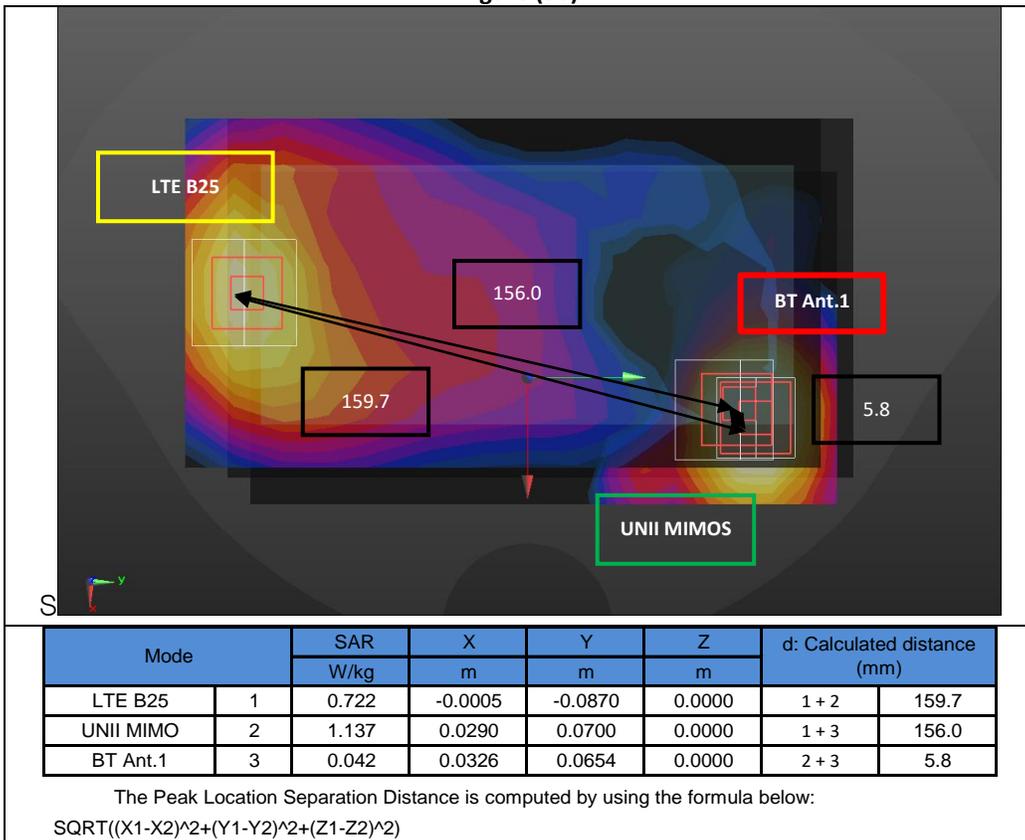


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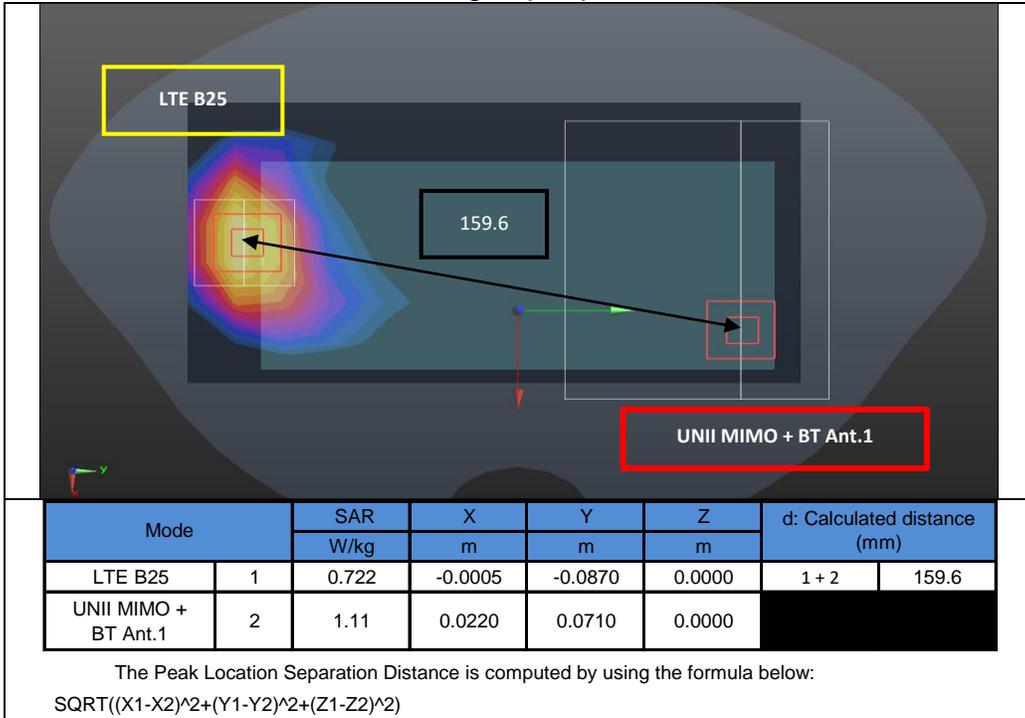


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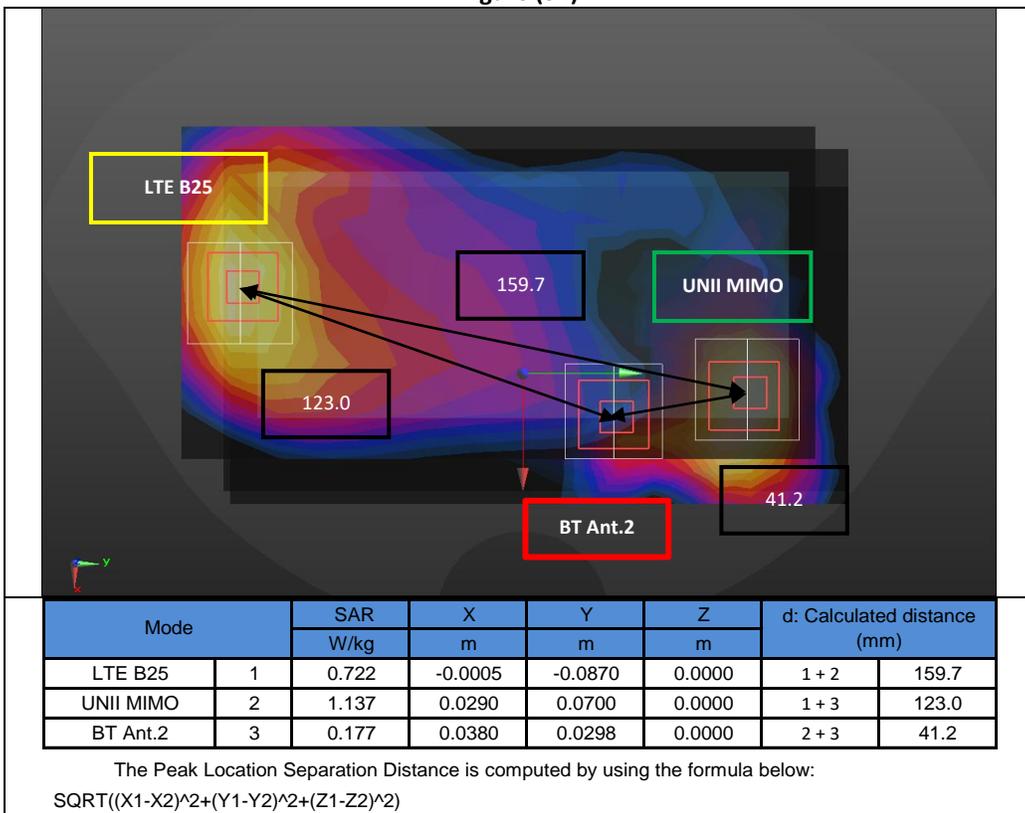


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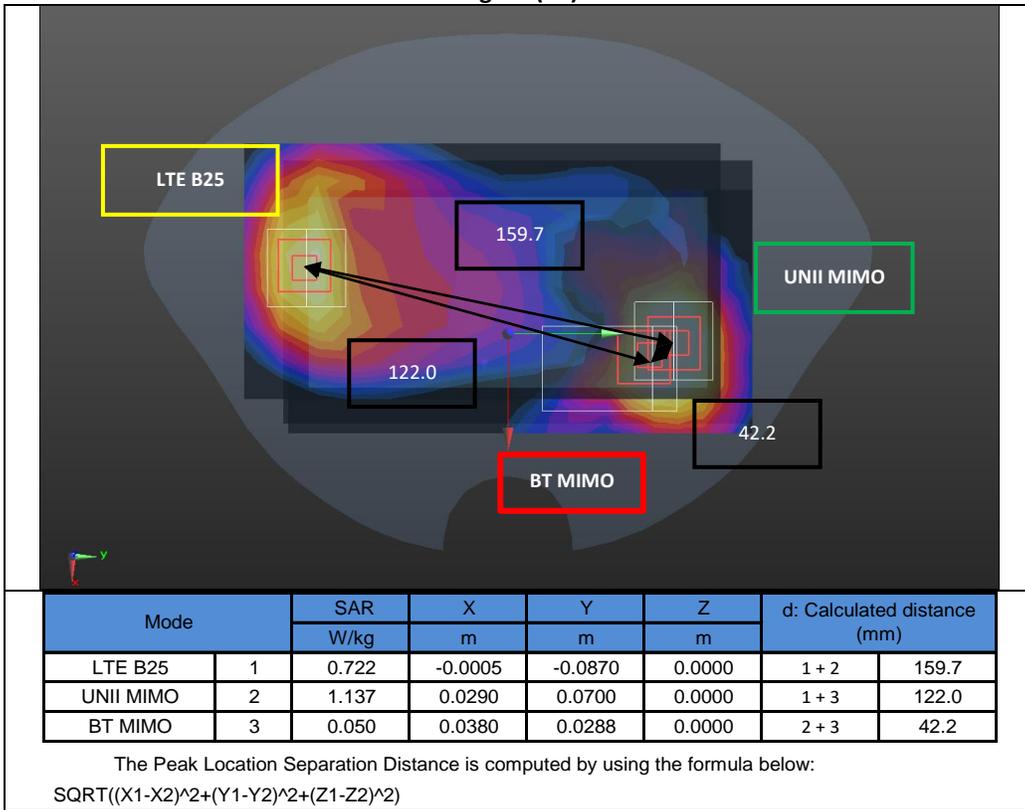


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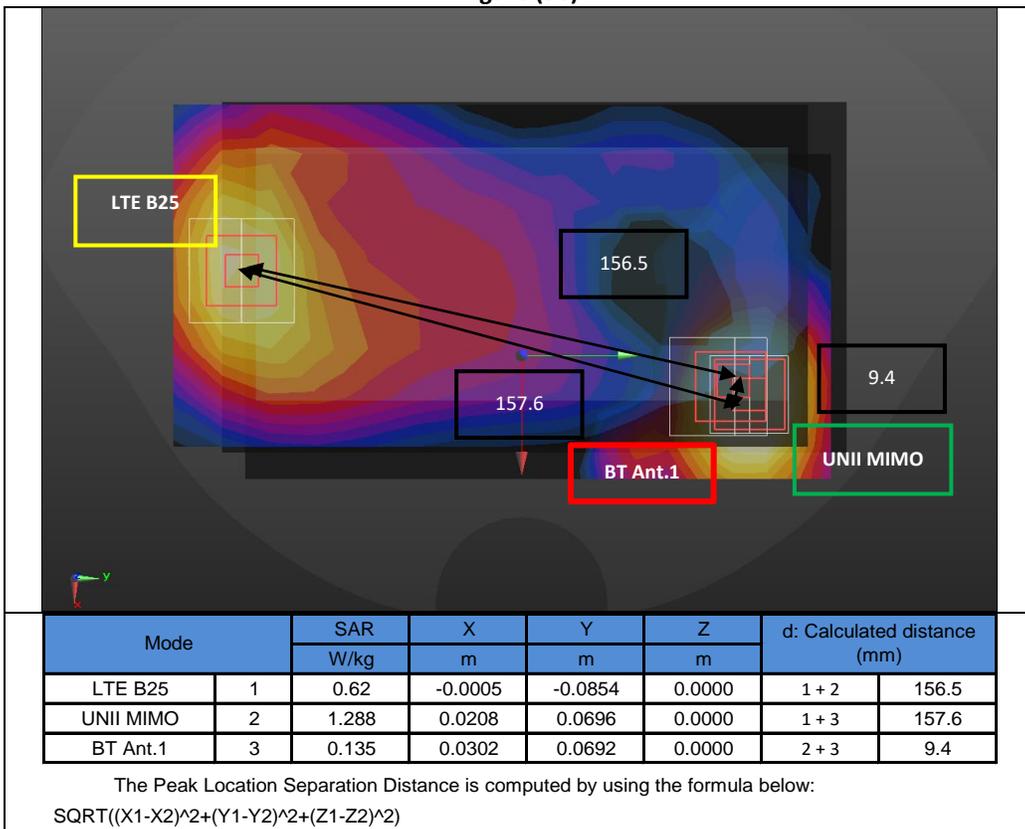


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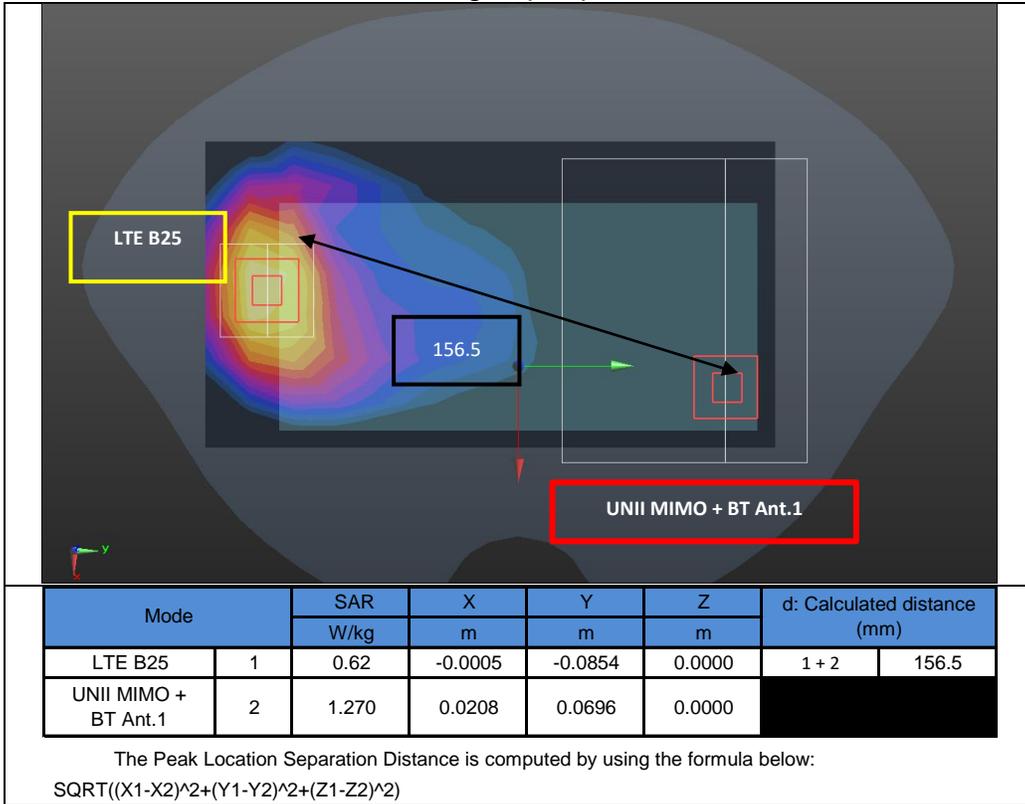


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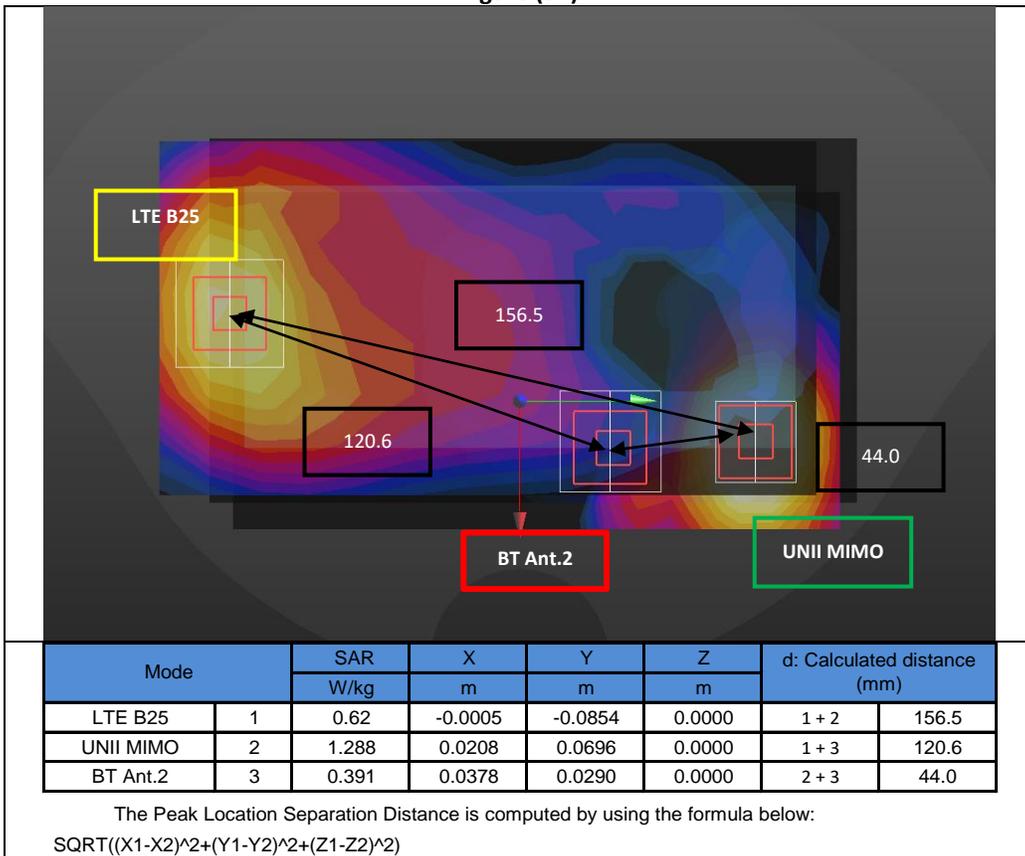


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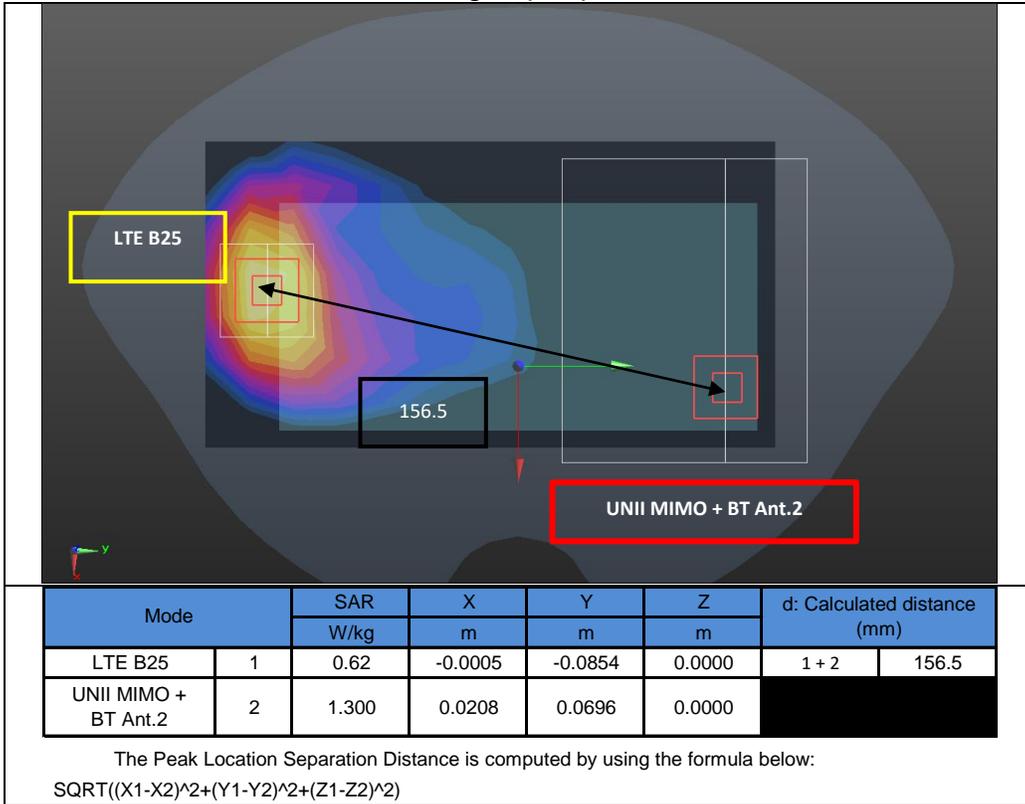


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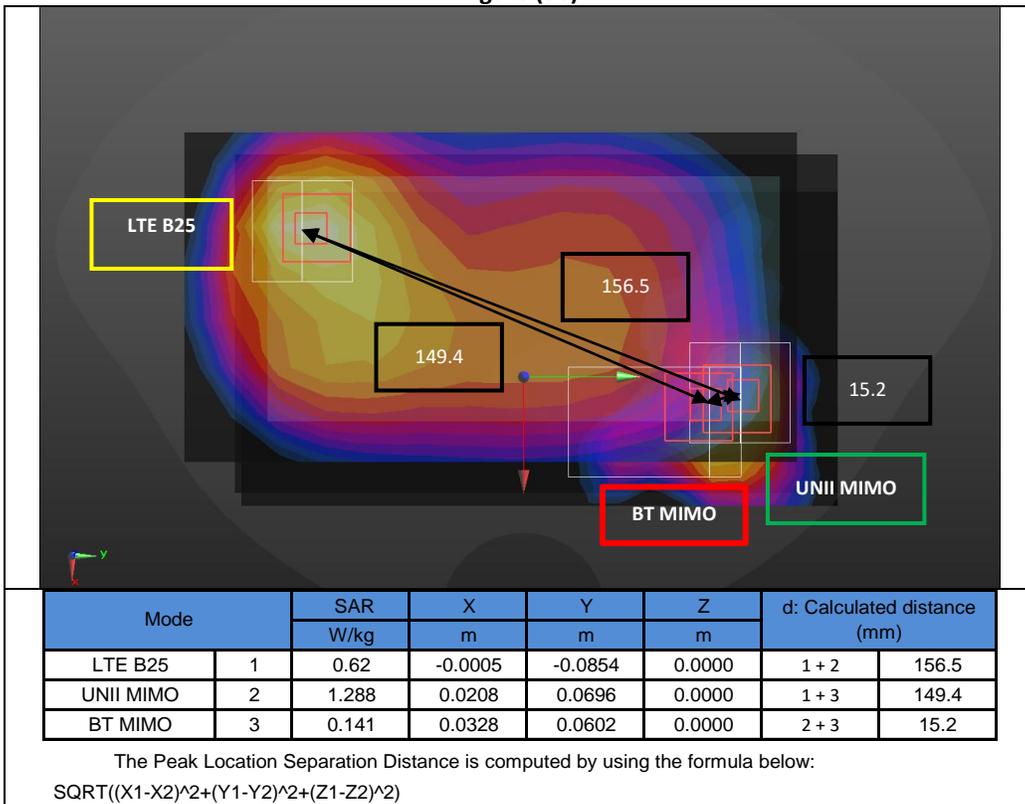


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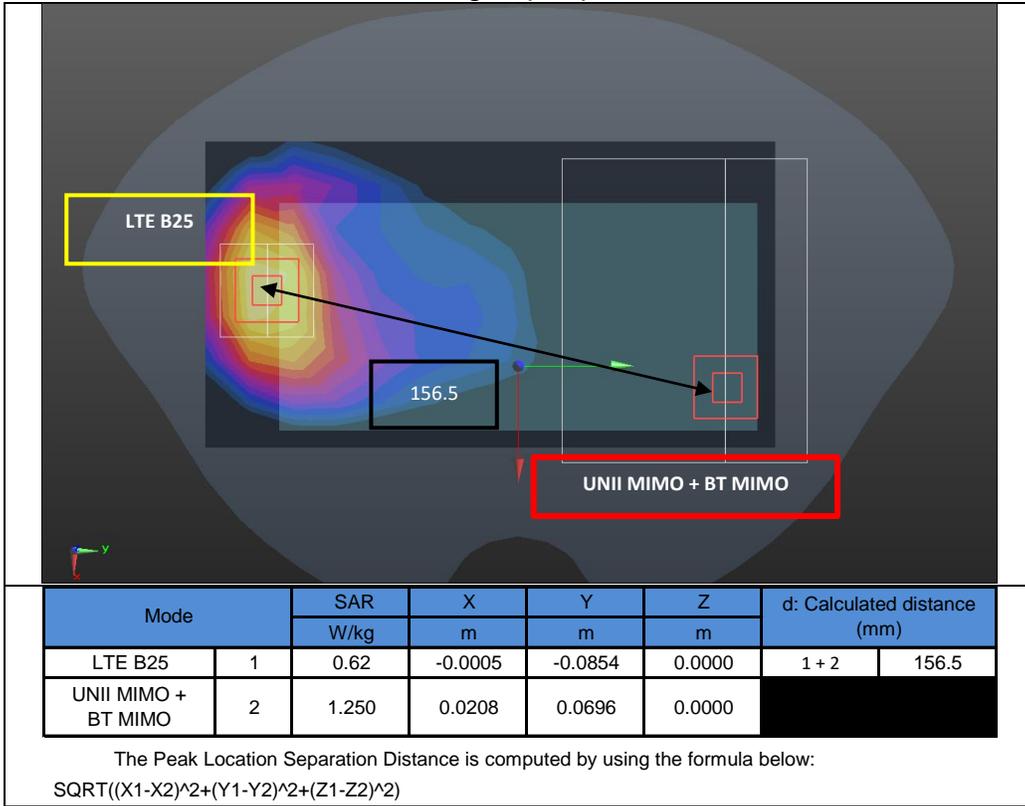


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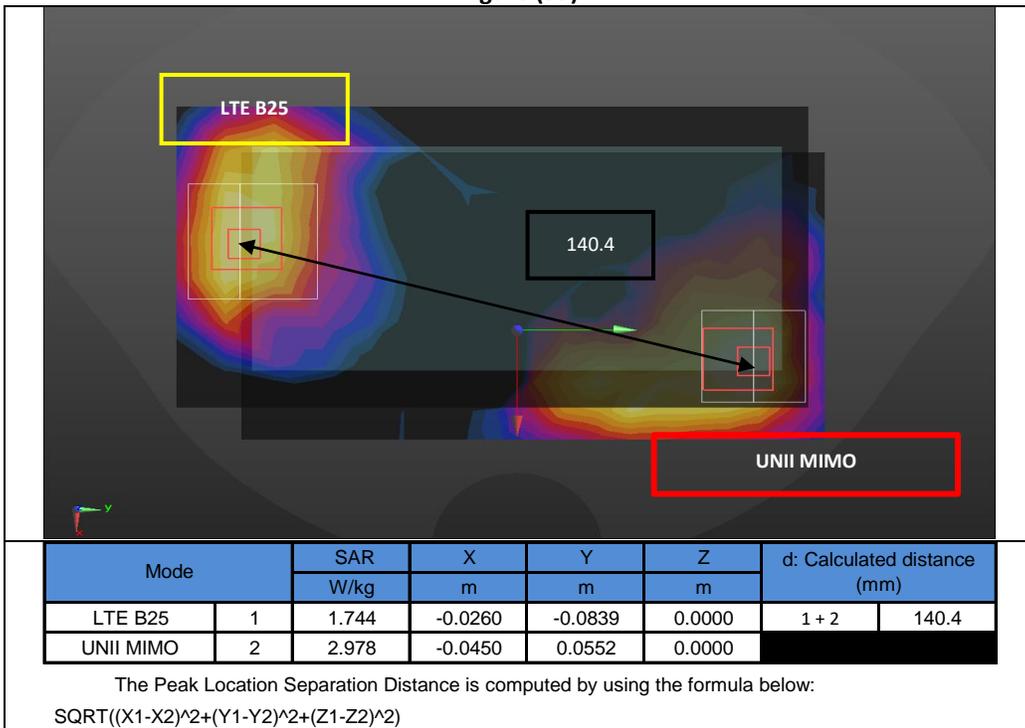


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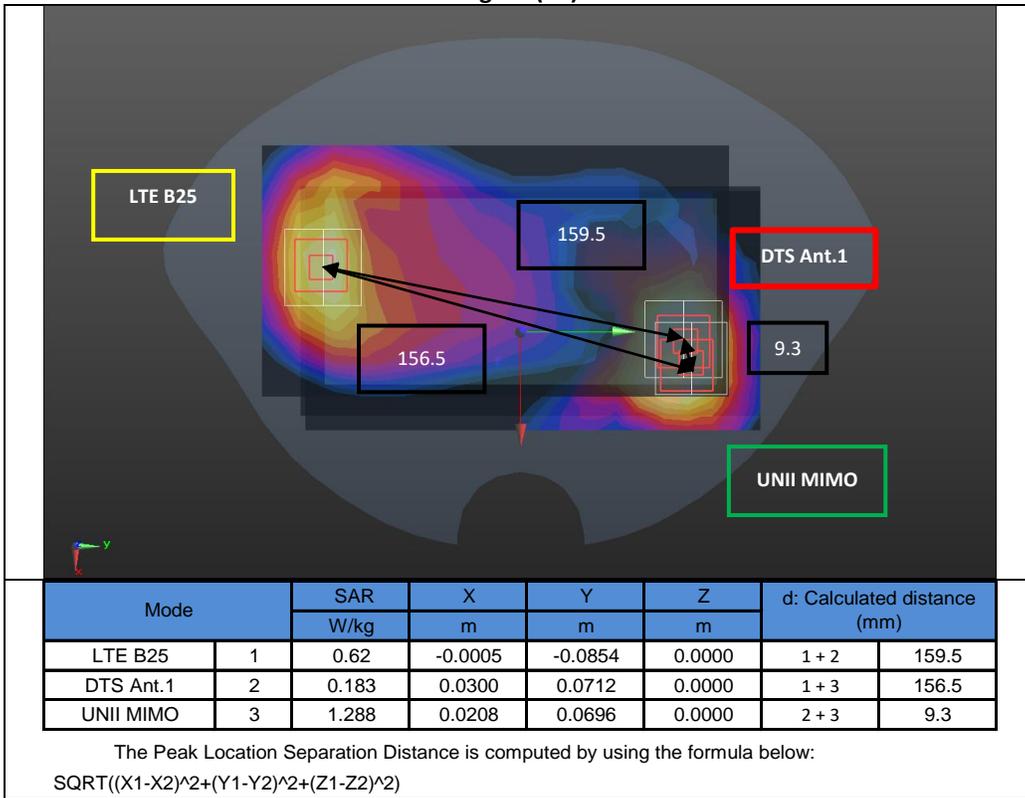


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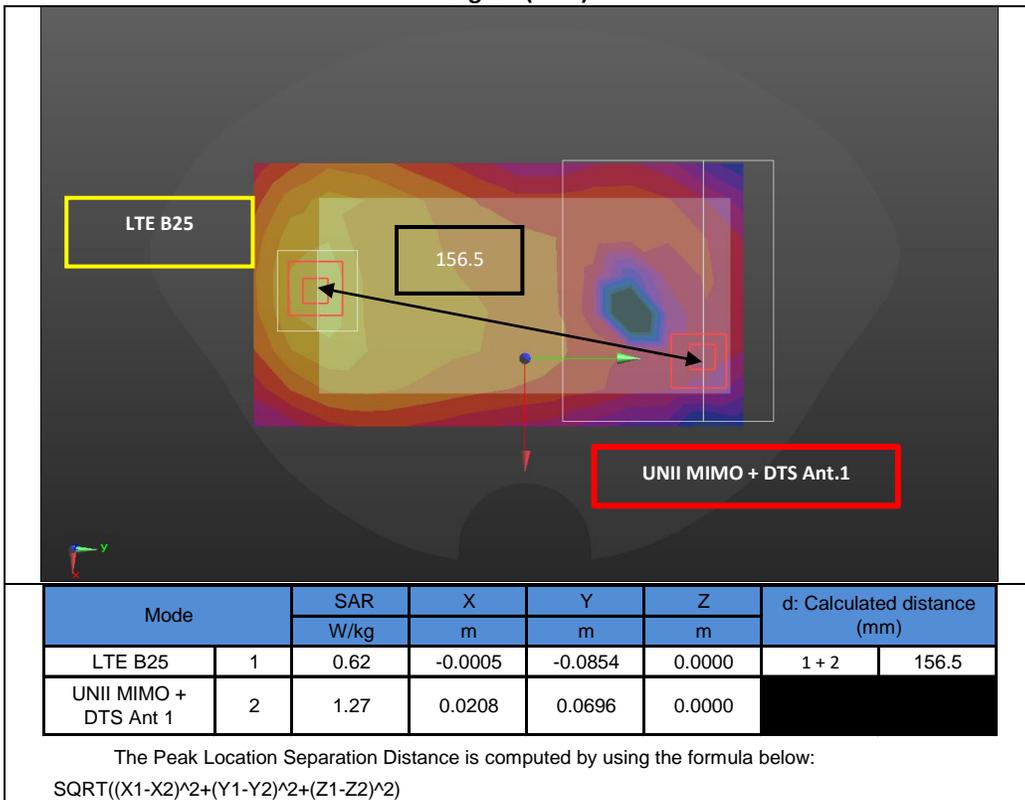


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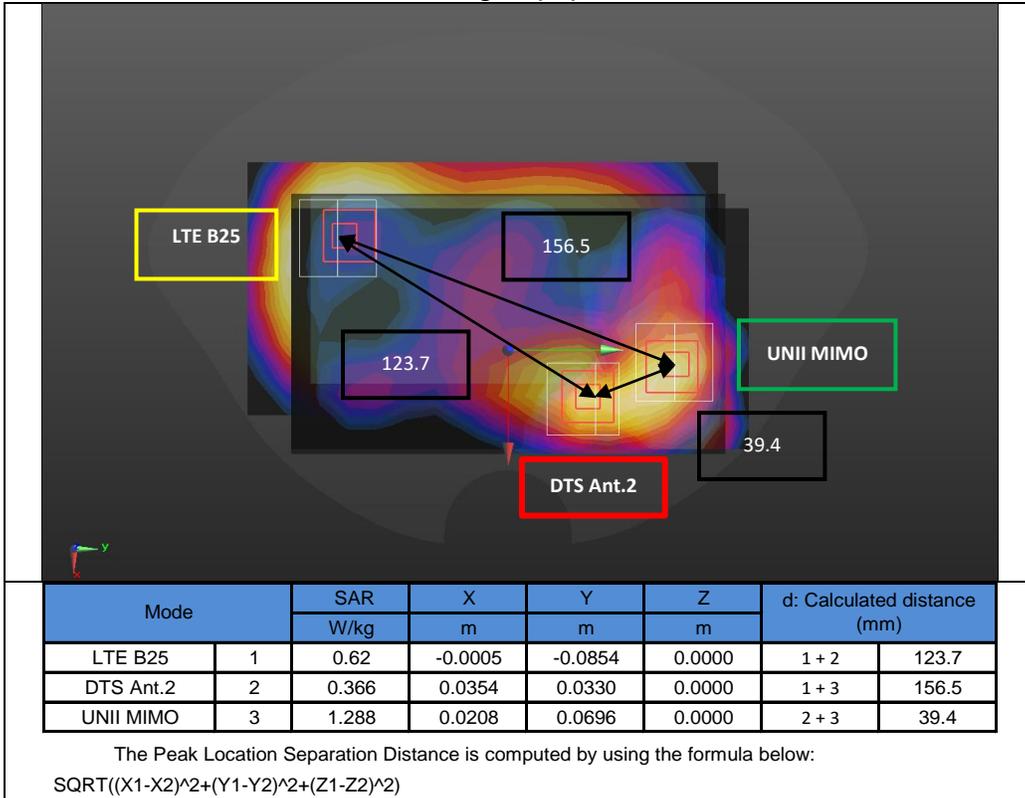


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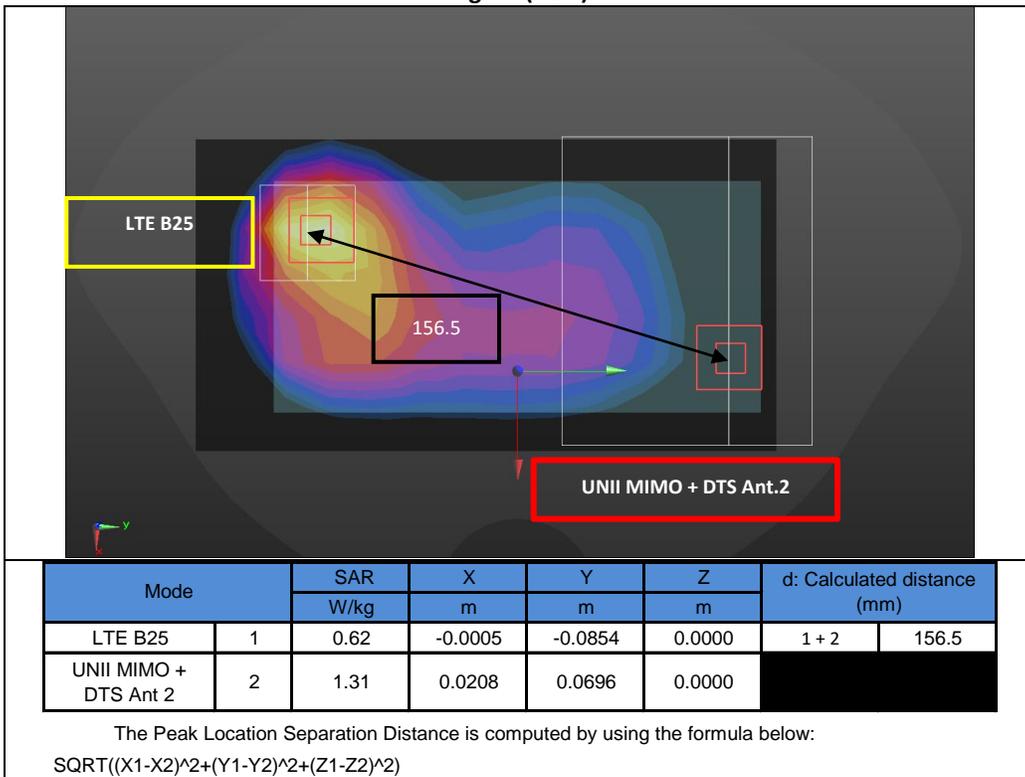


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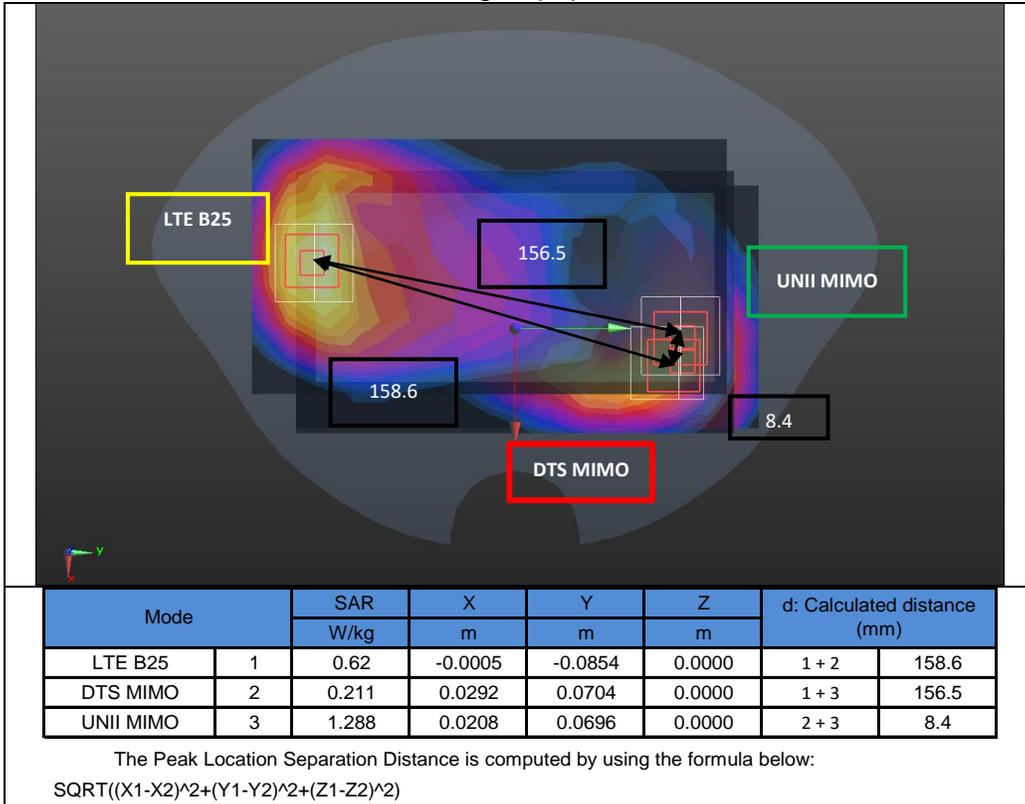


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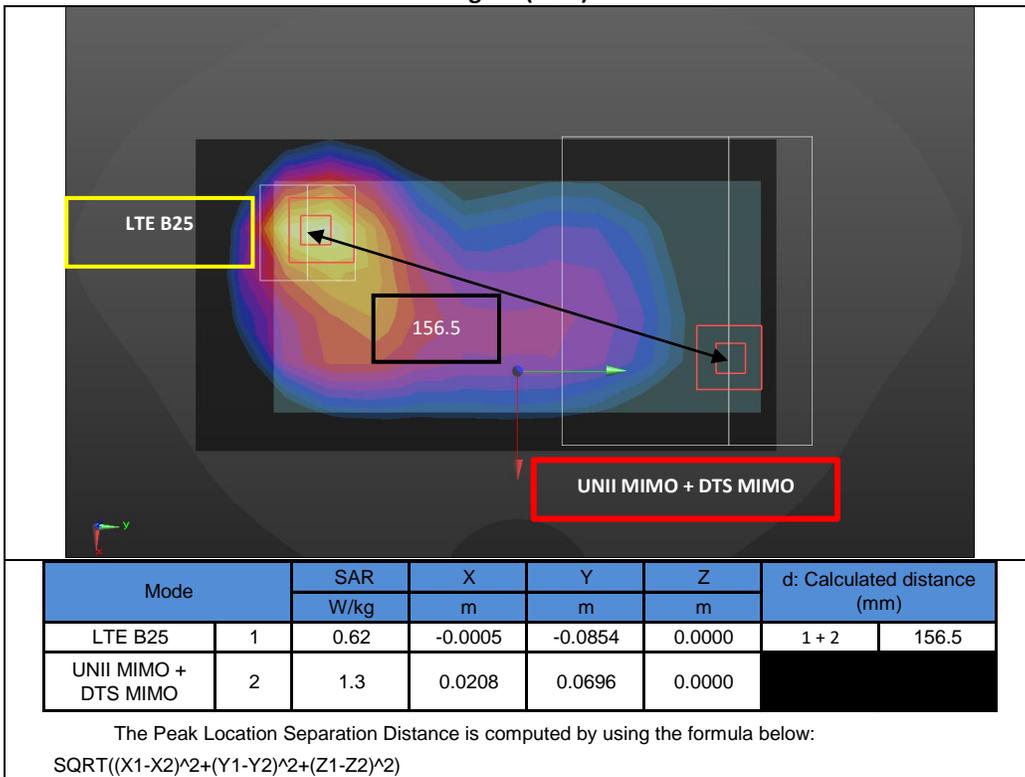


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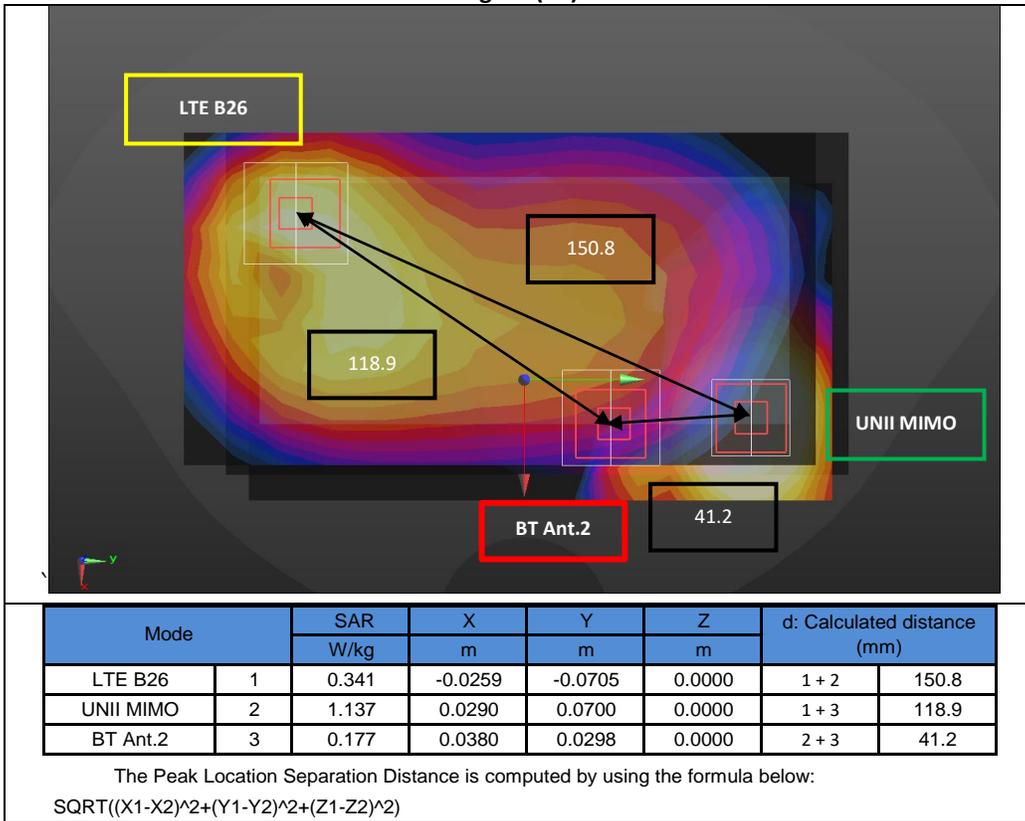


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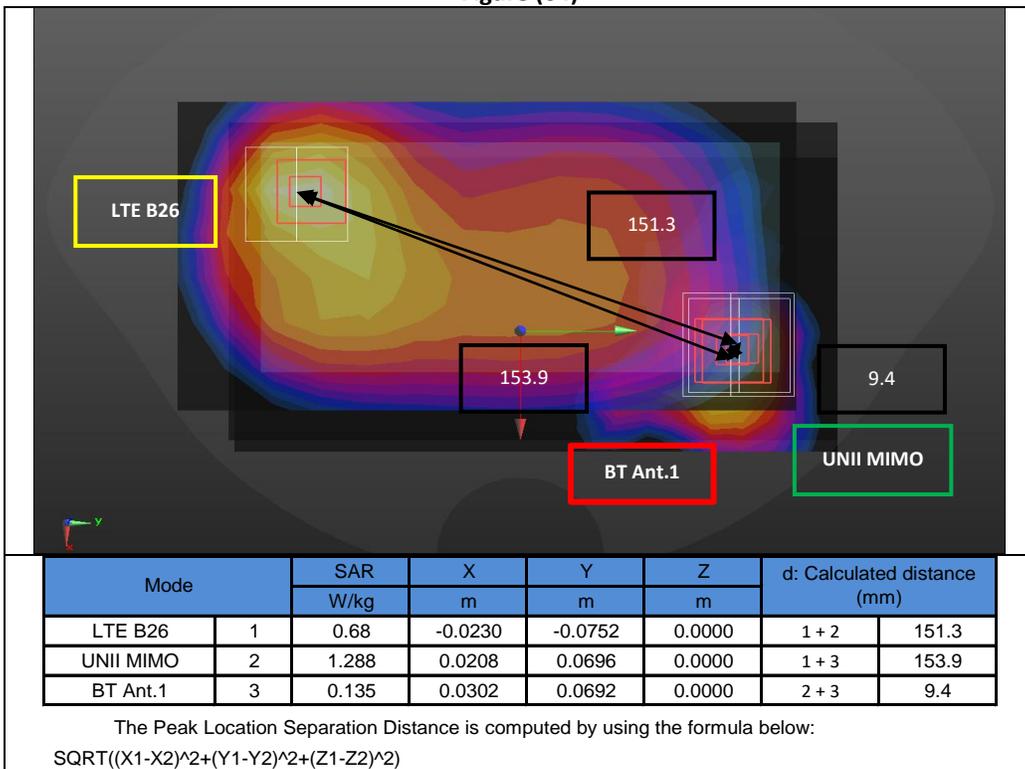


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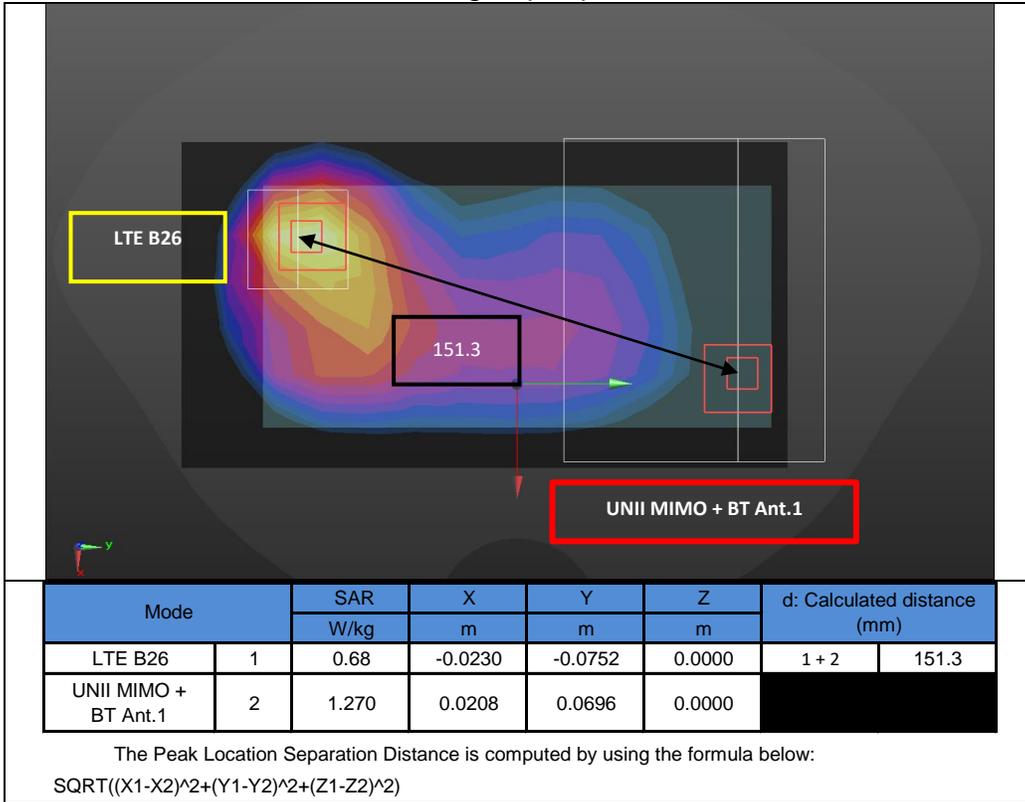


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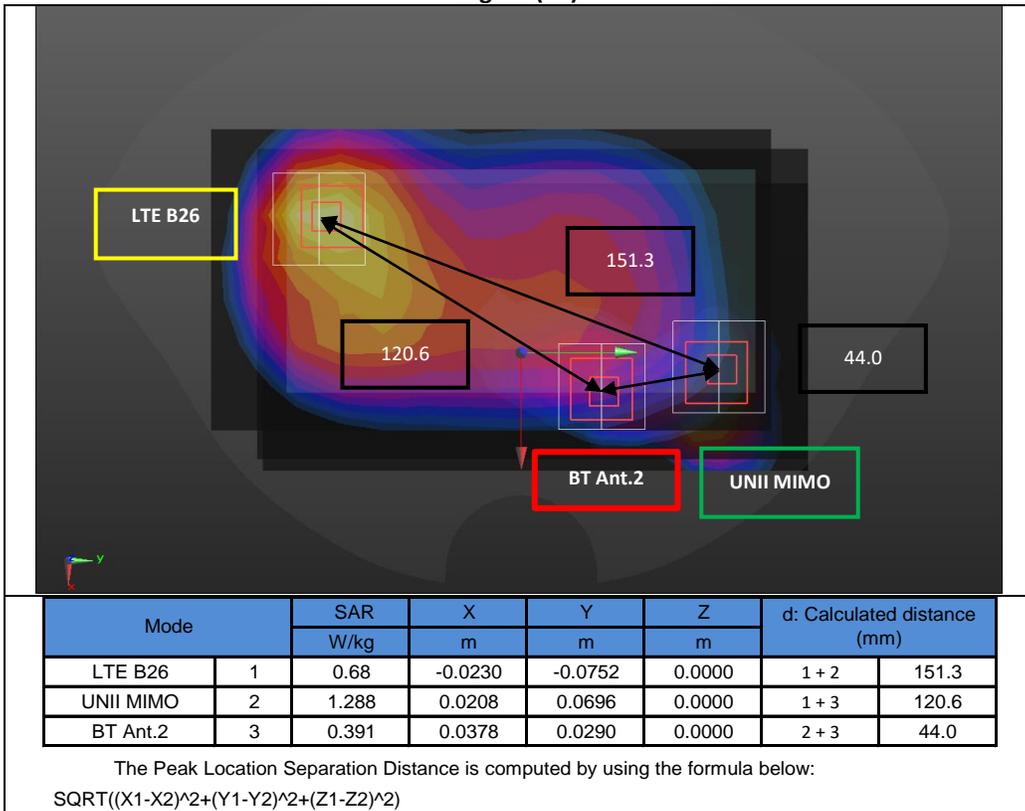


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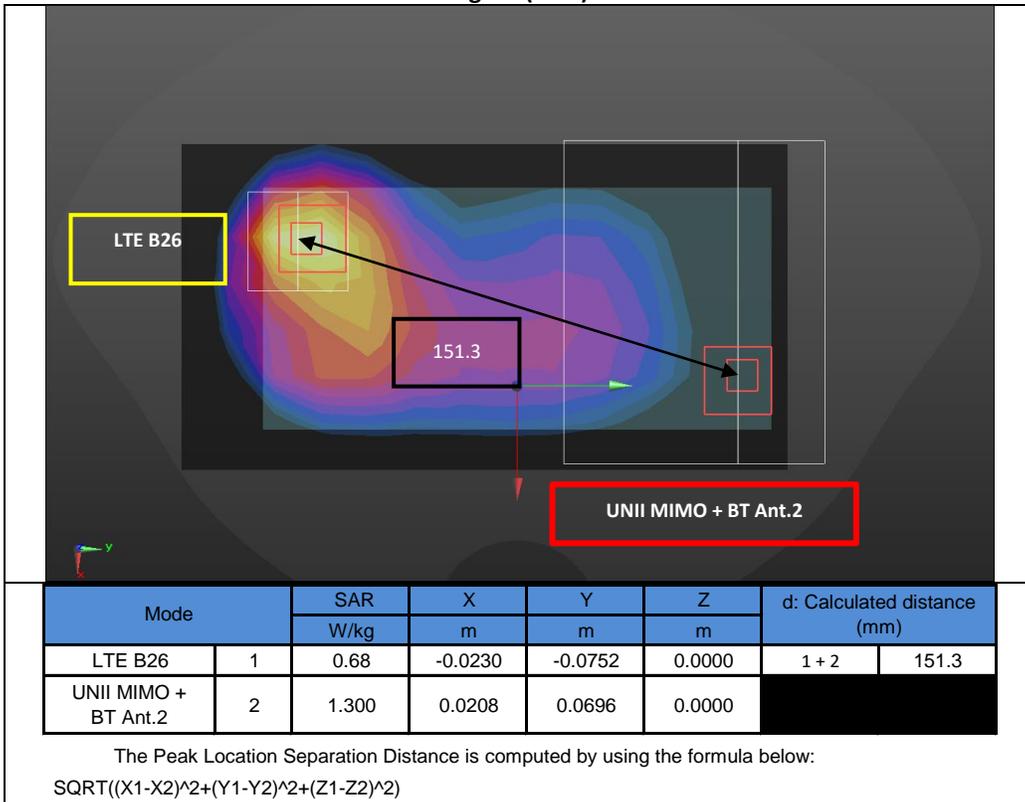


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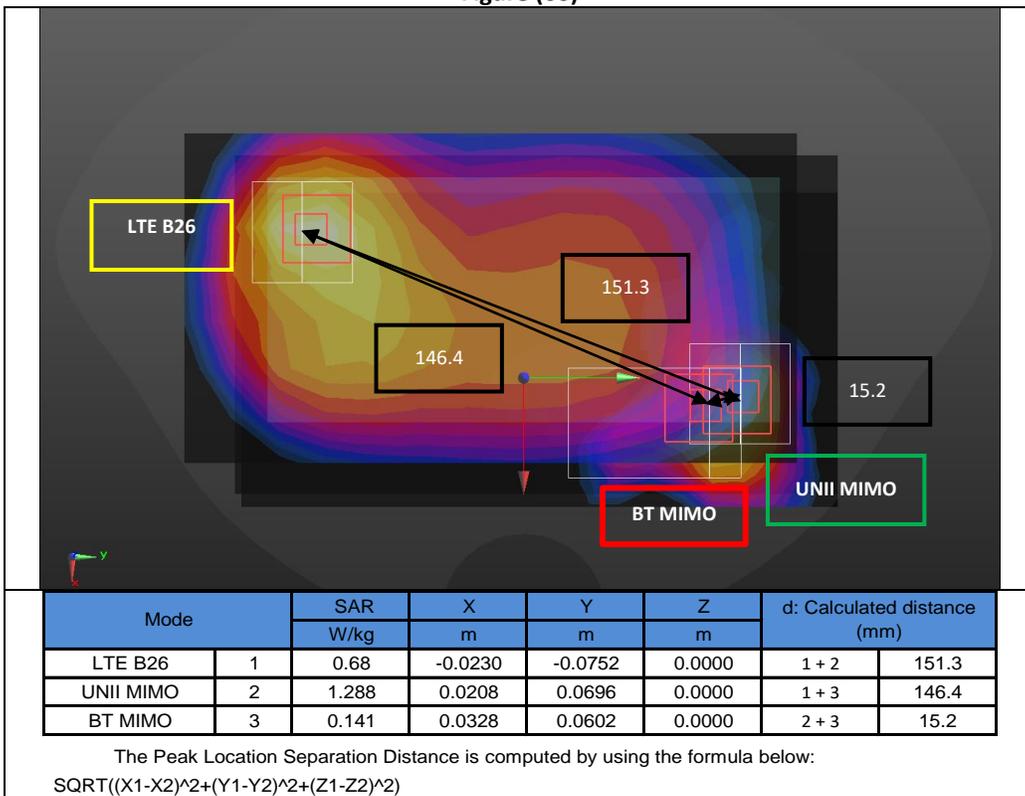


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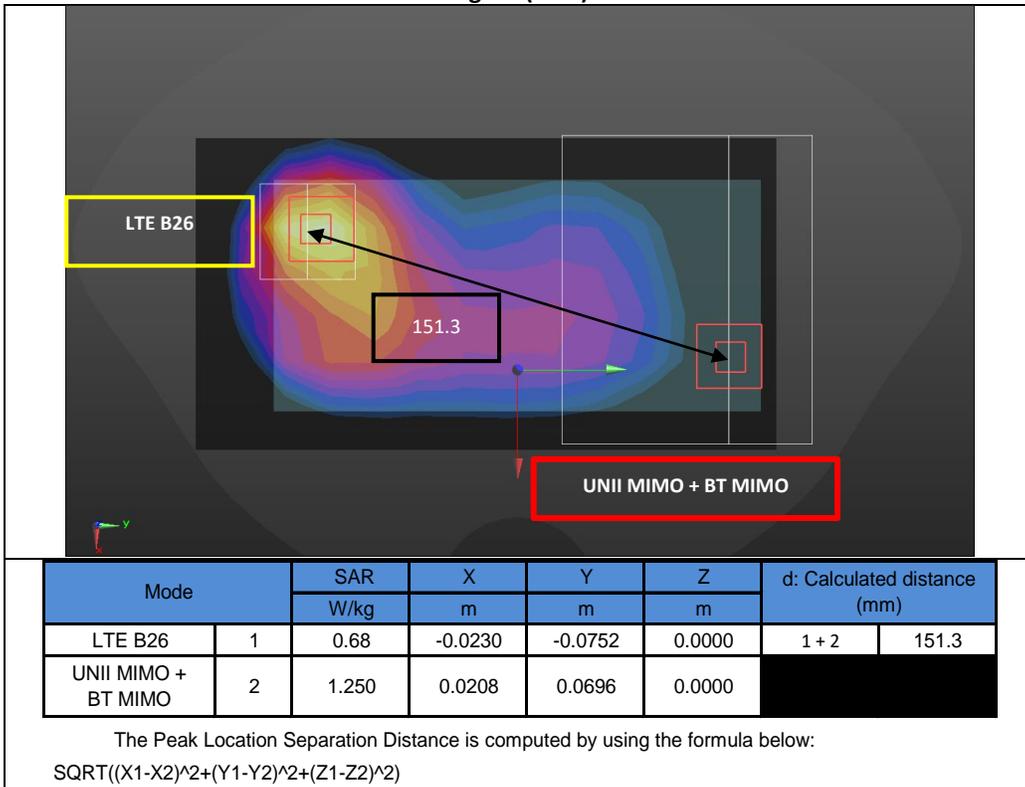


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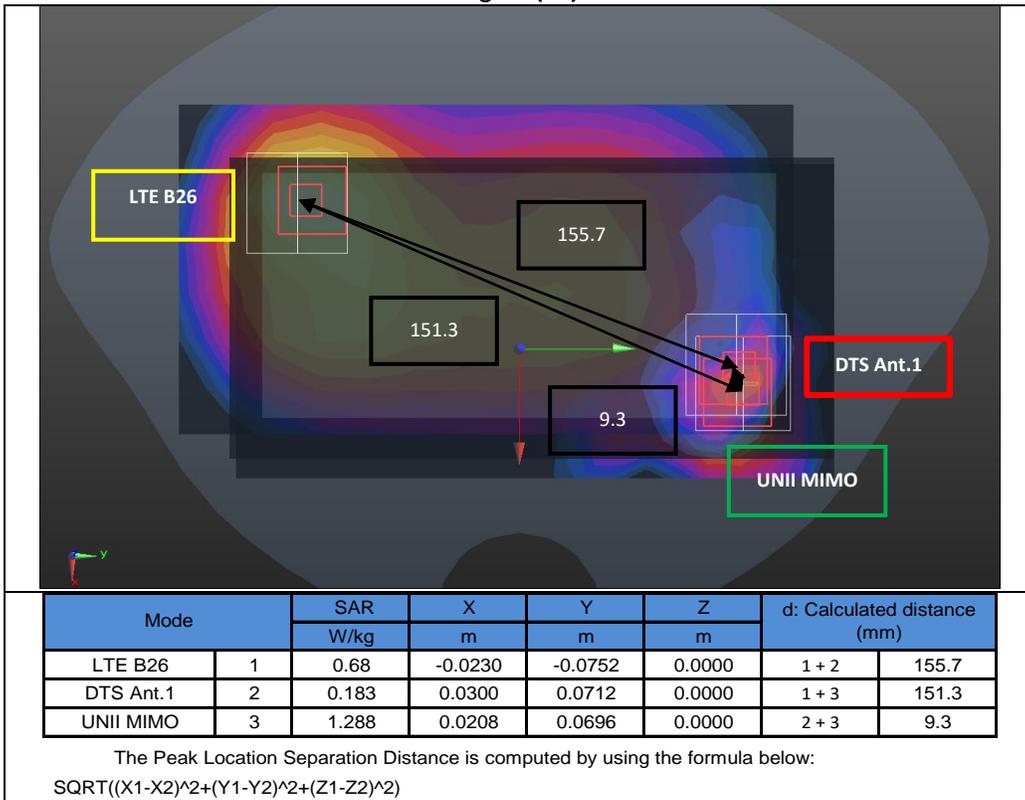


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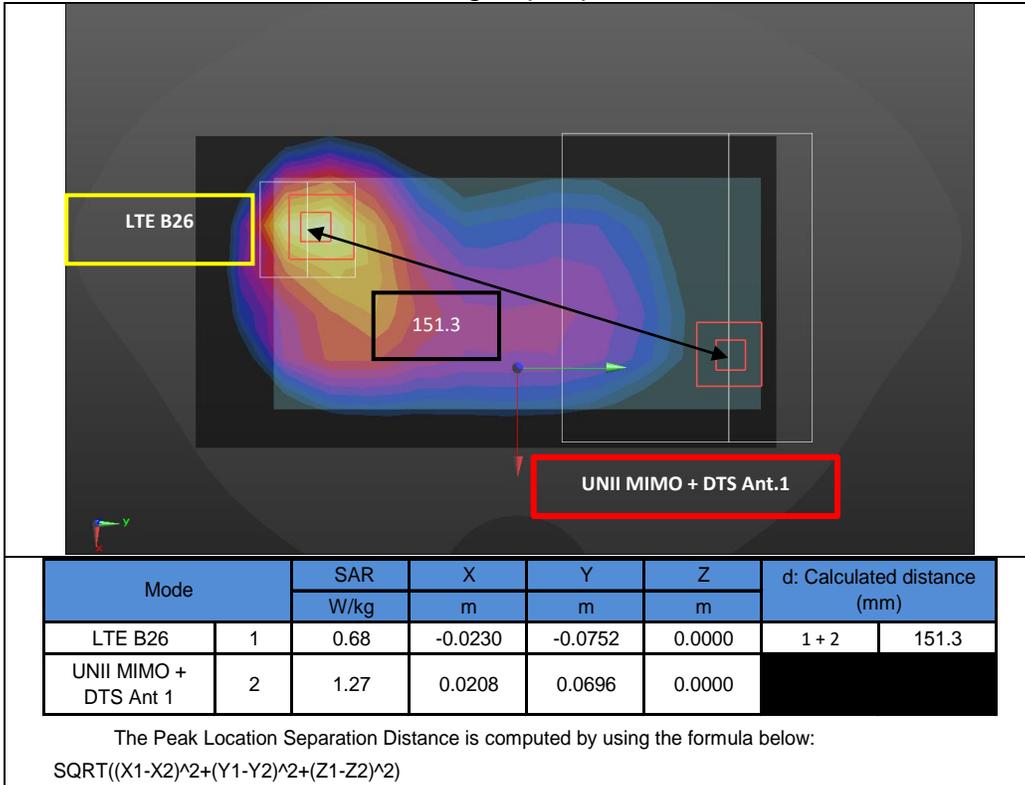


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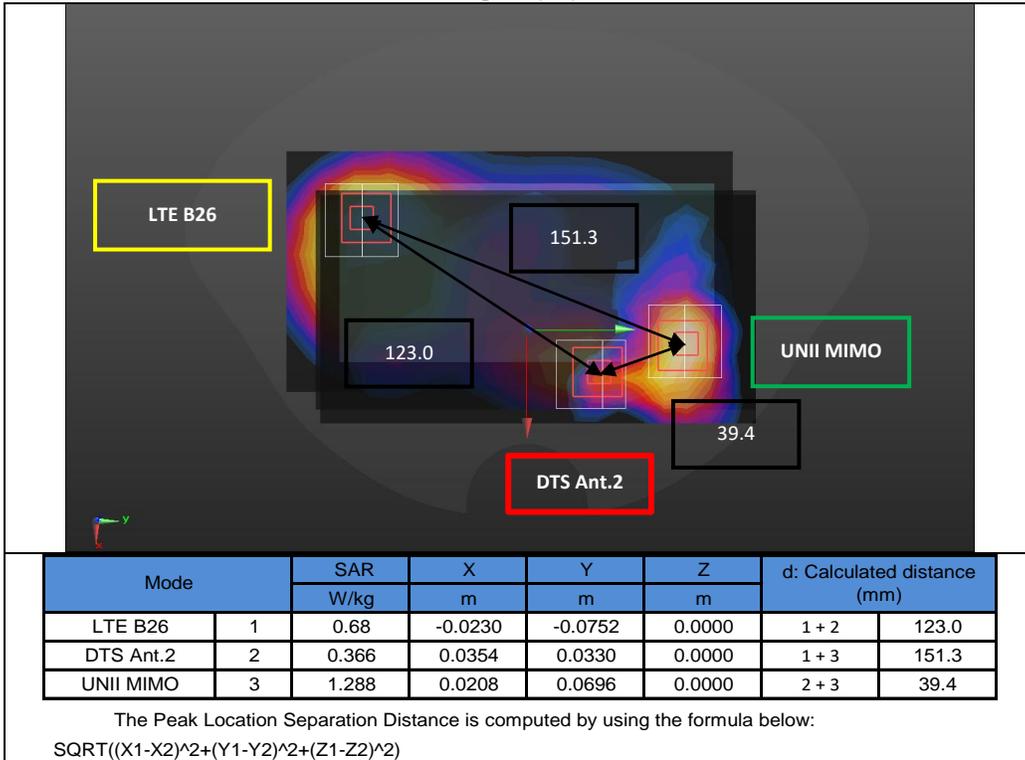


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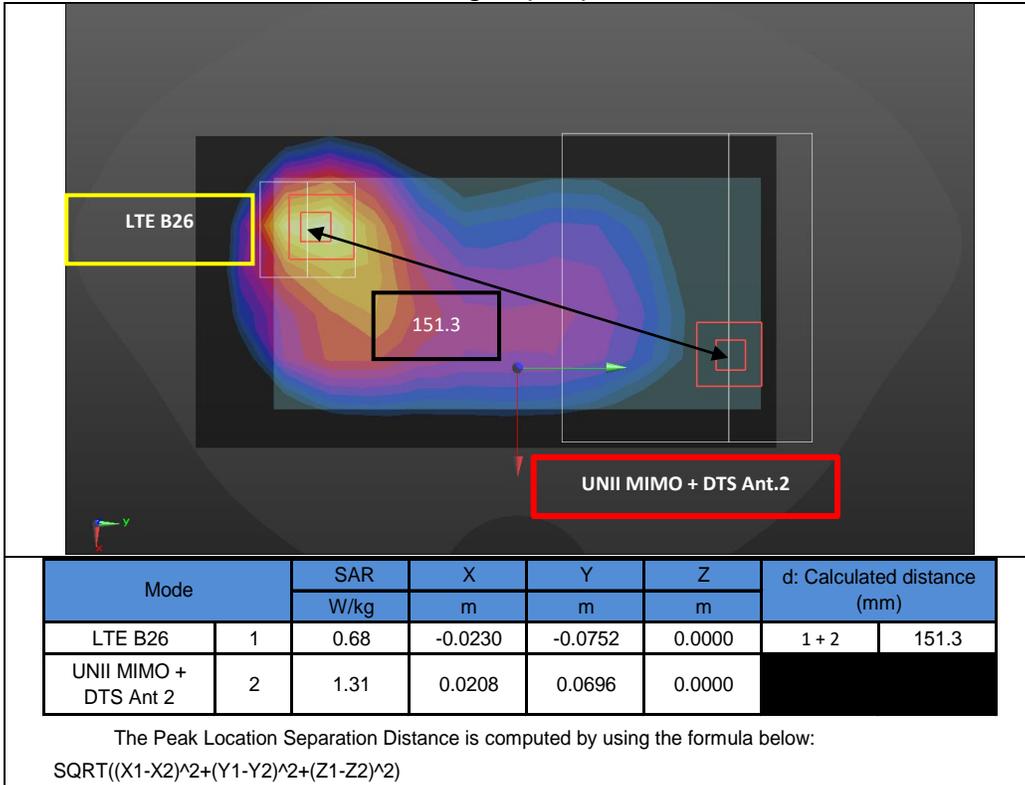


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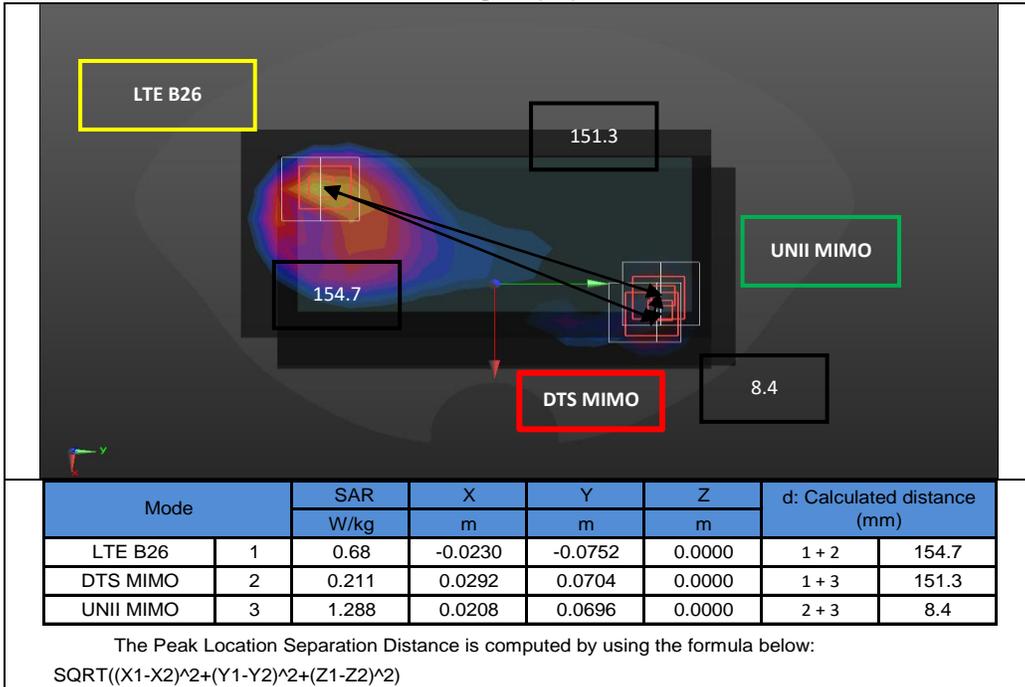


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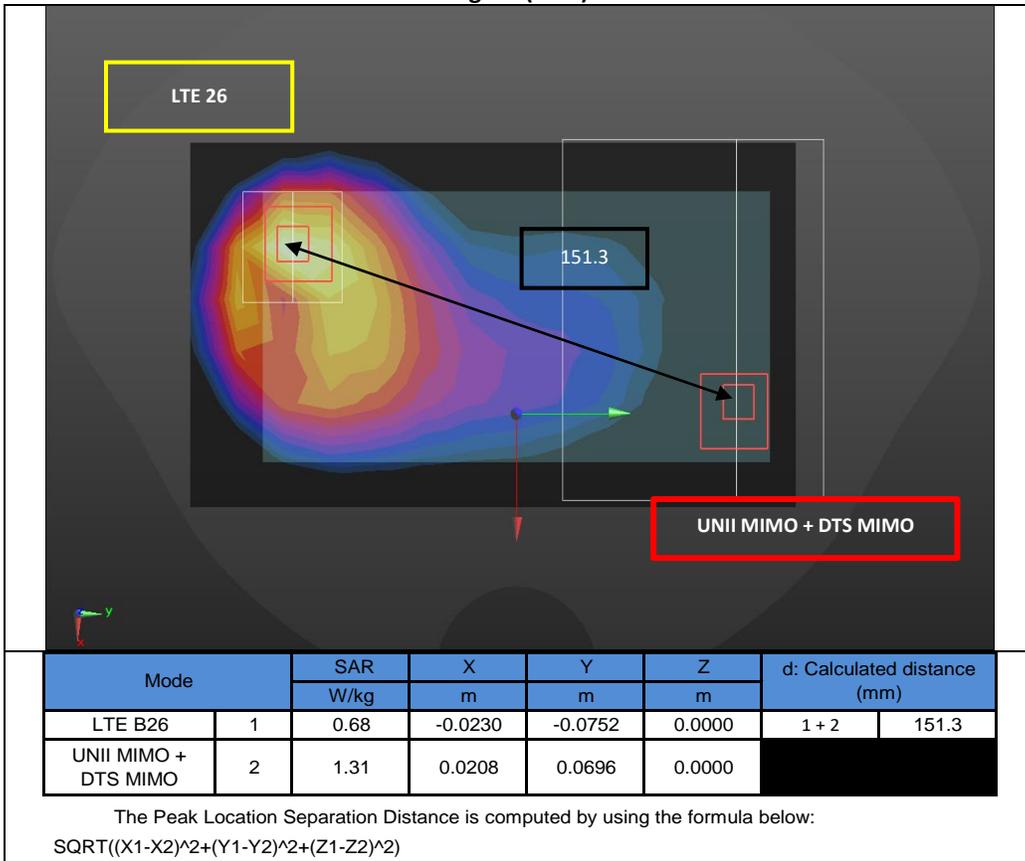


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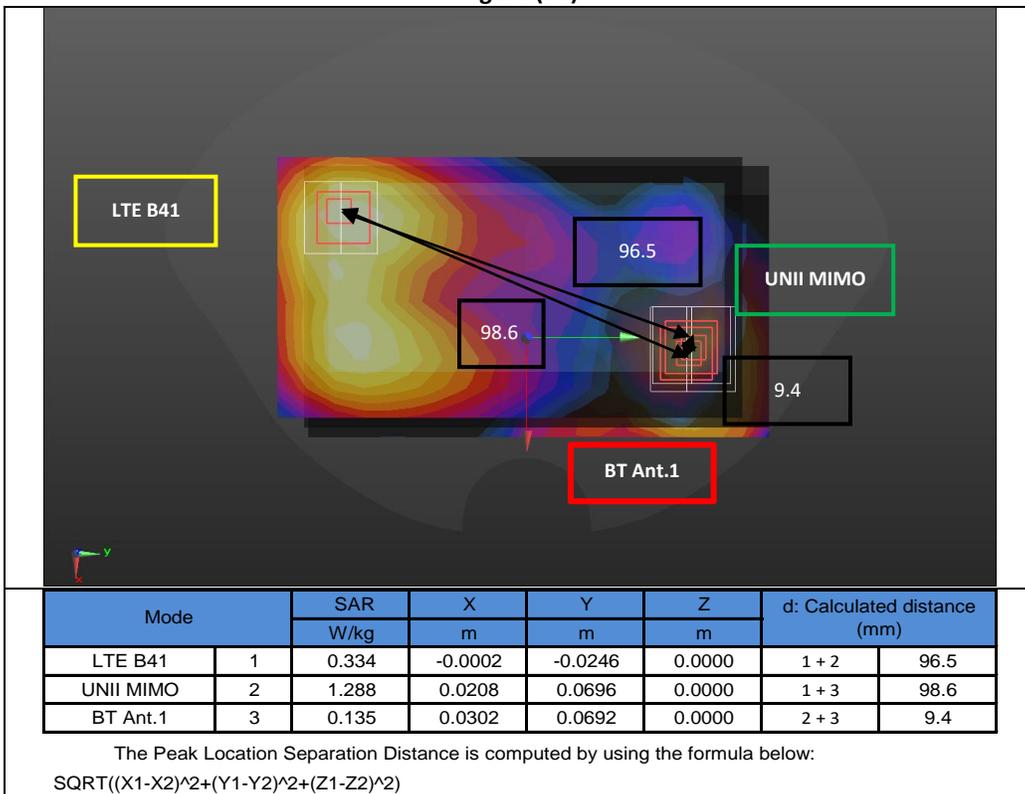


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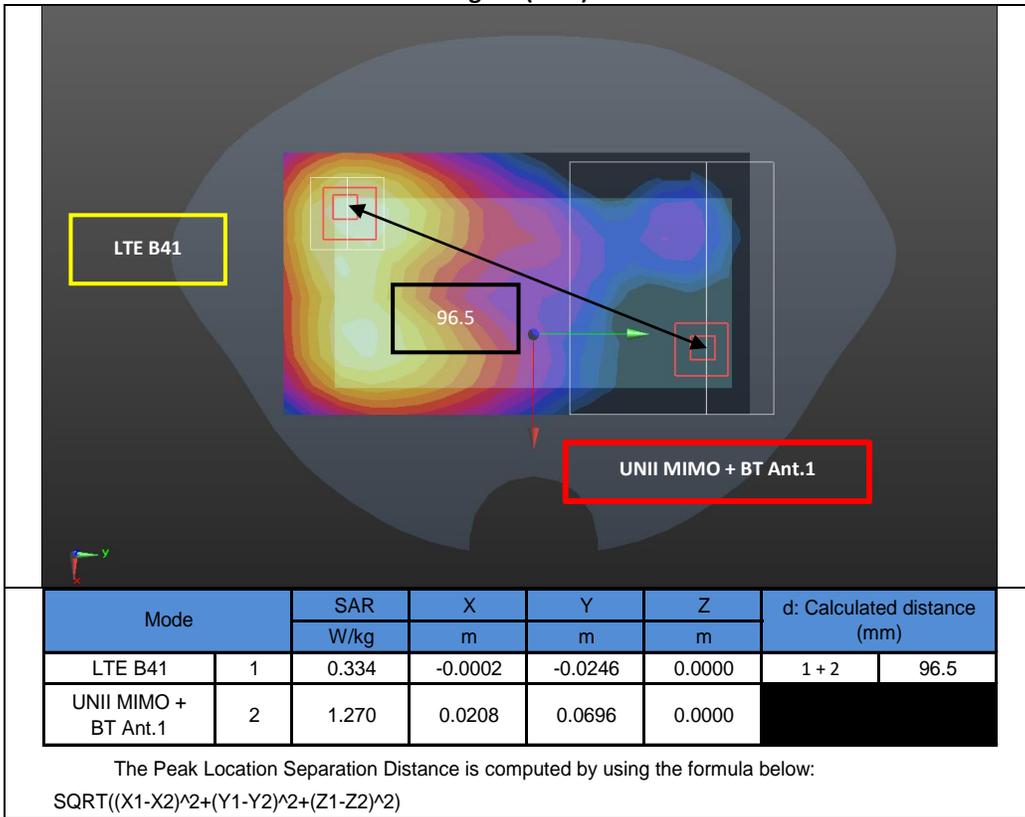


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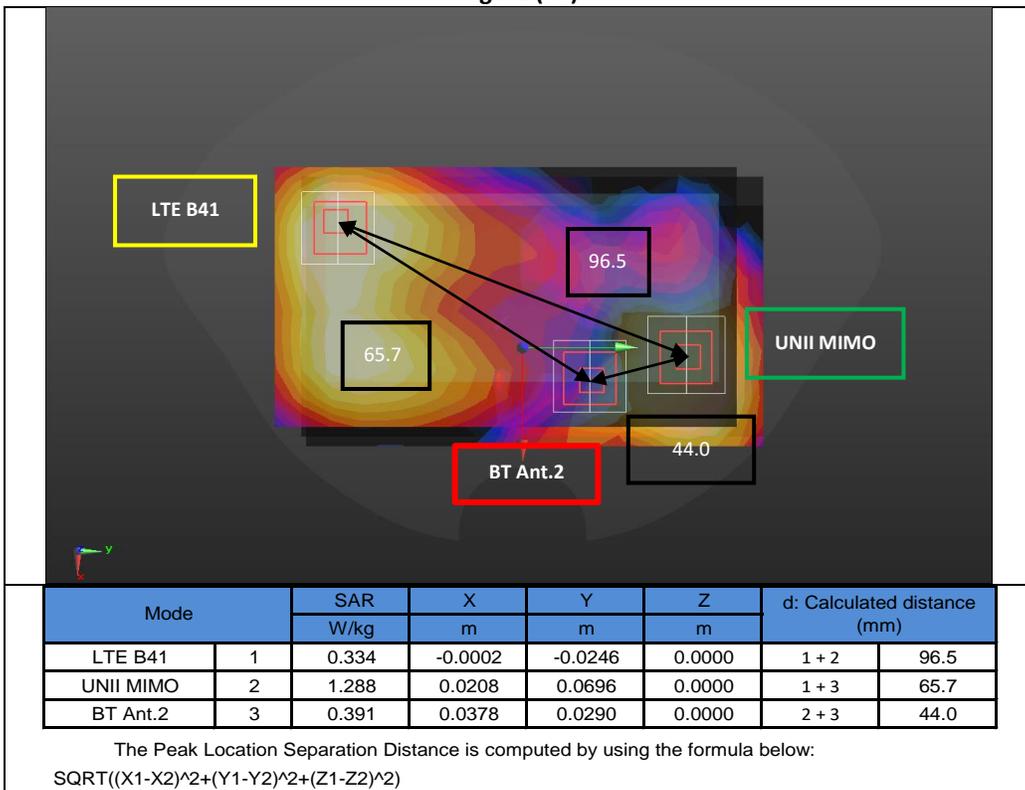


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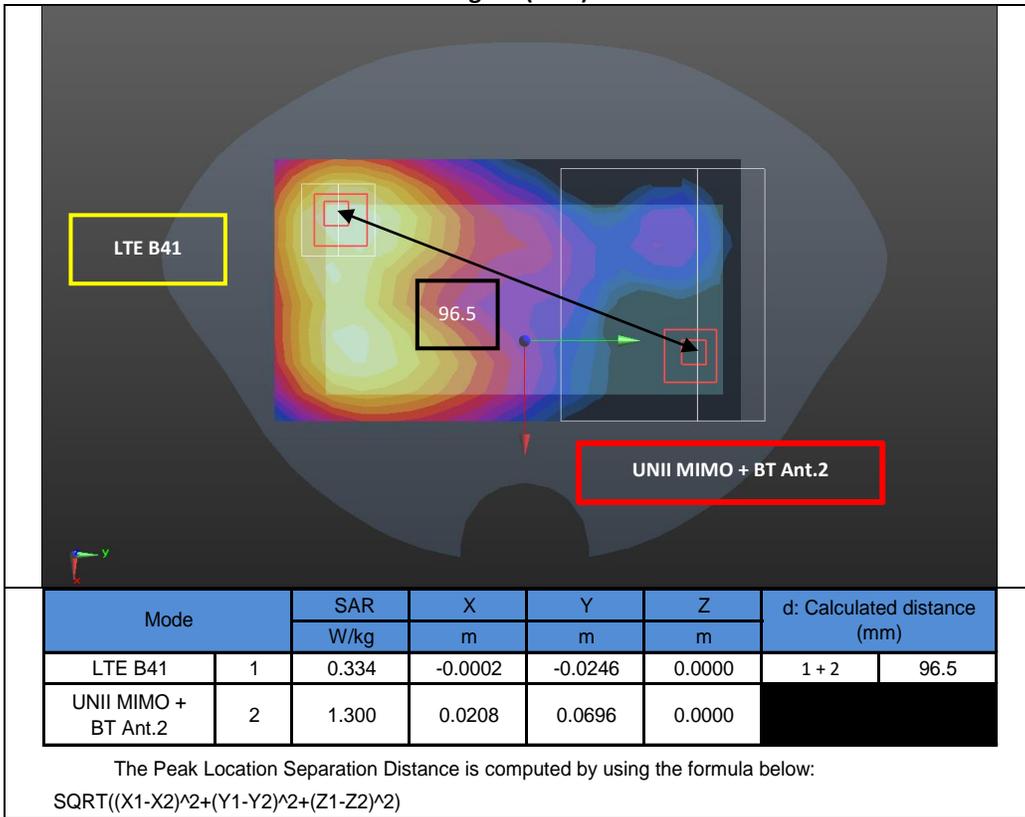


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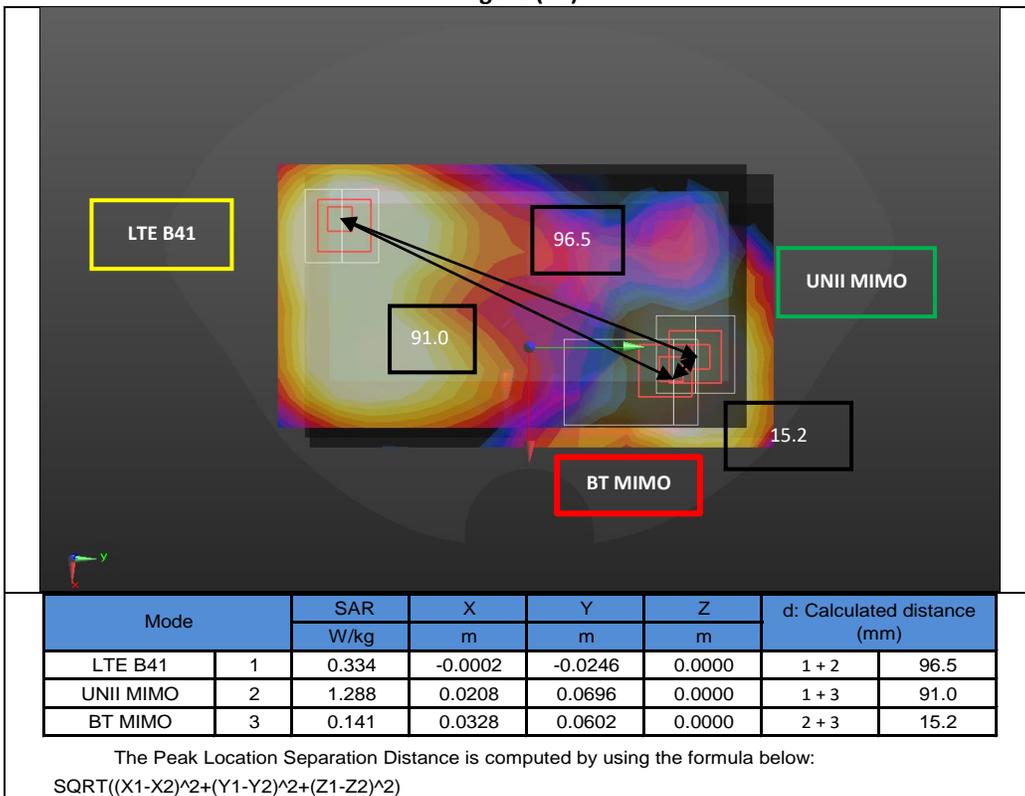


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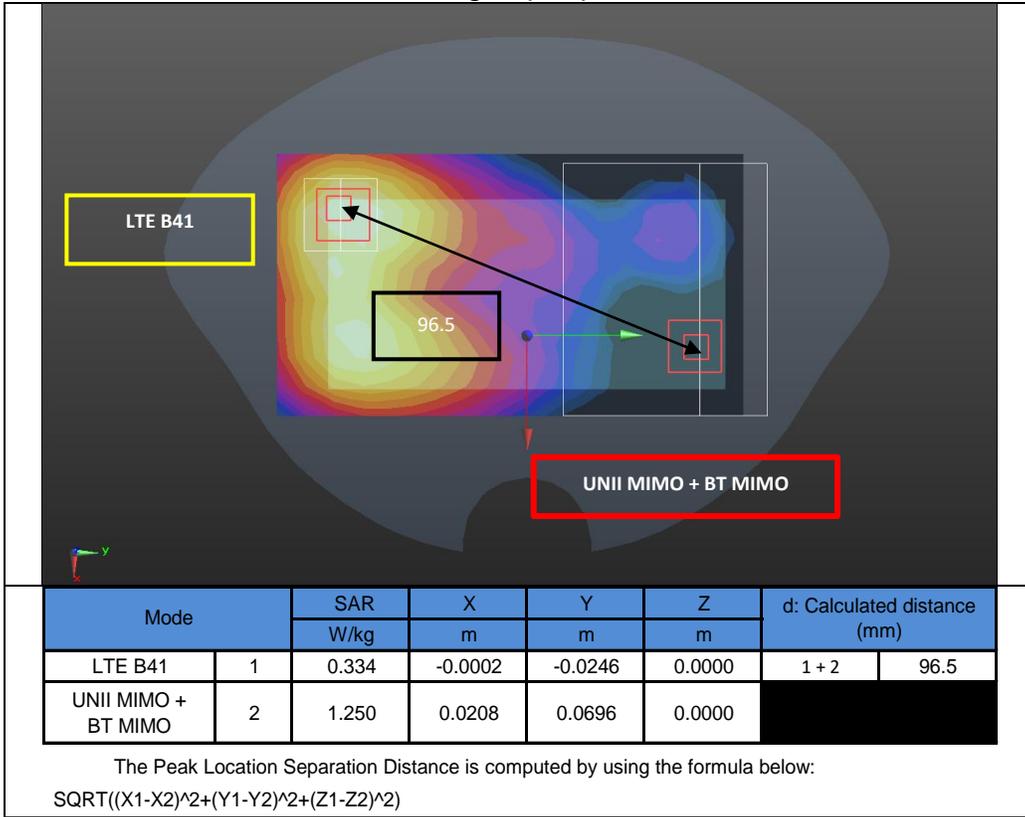


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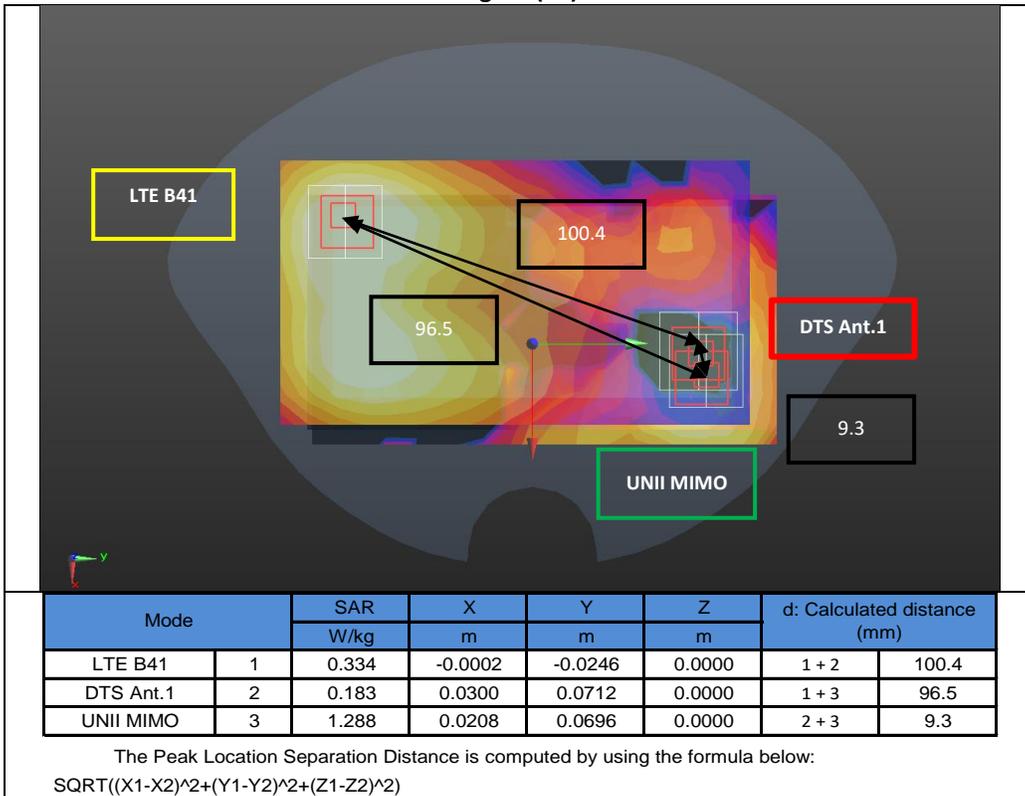


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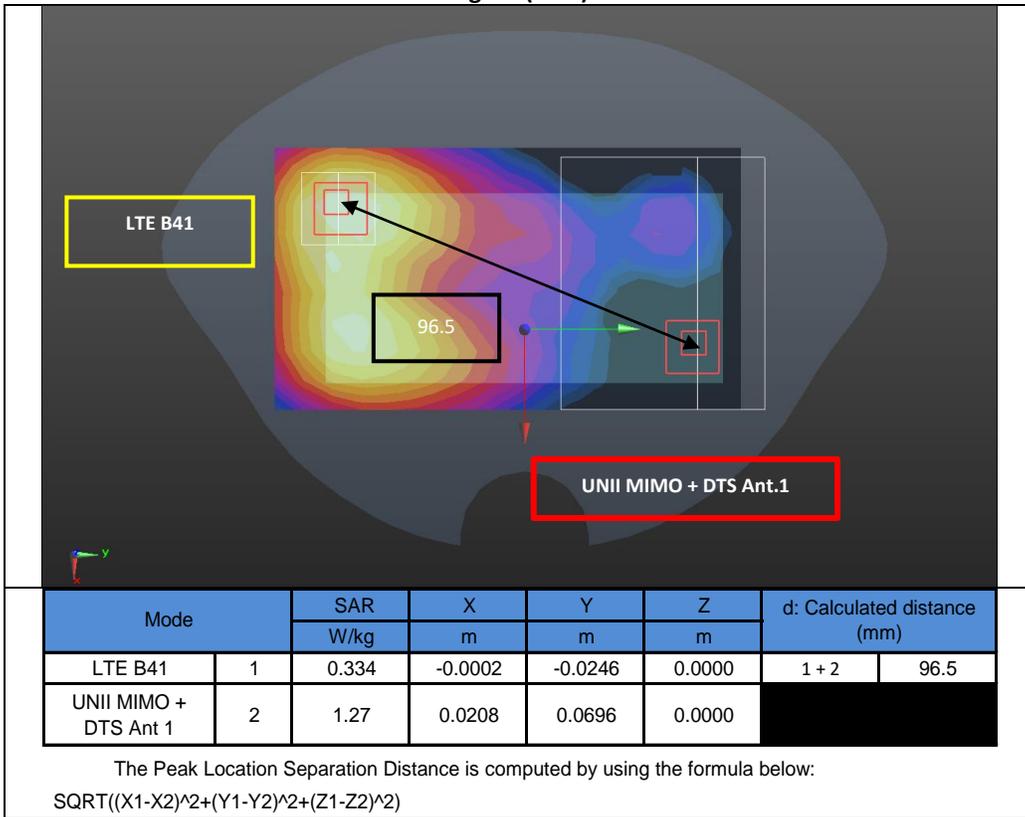


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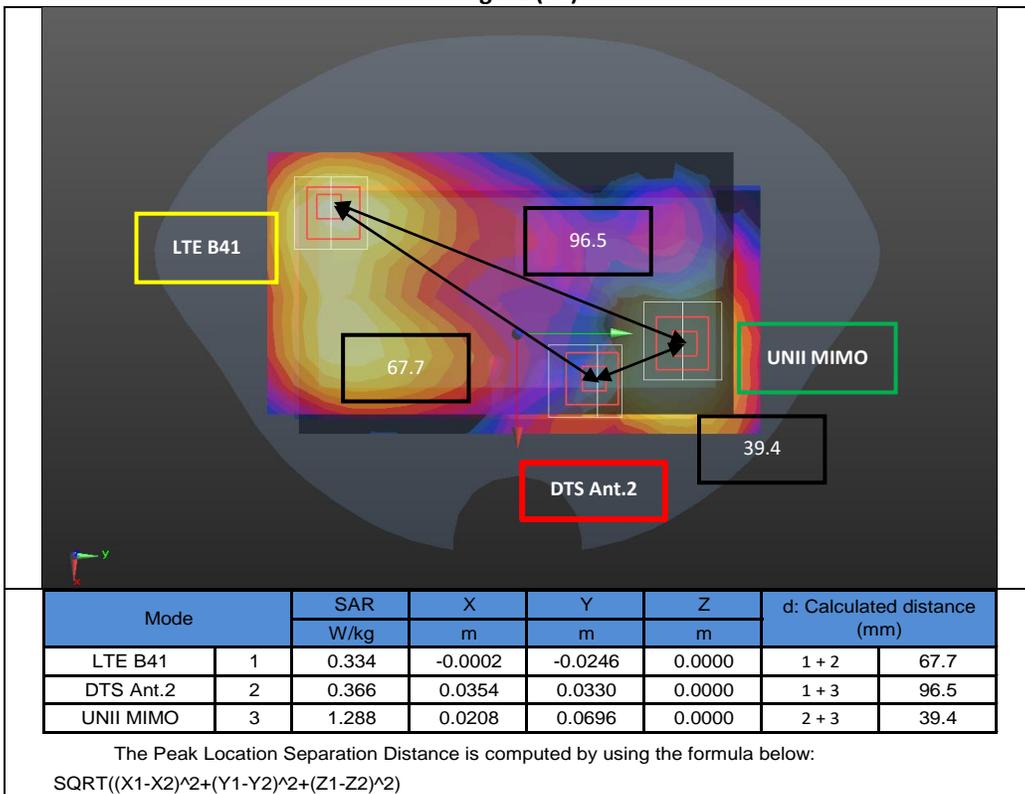


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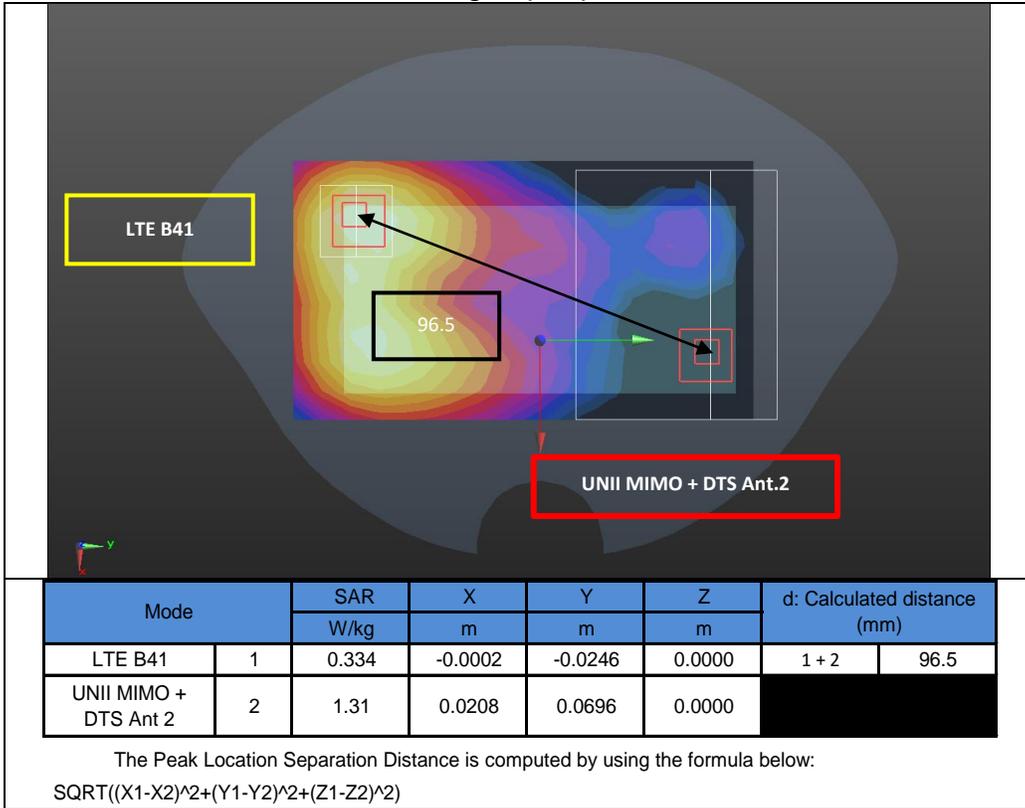


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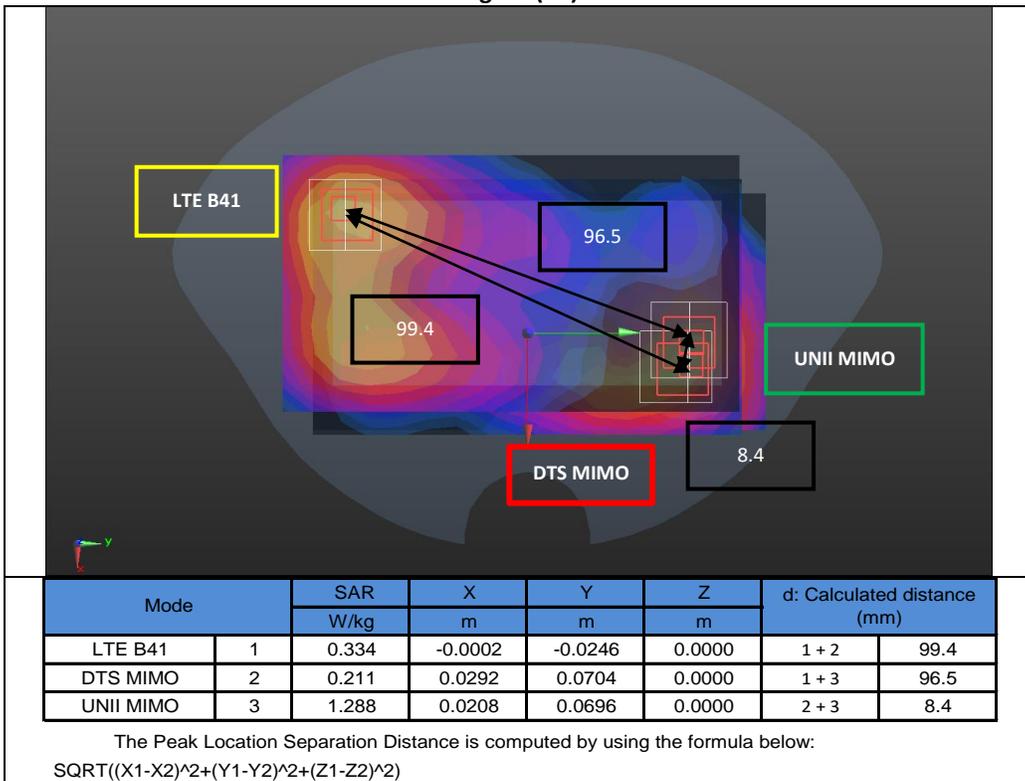


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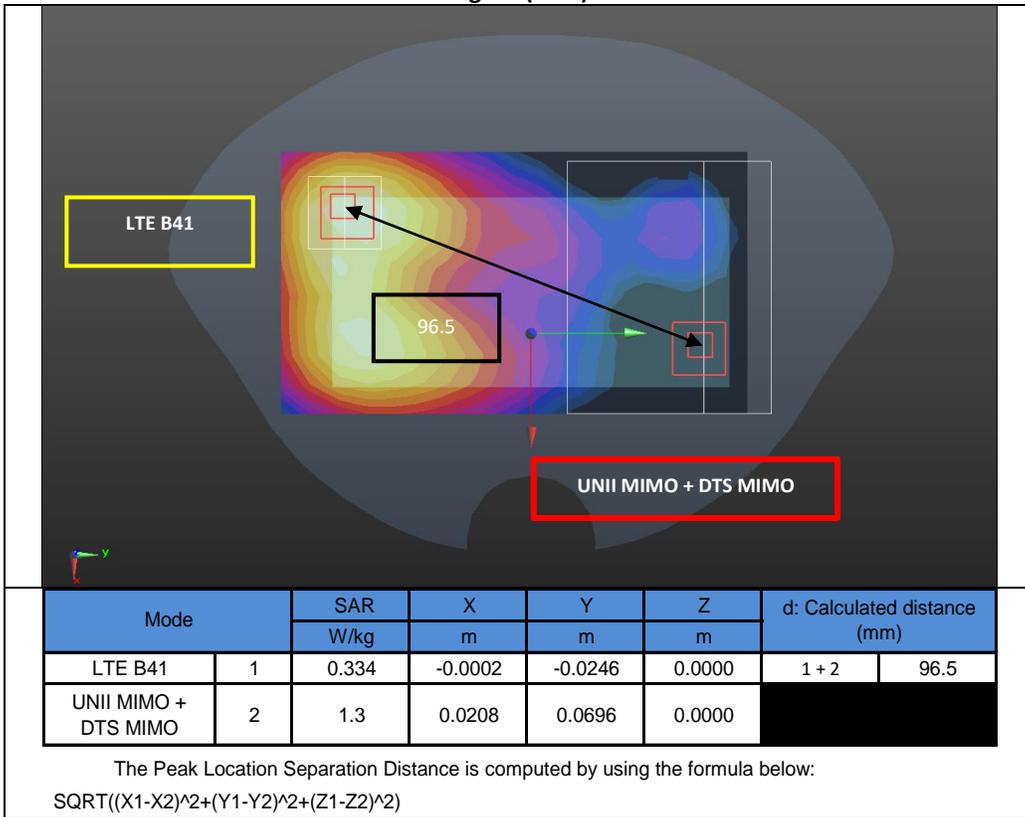


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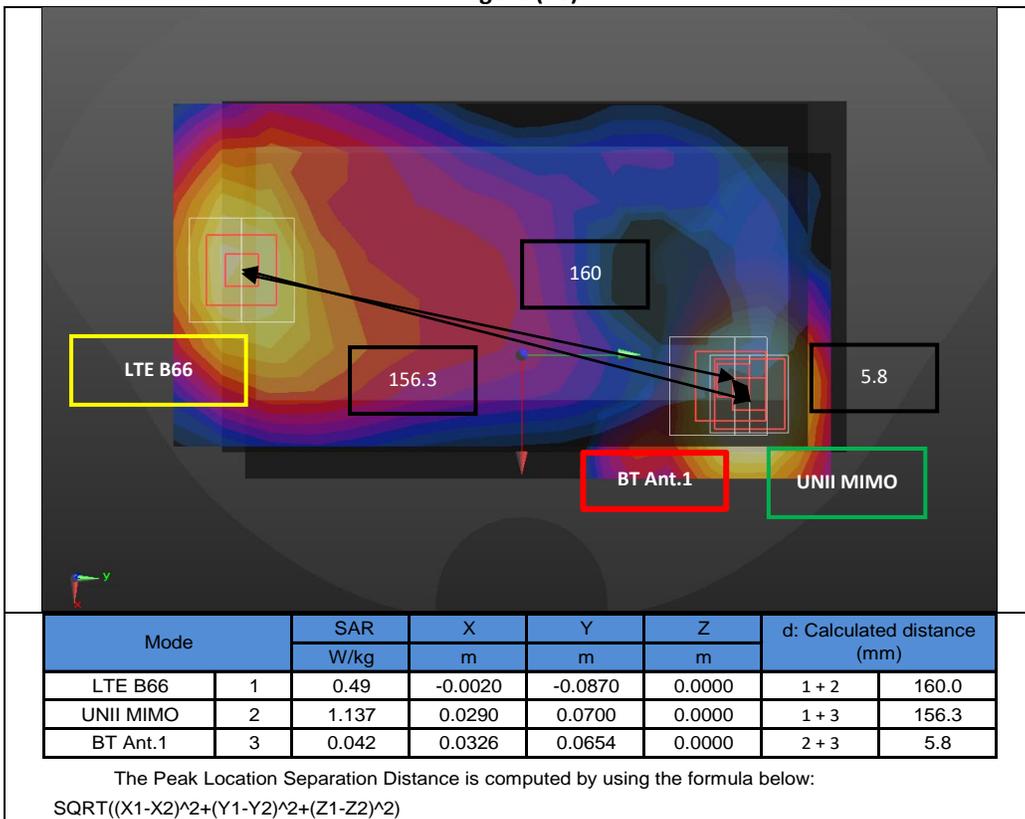


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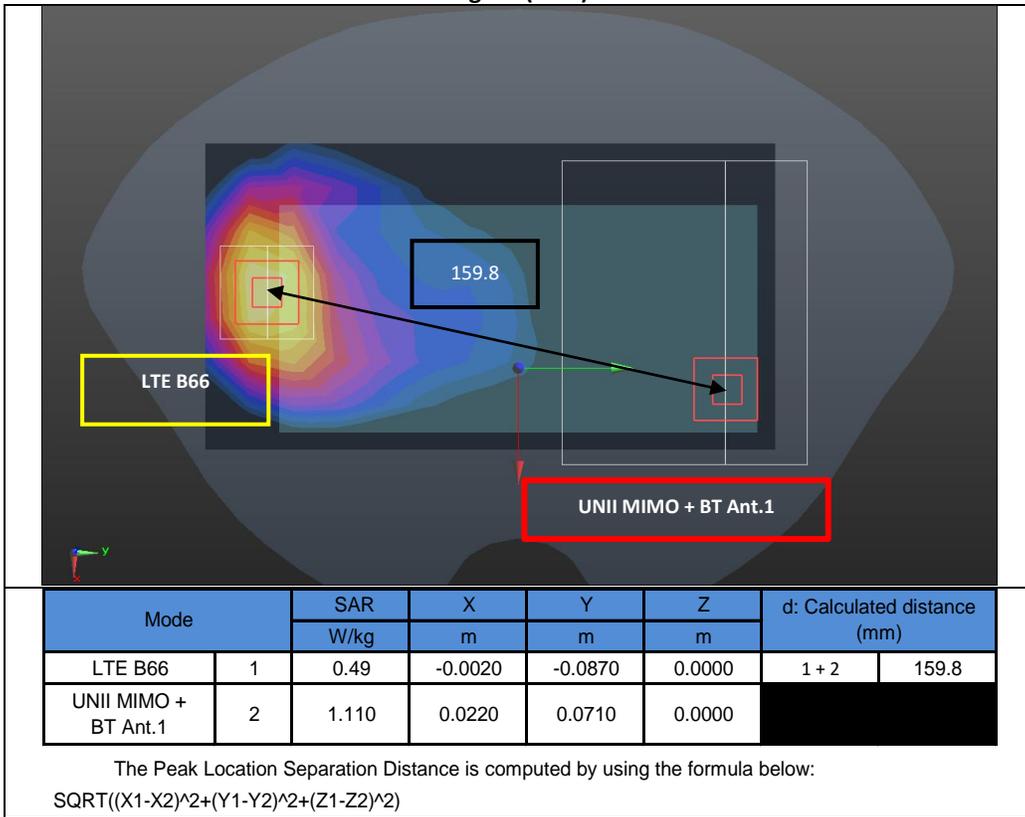


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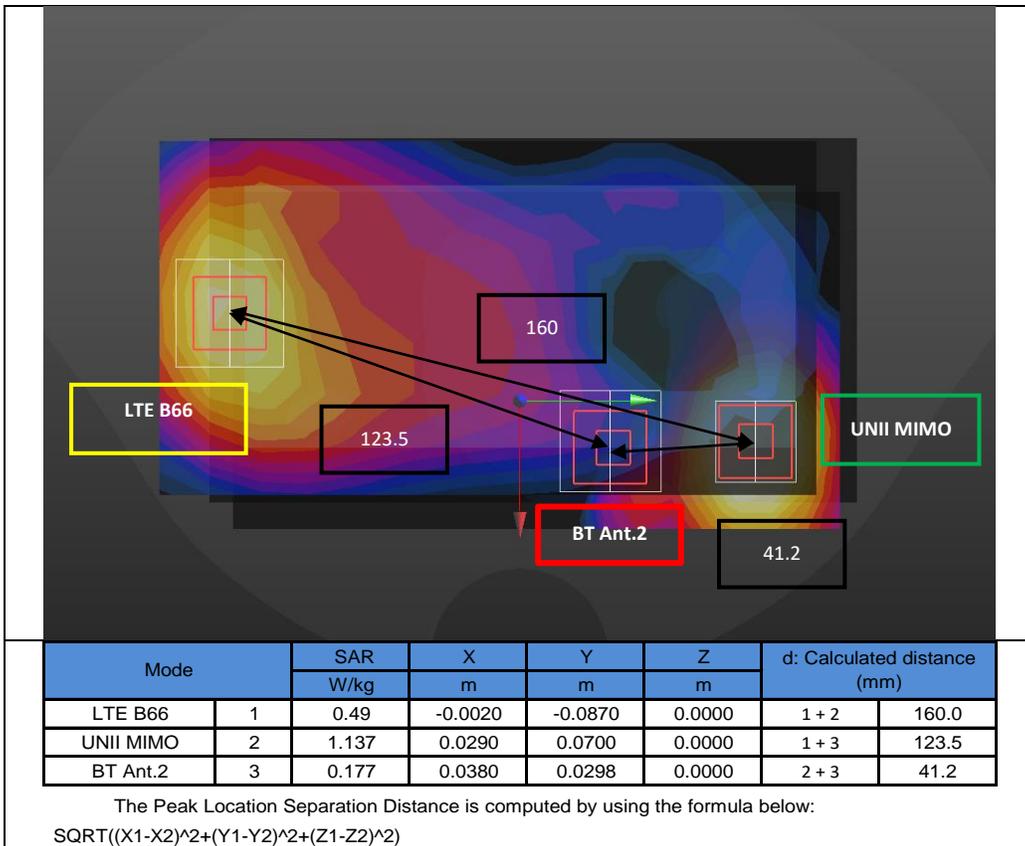


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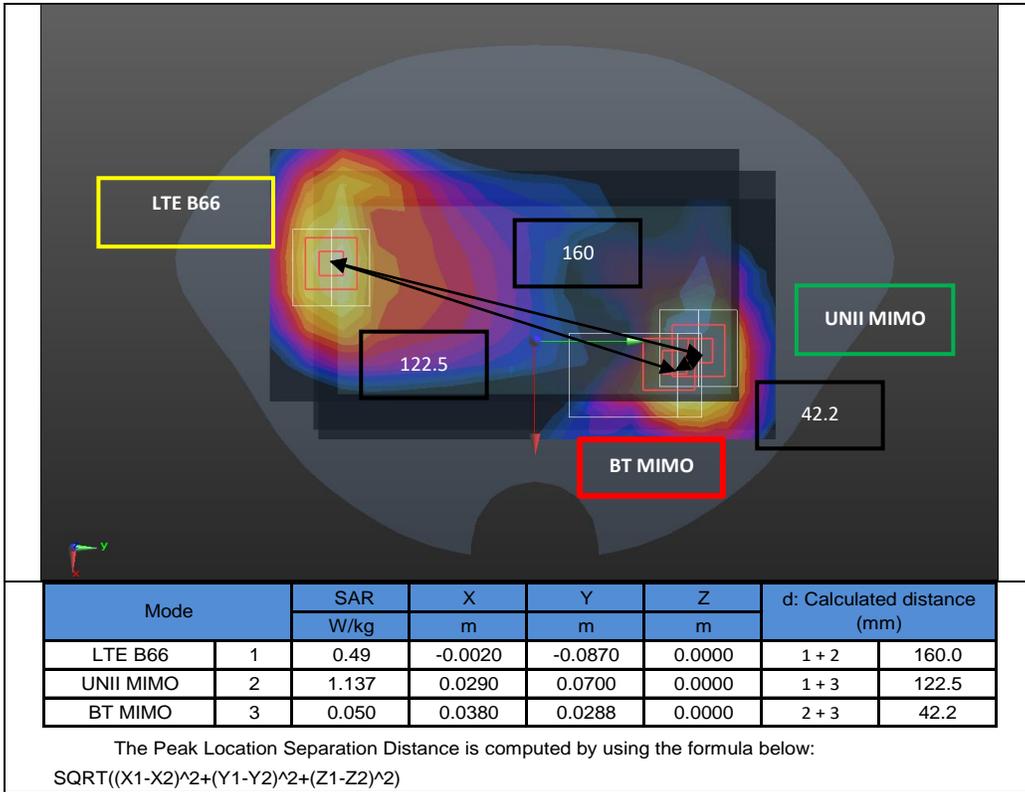


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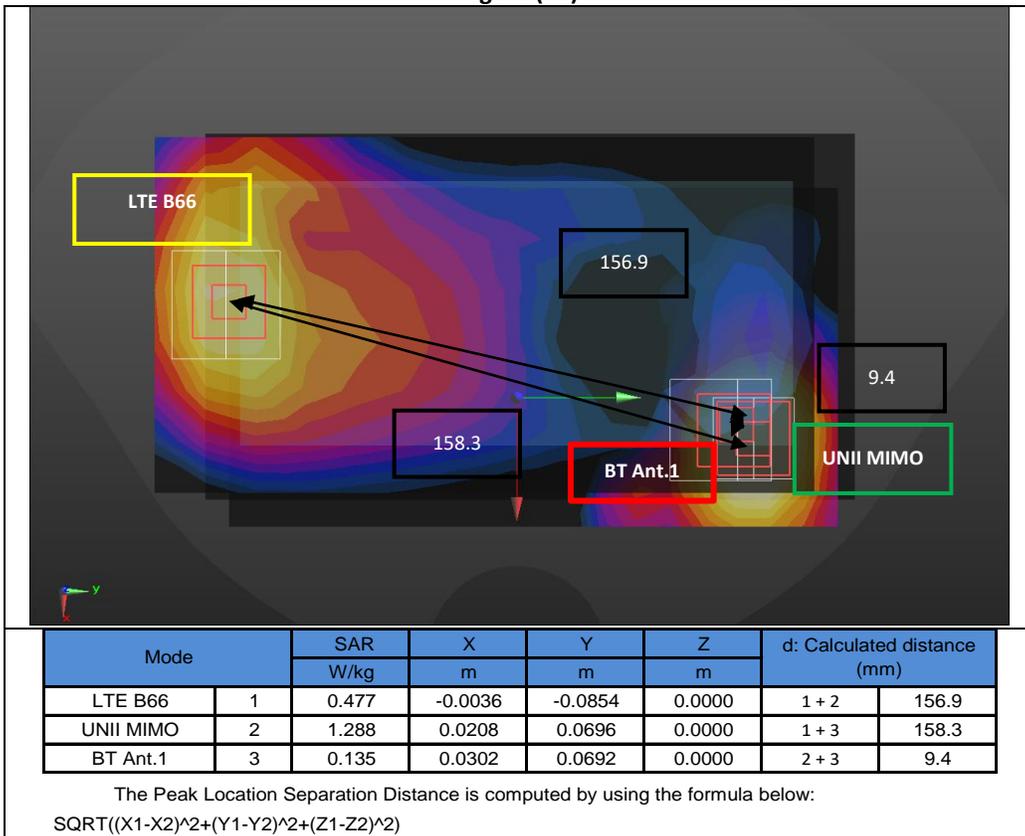


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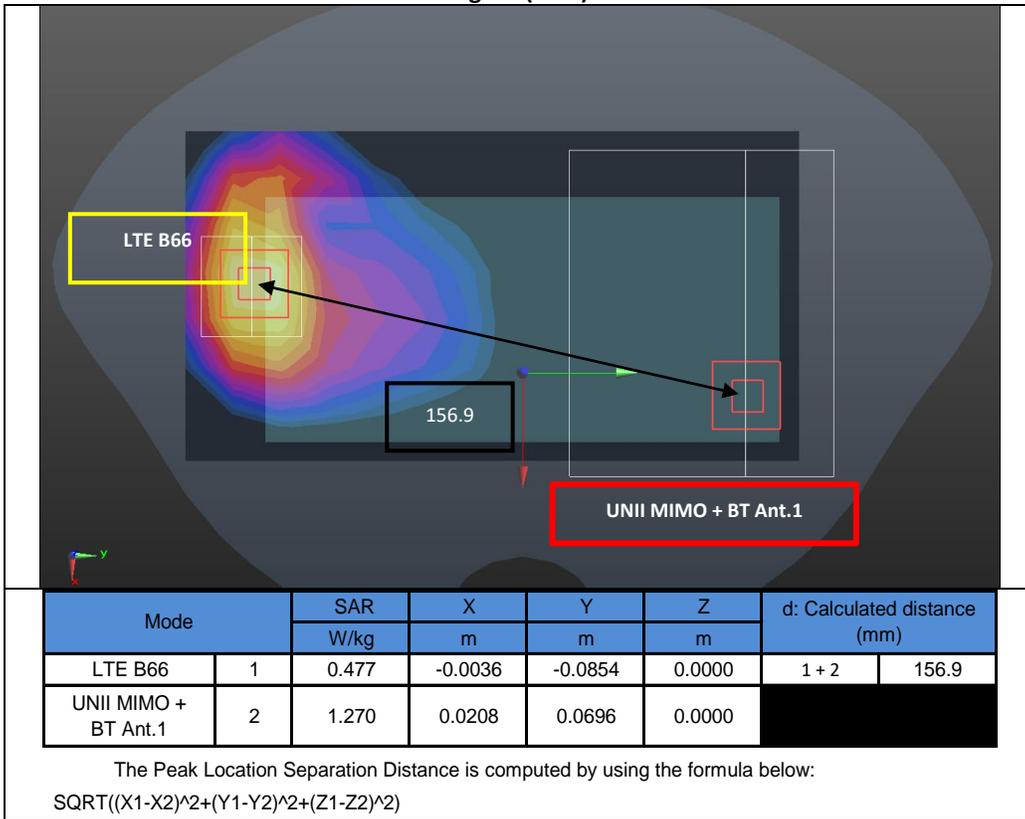


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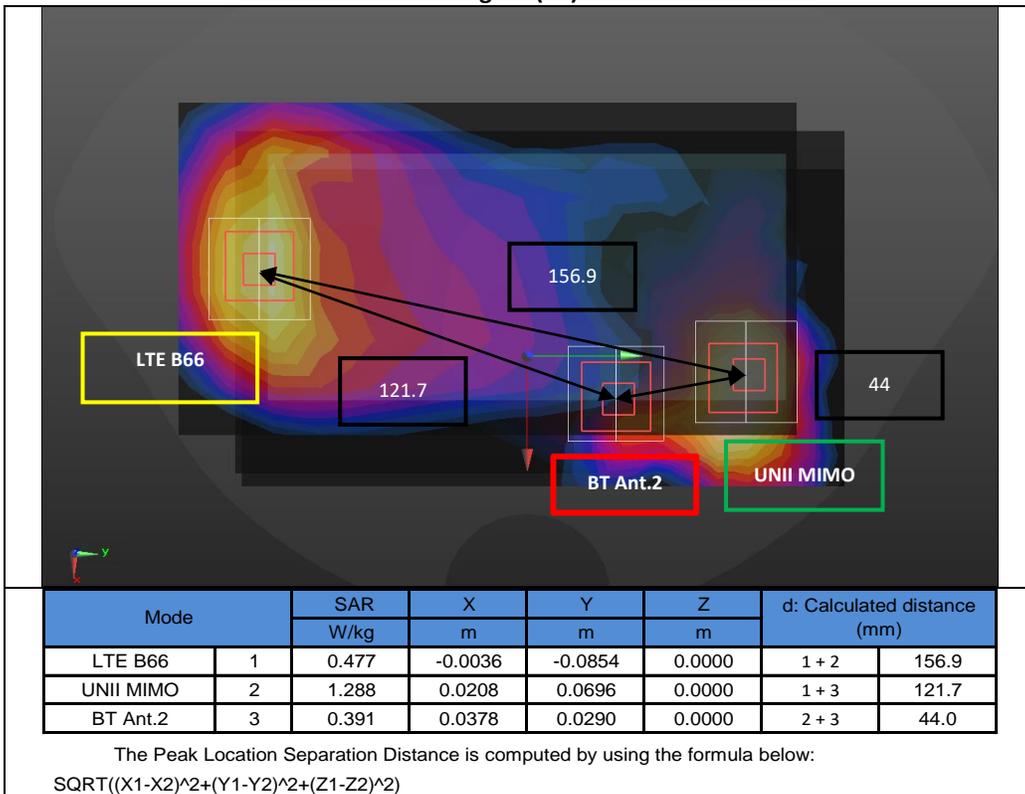


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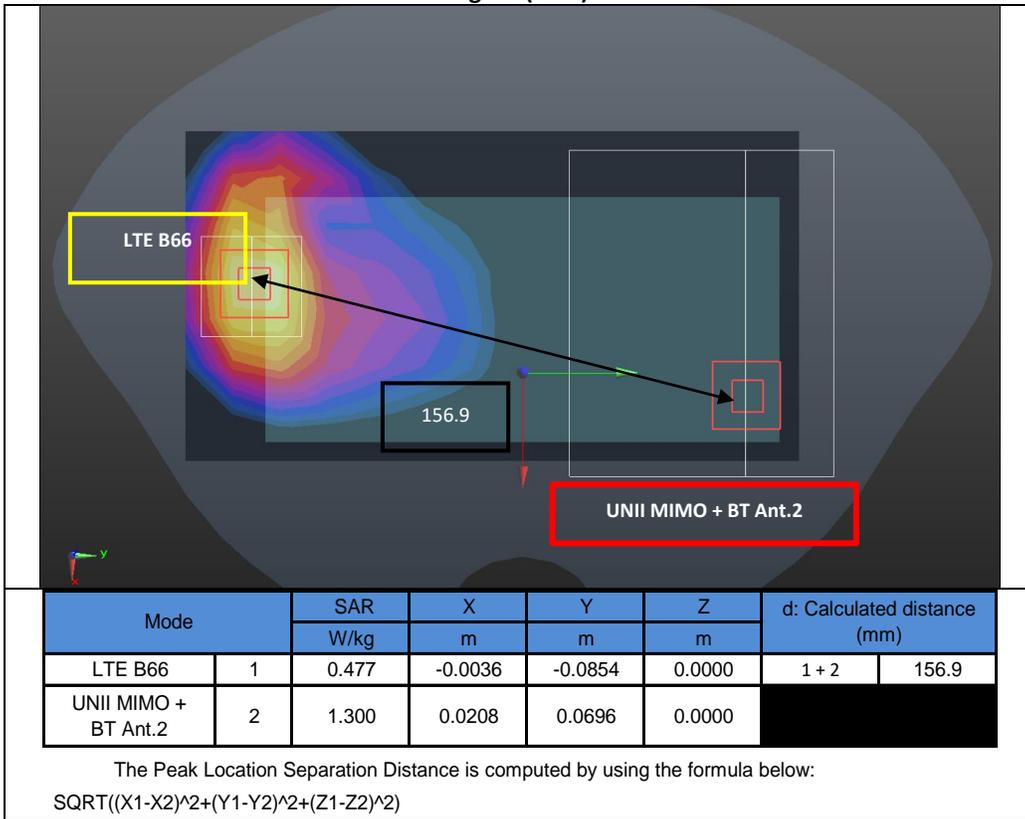


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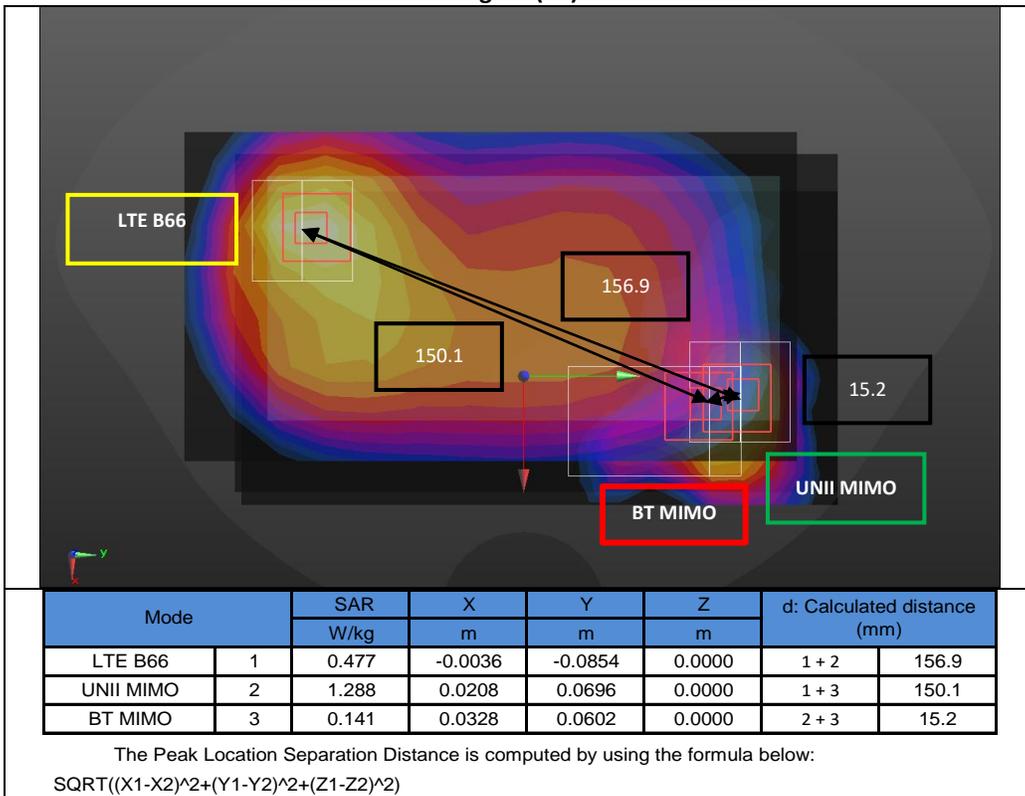


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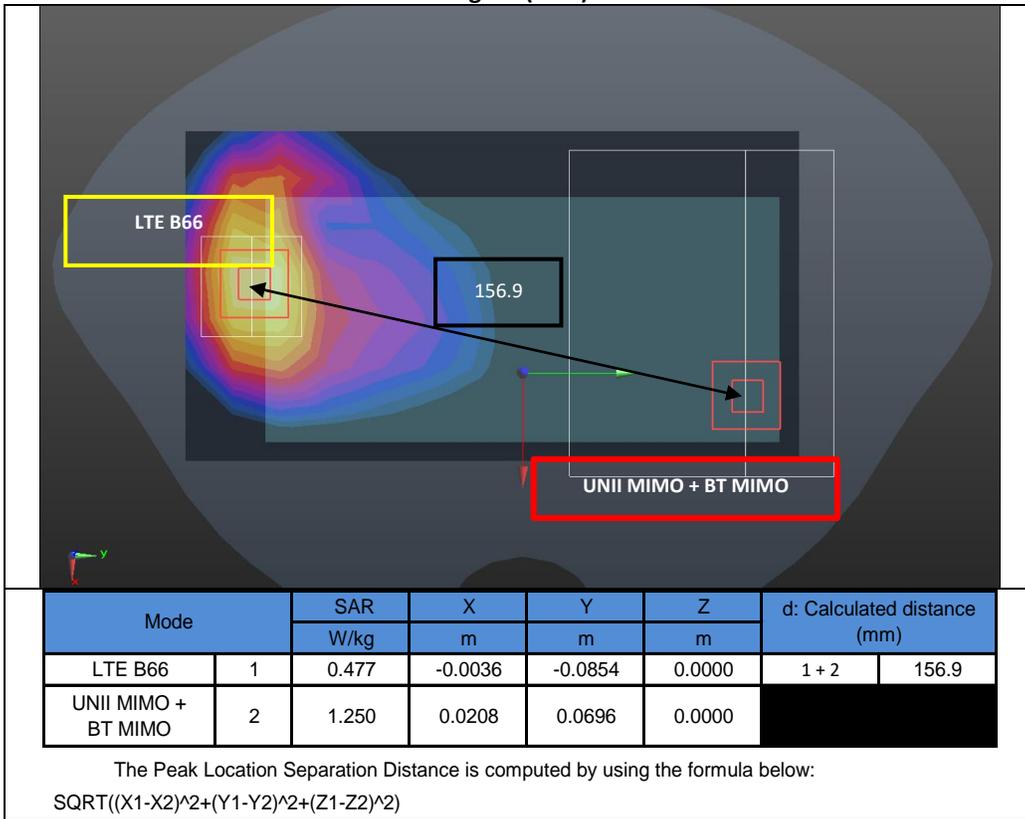


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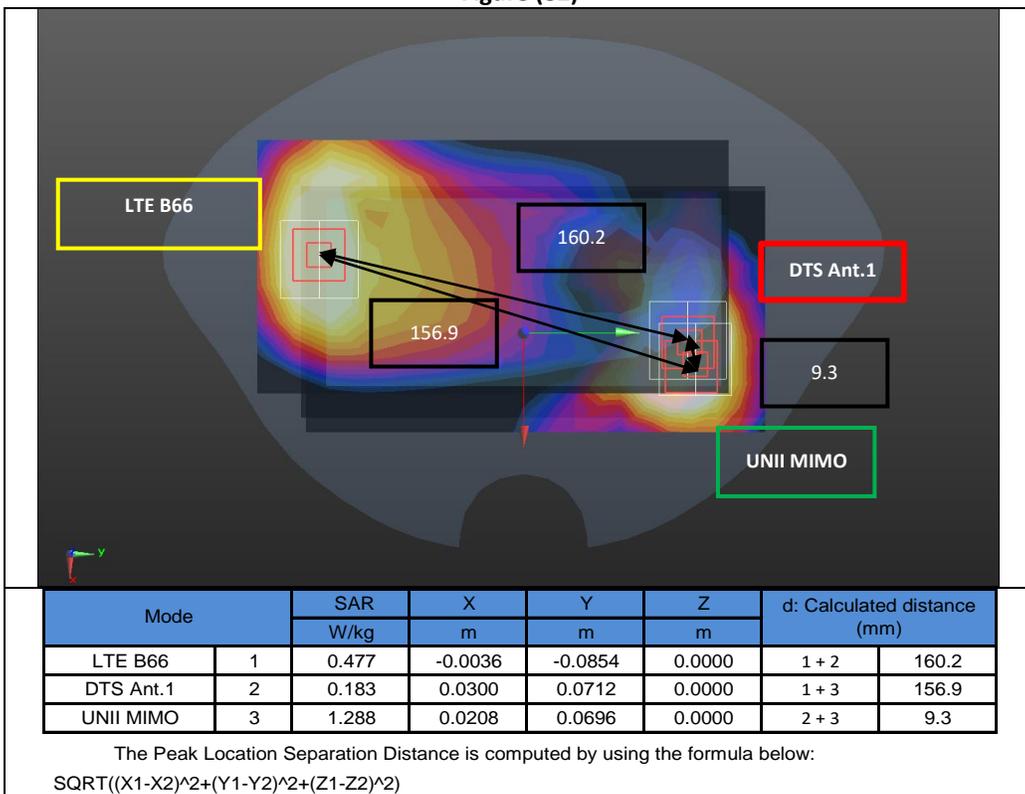


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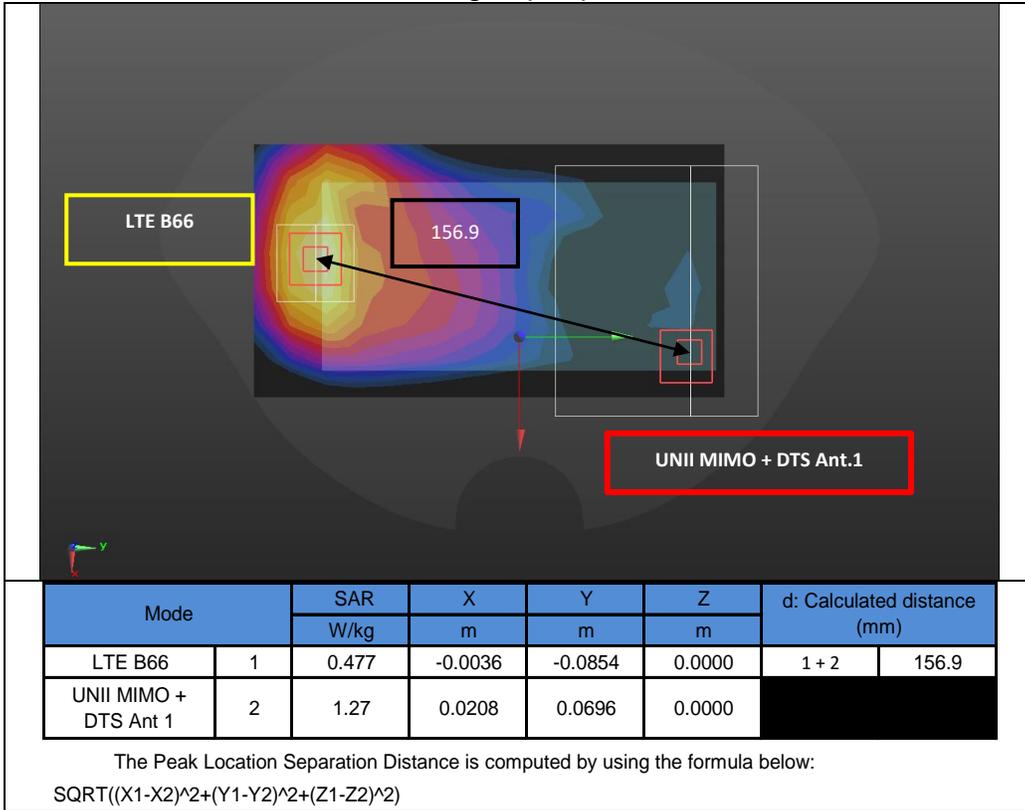


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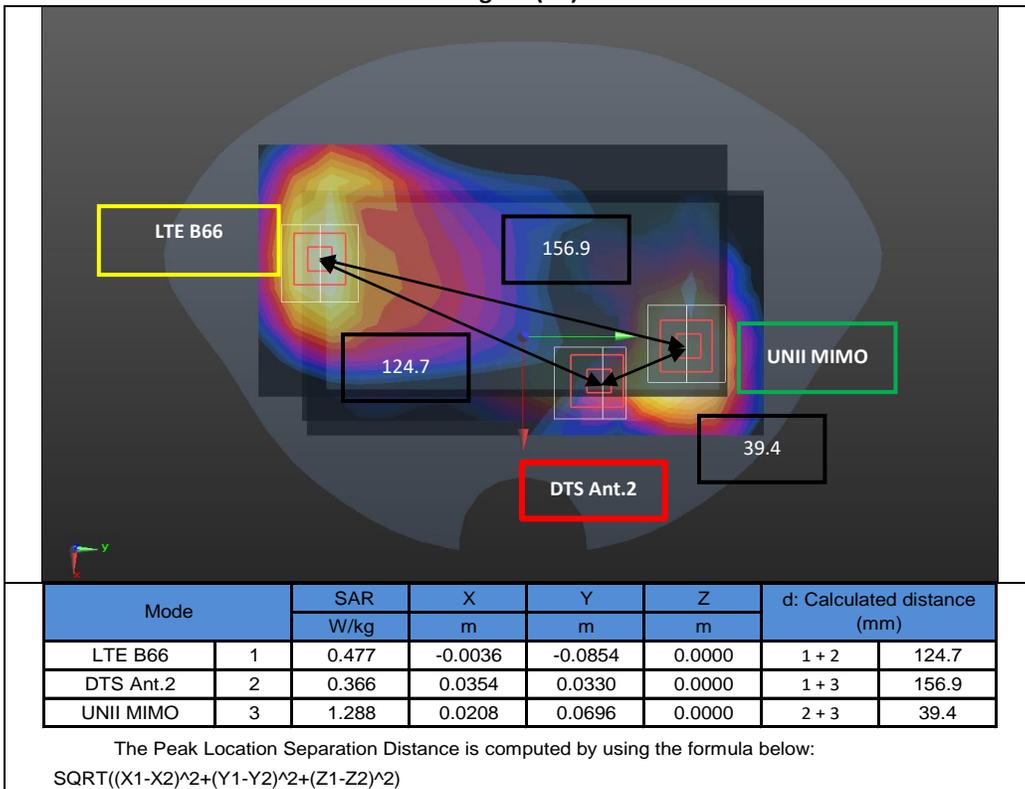


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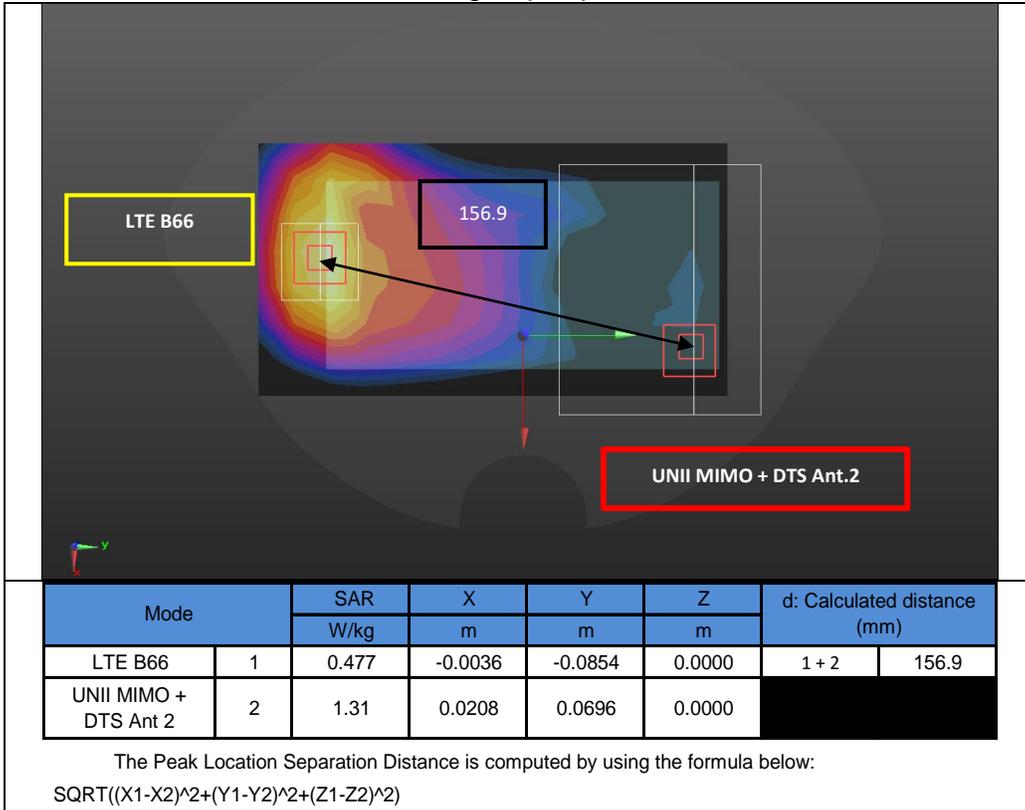


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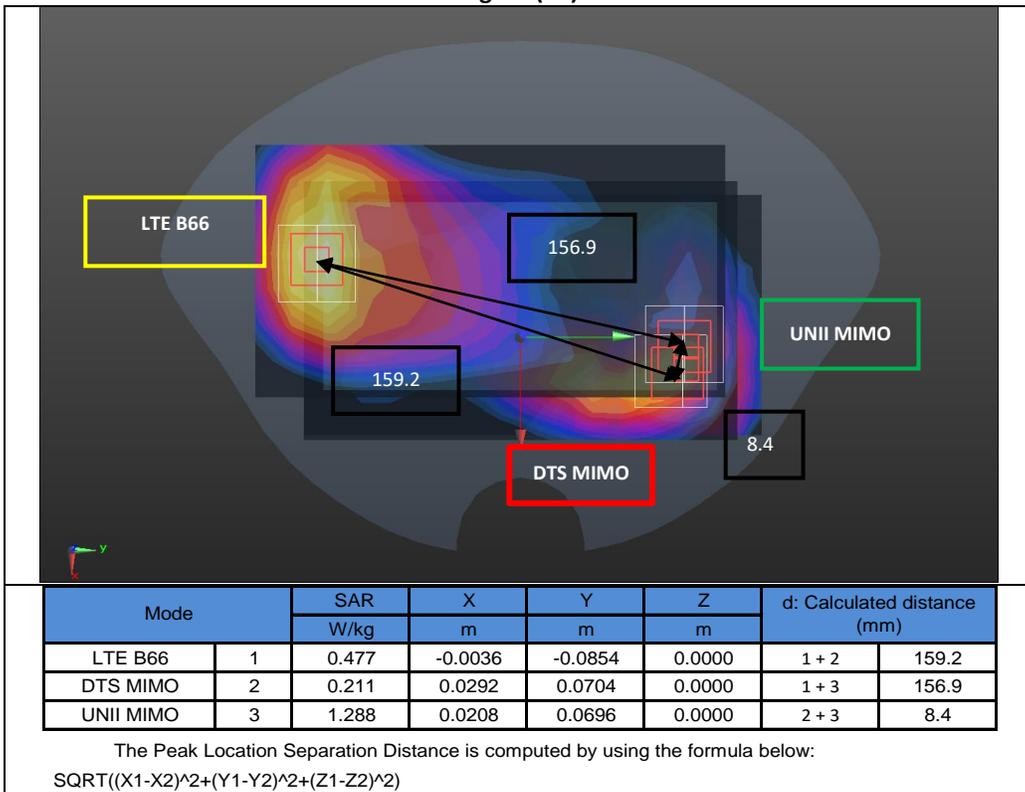


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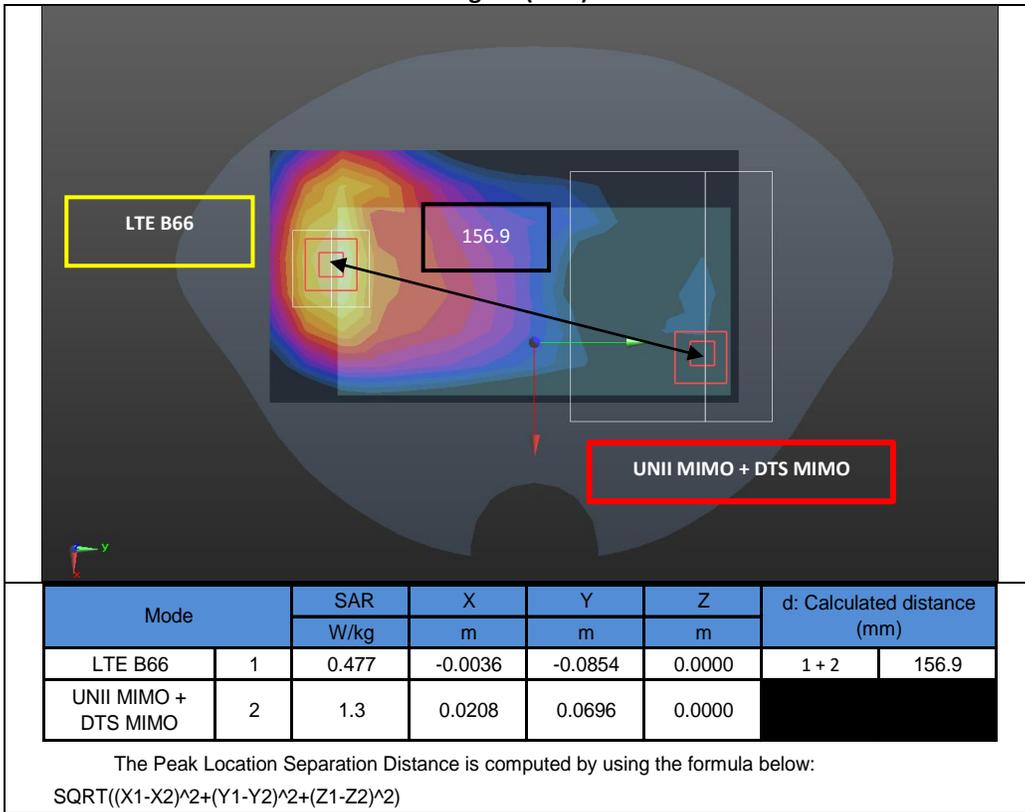


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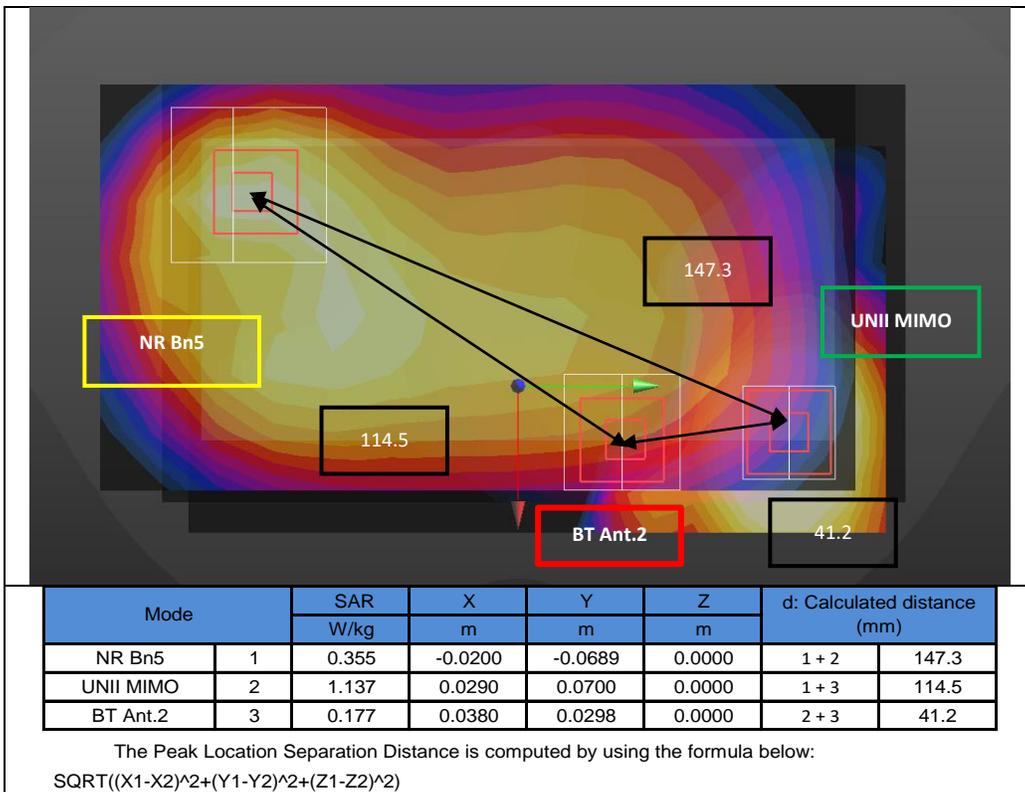


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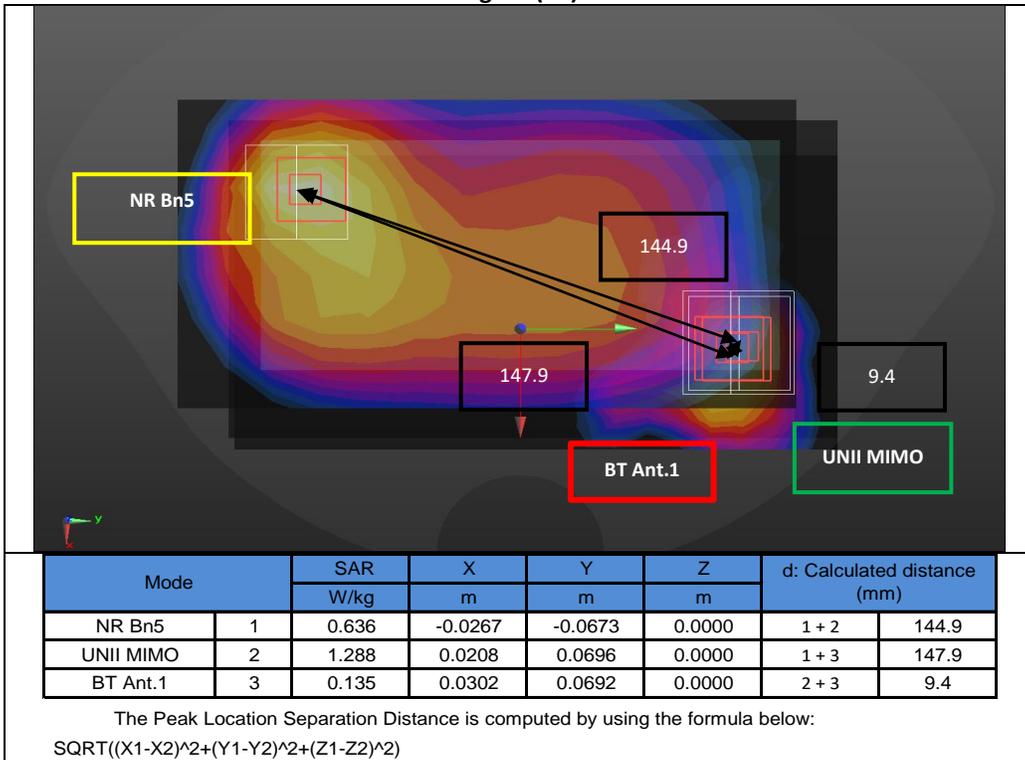


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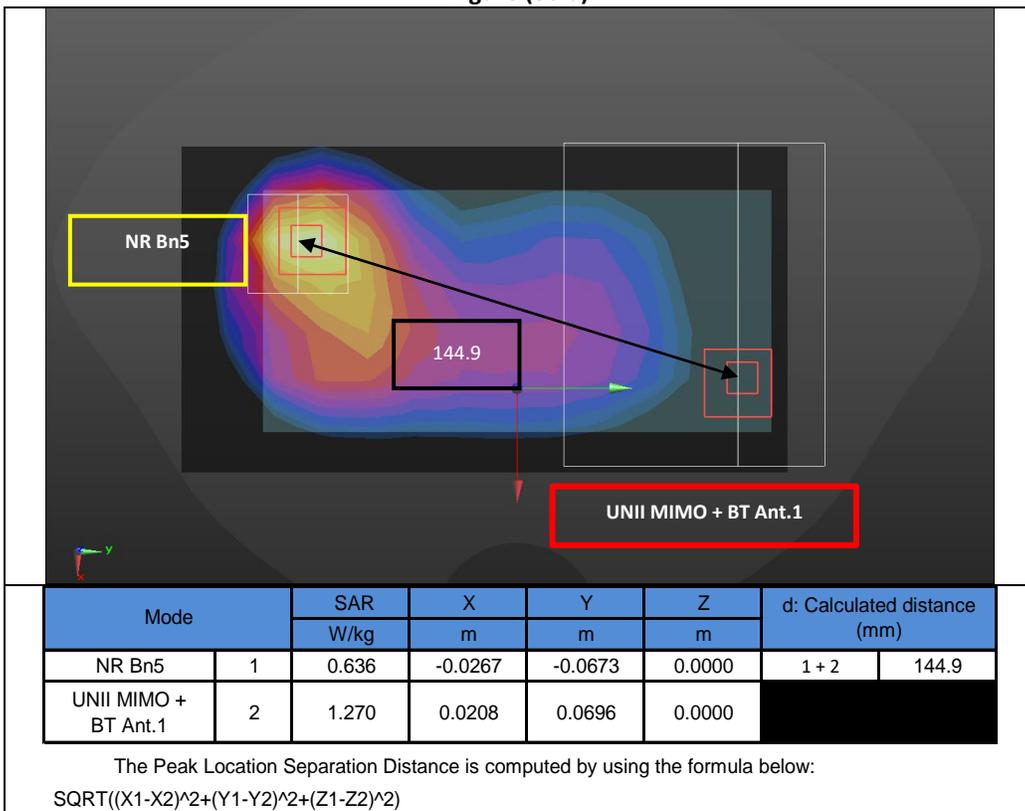


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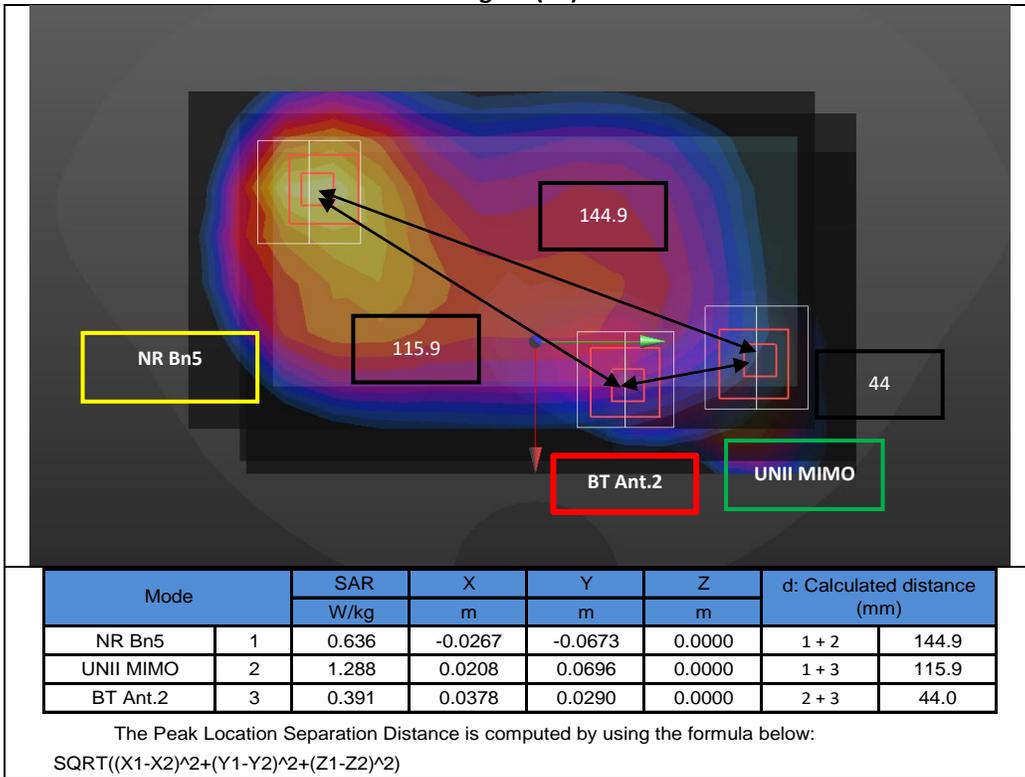


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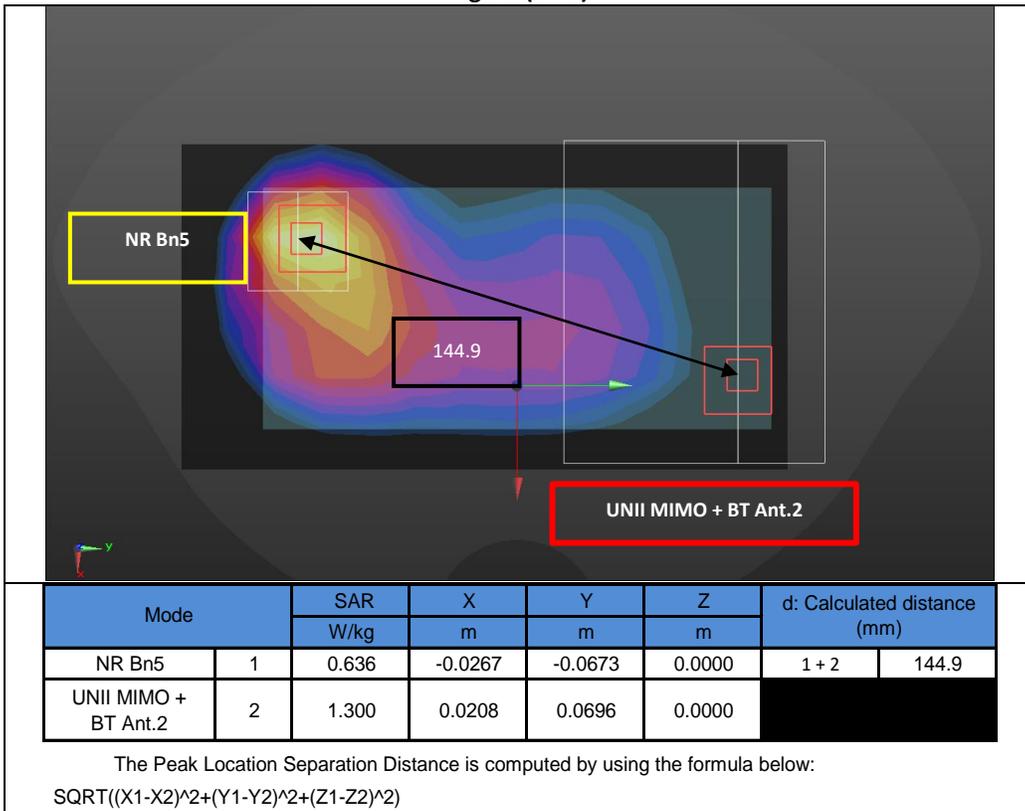


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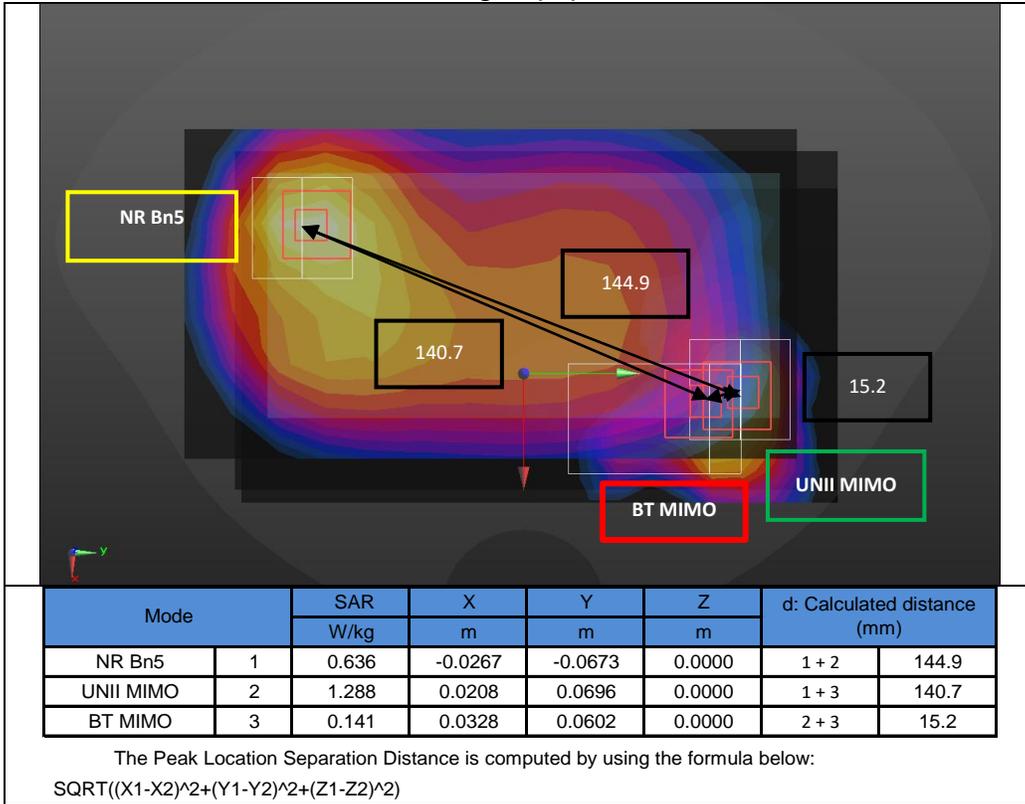


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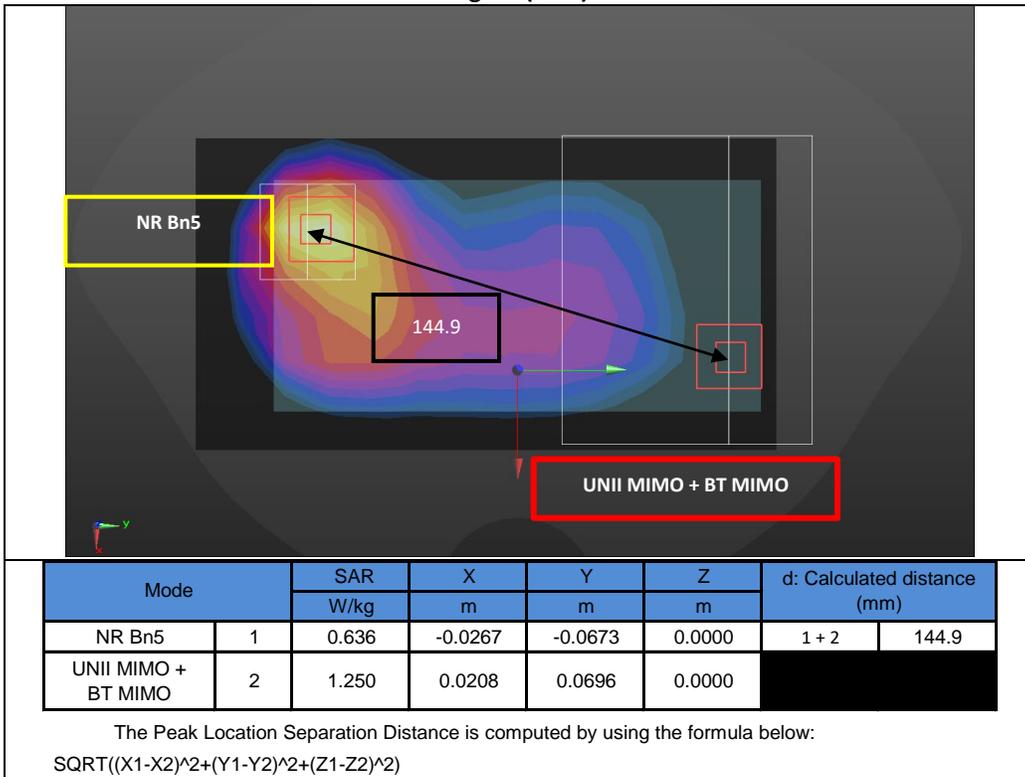


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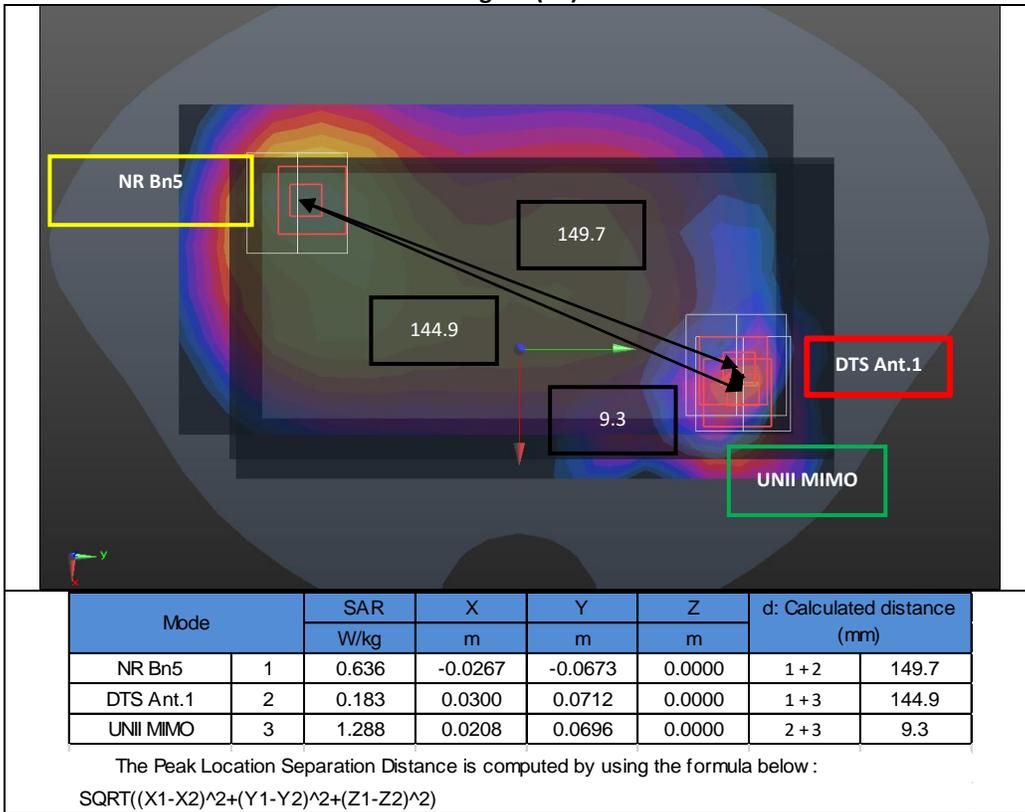


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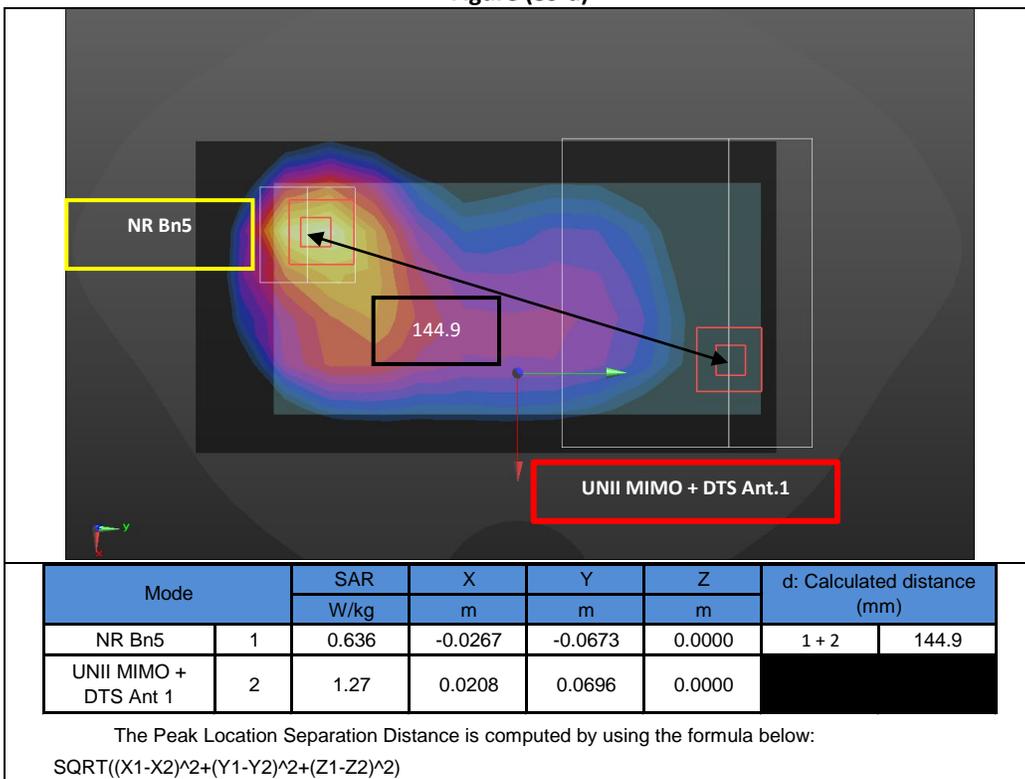


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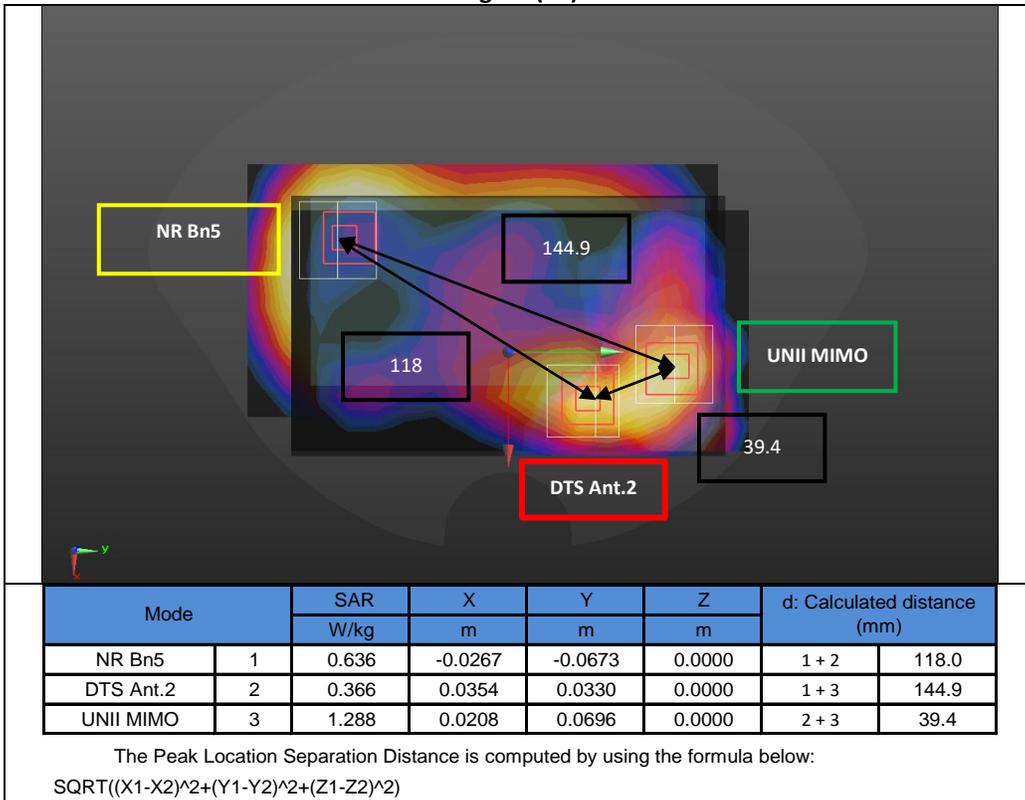


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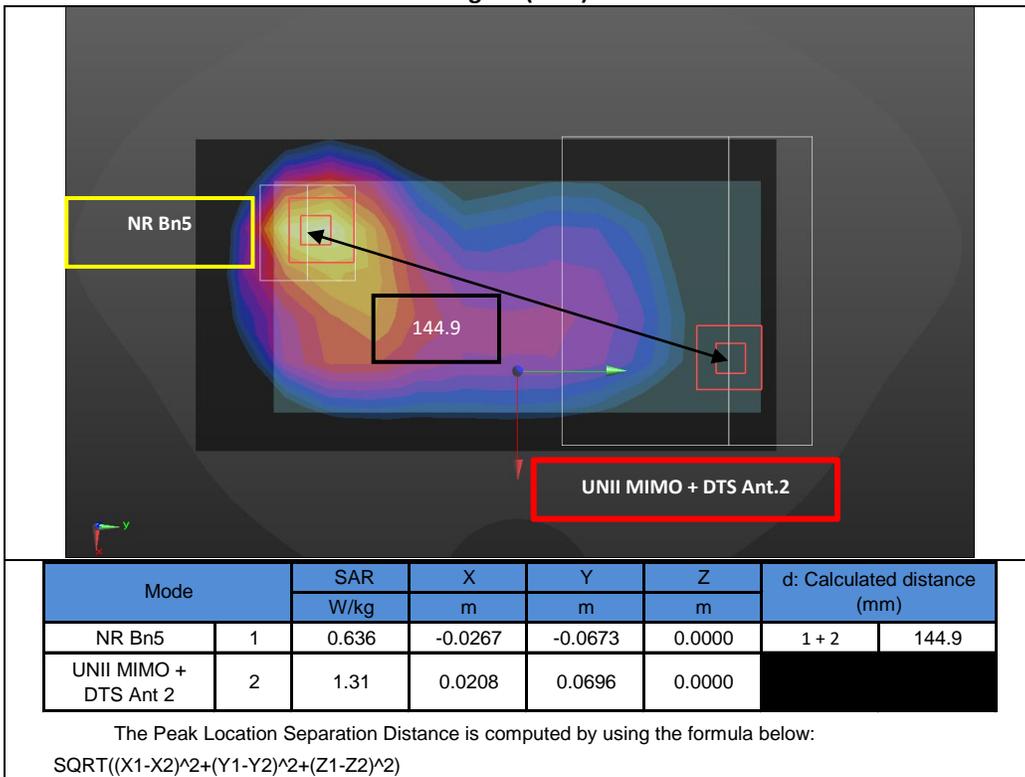


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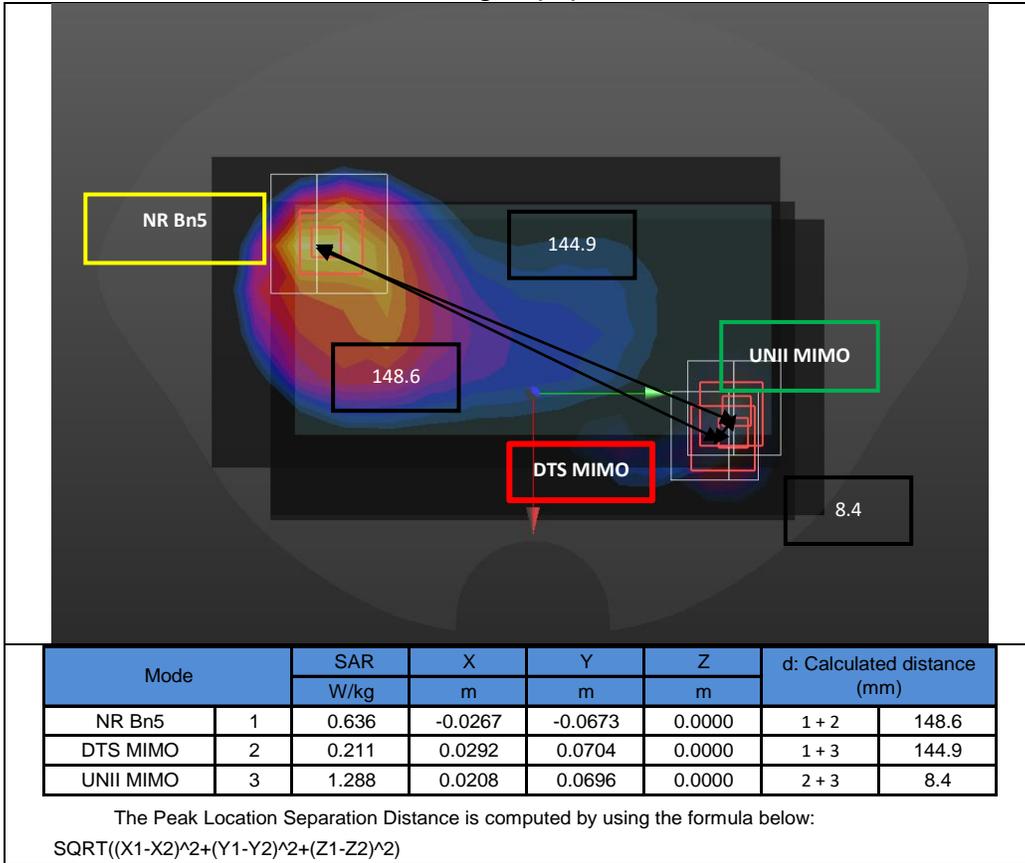


Figure (91-a)

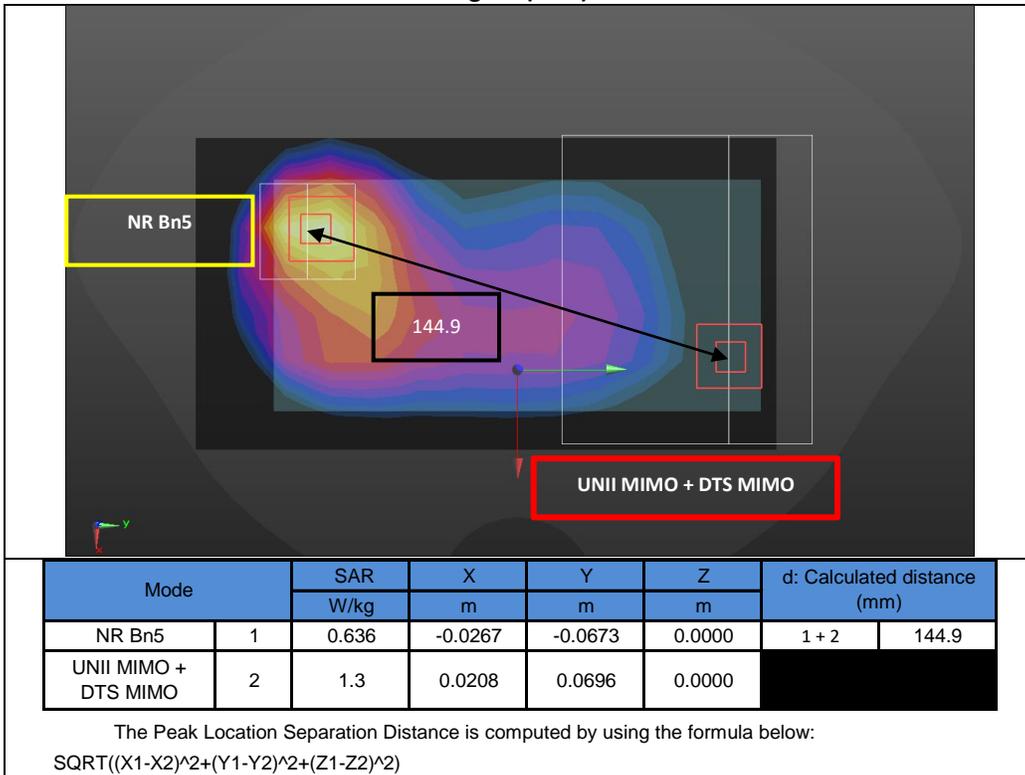


Figure (92)

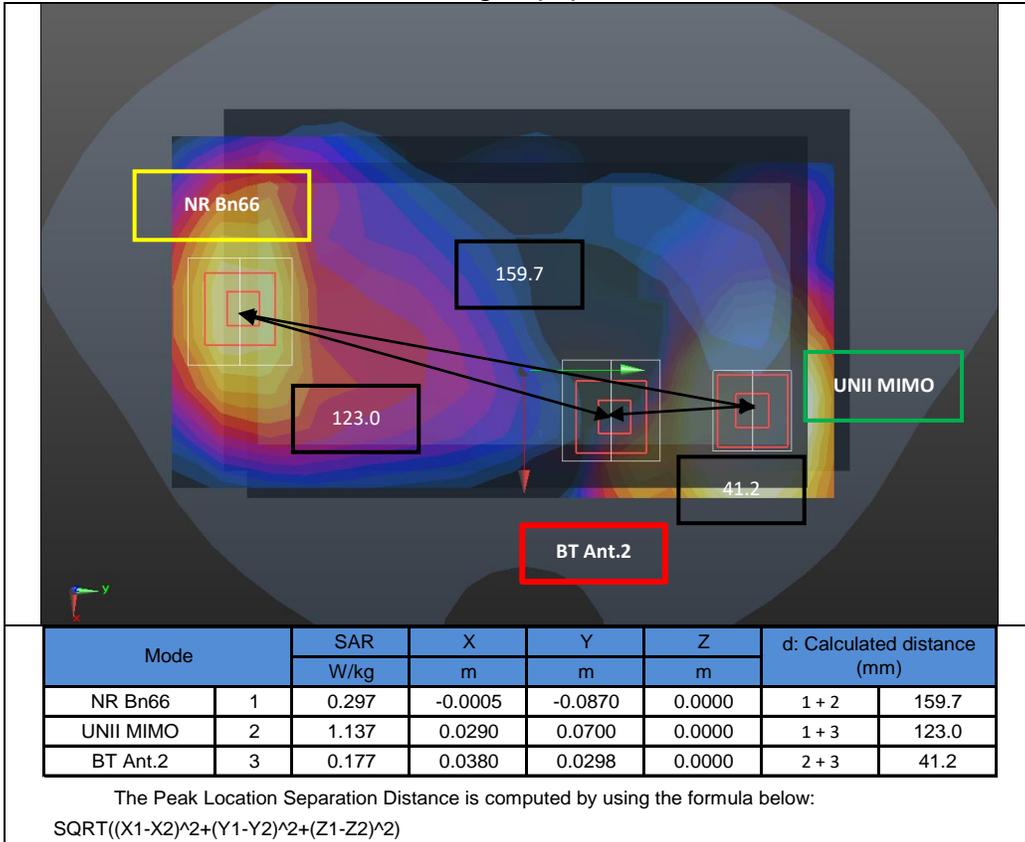


Figure (93)

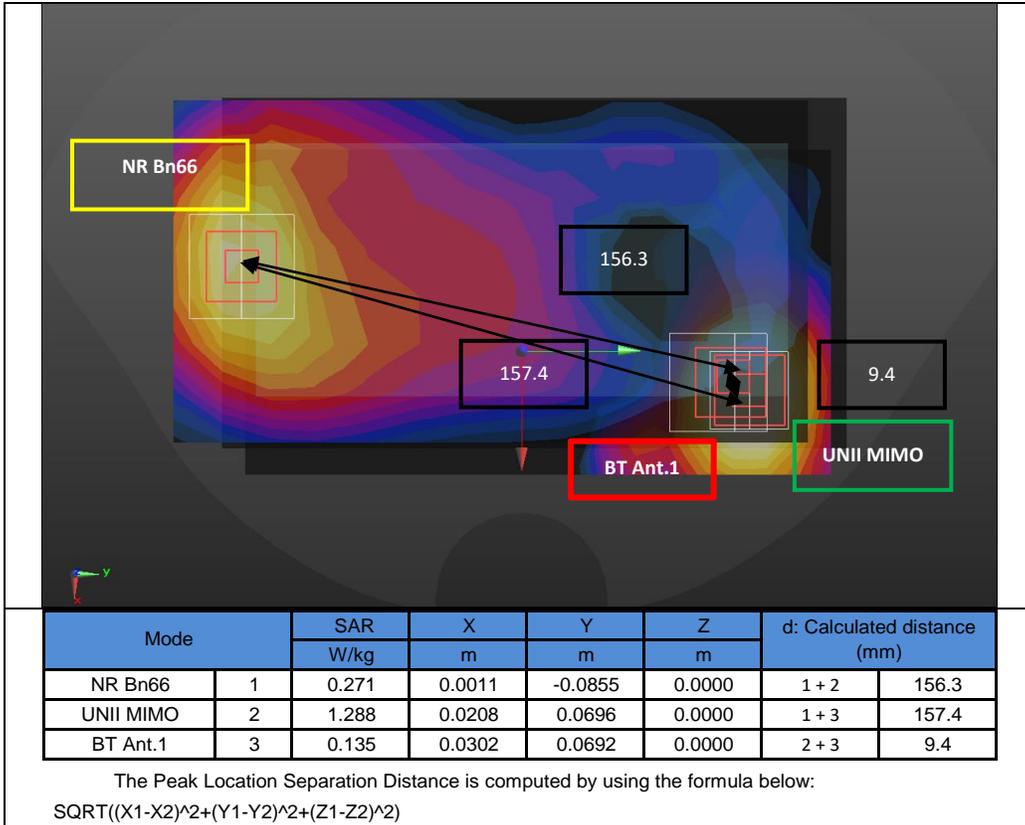


Figure (93-a)

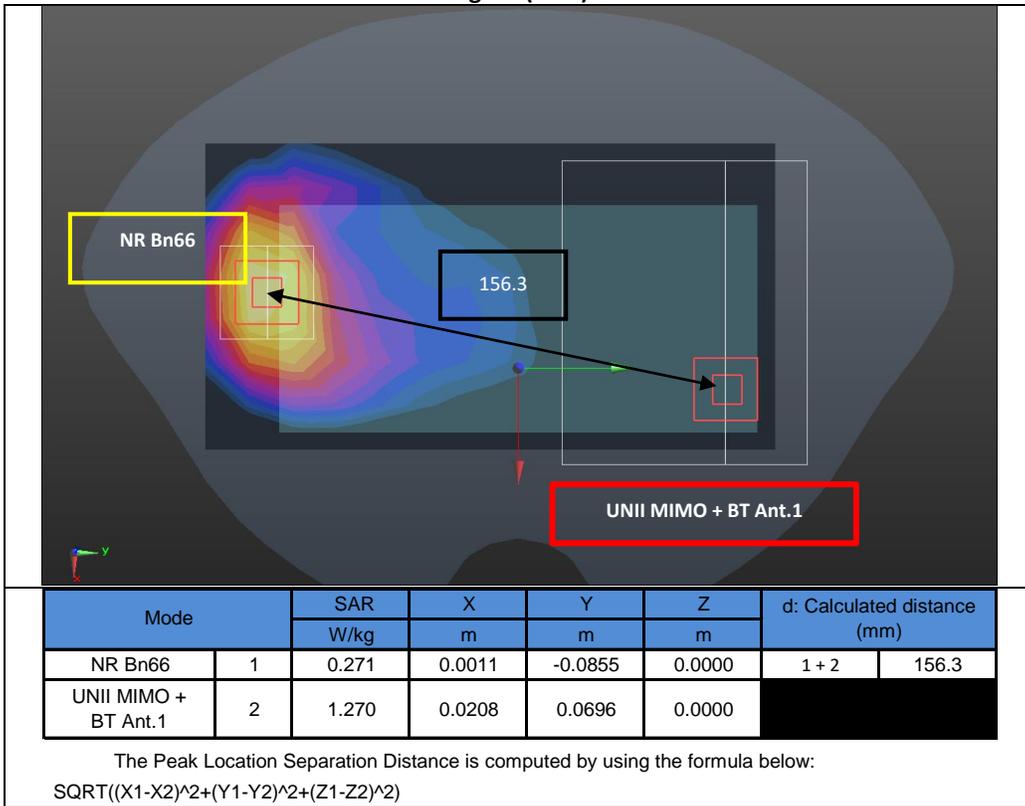


Figure (94)

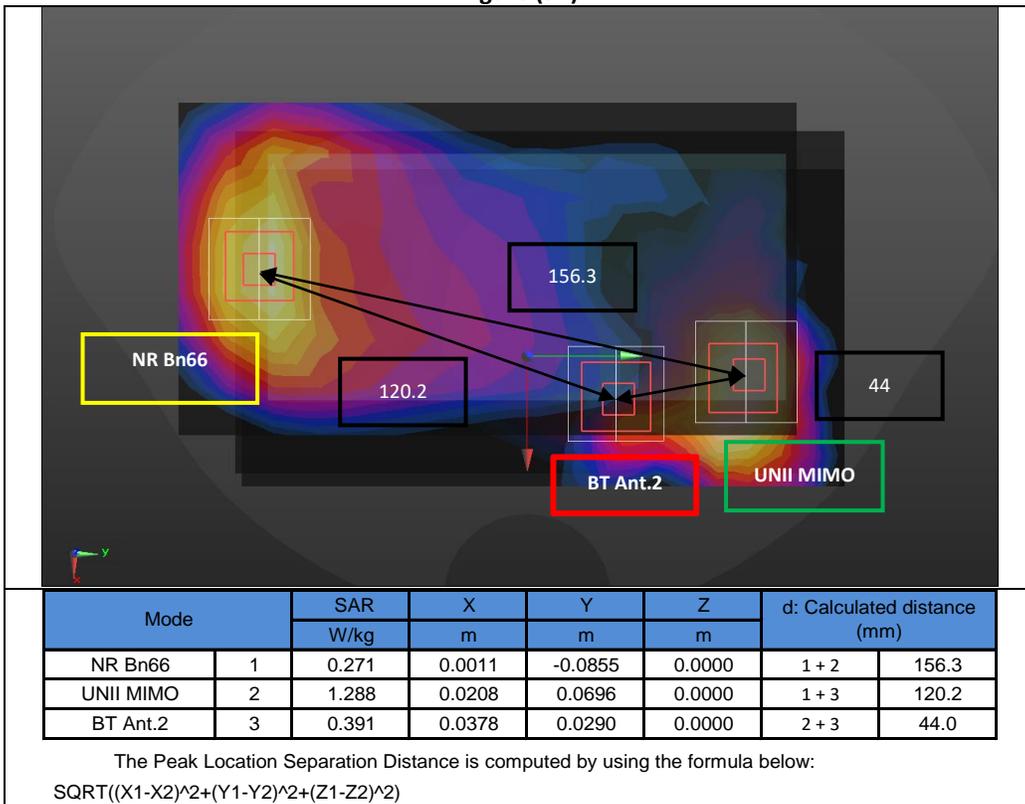


Figure (94-a)

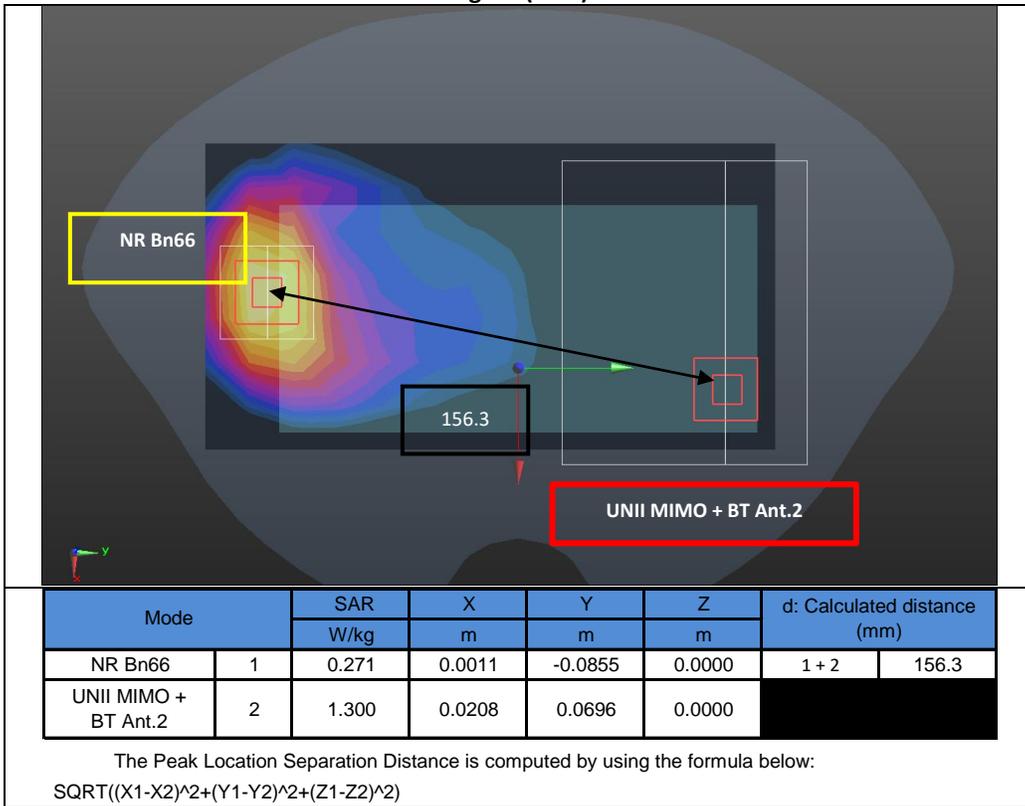


Figure (95)

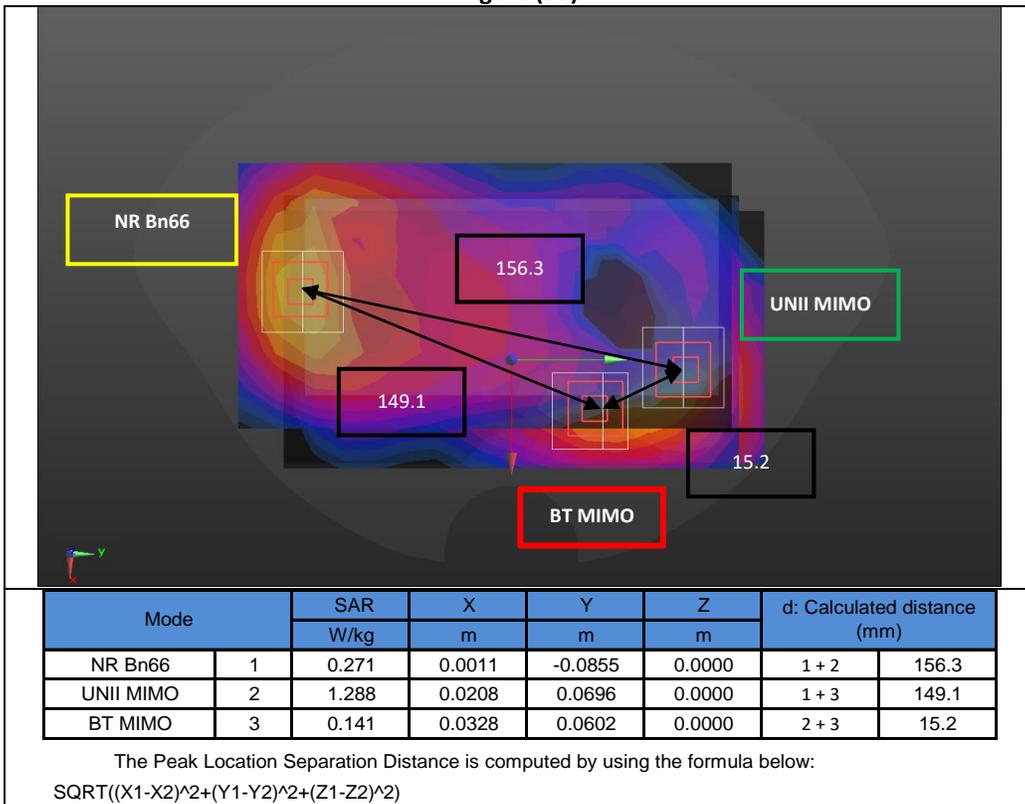


Figure (95-a)

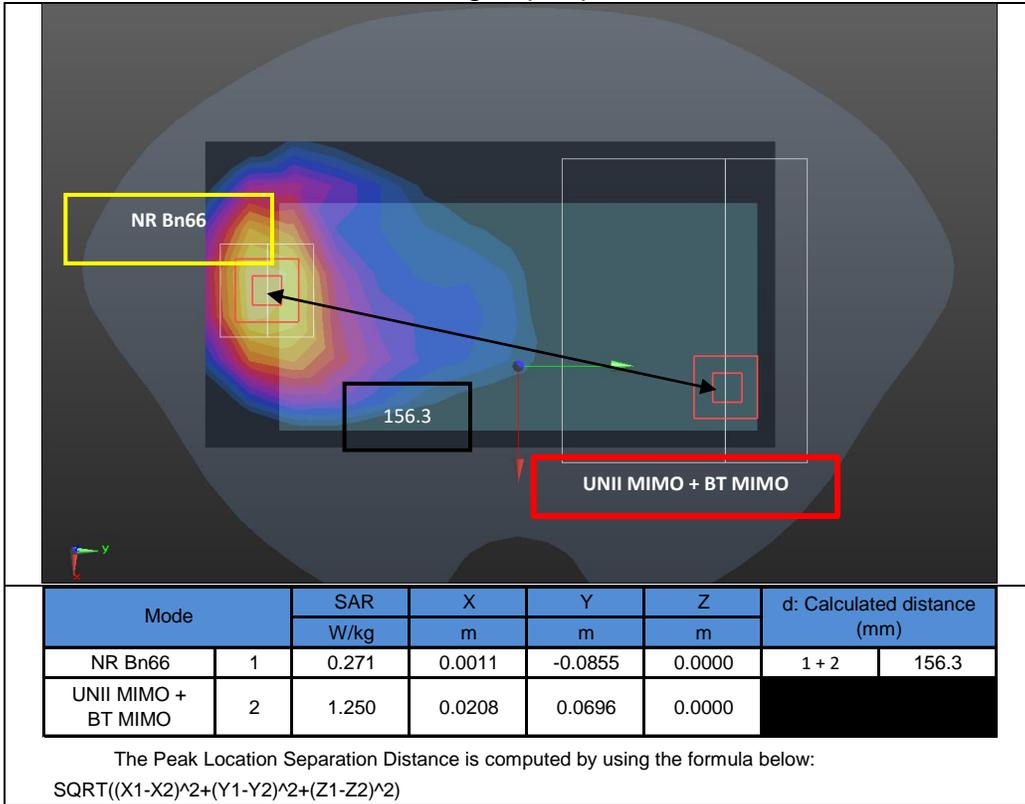


Figure (96)

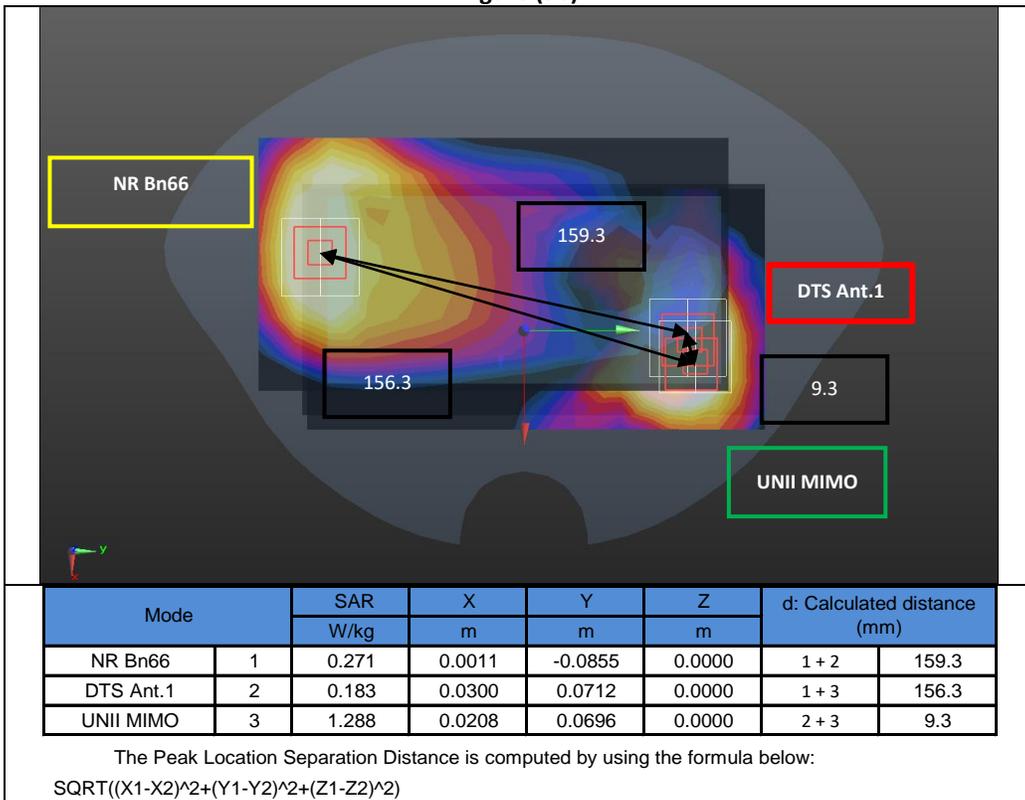


Figure (96-a)

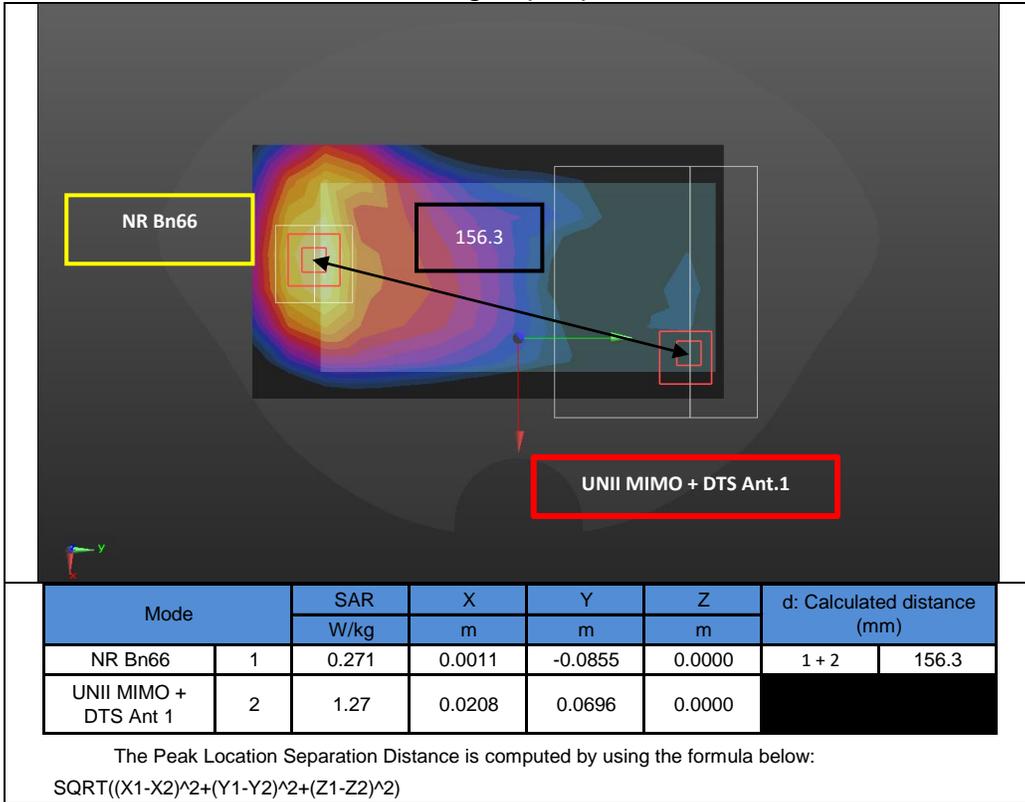


Figure (97)

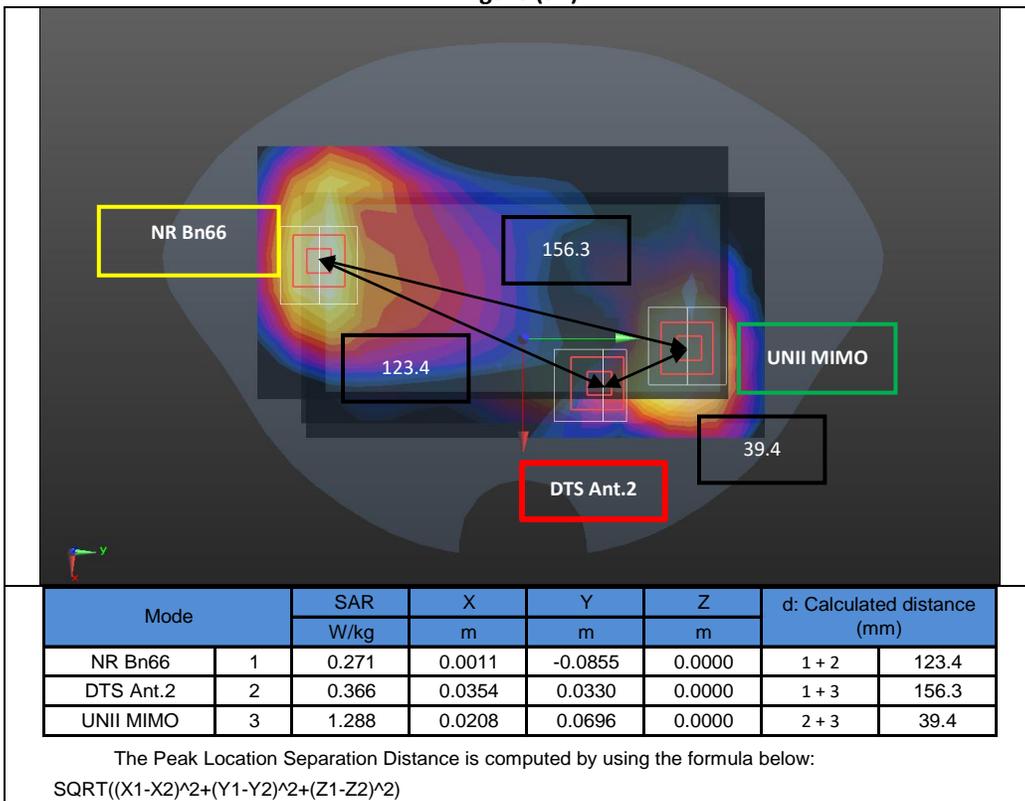


Figure (97-a)

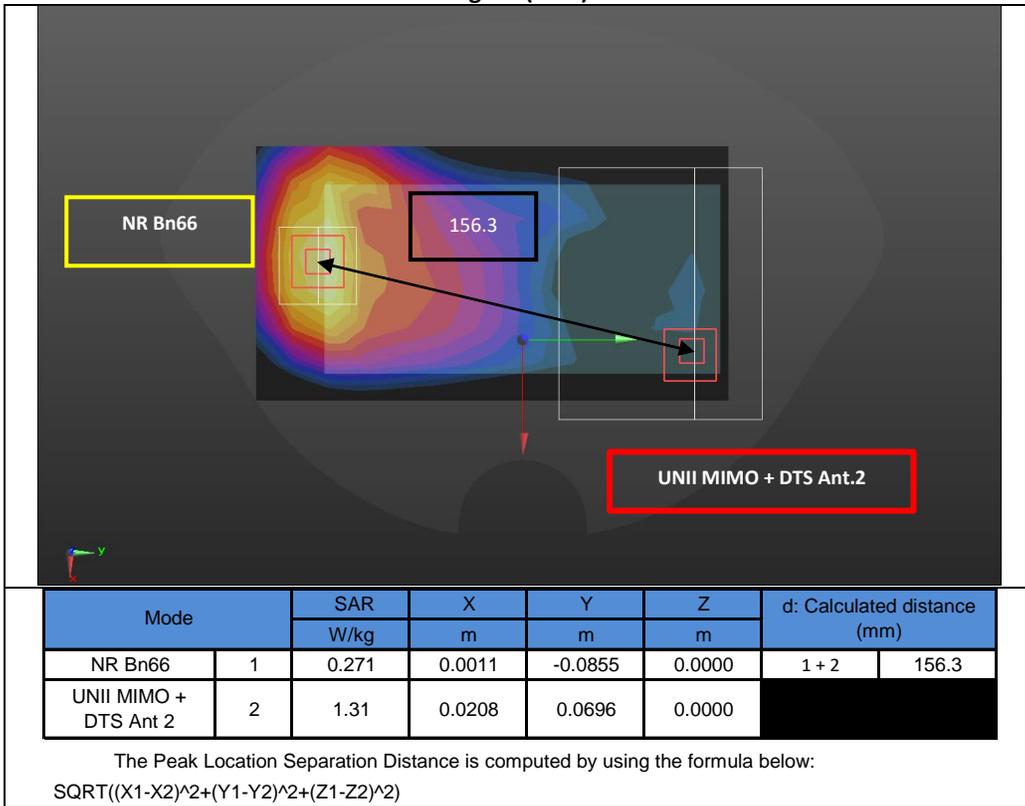


Figure (98)

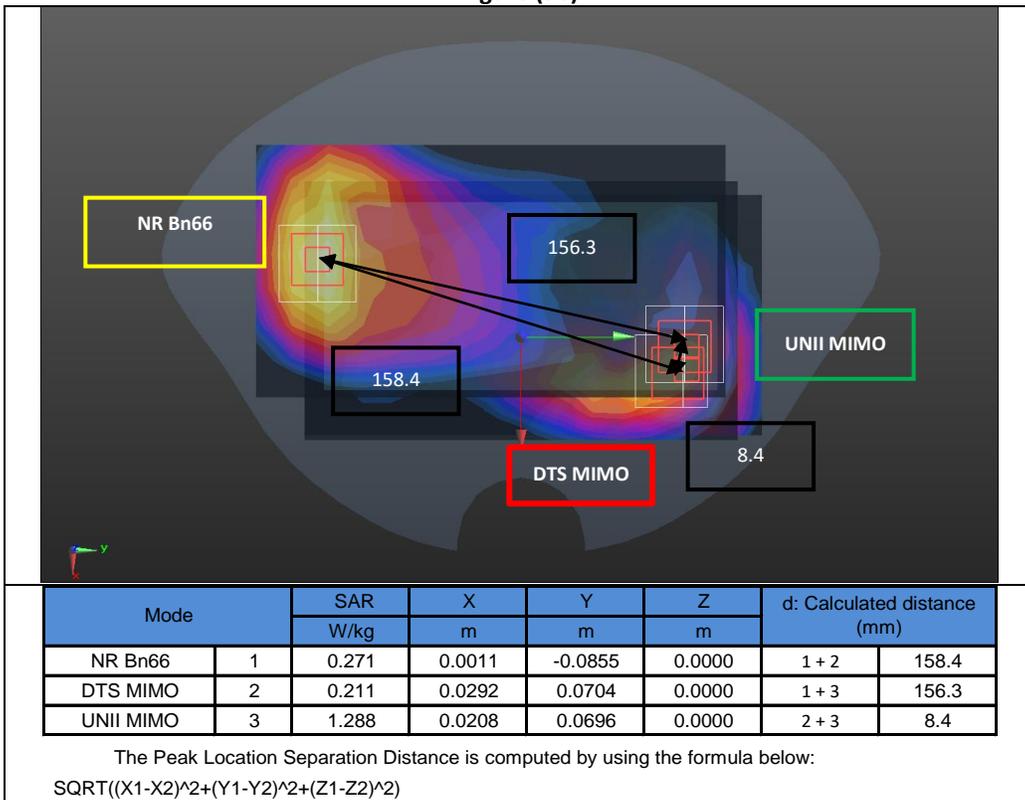


Figure (98-a)

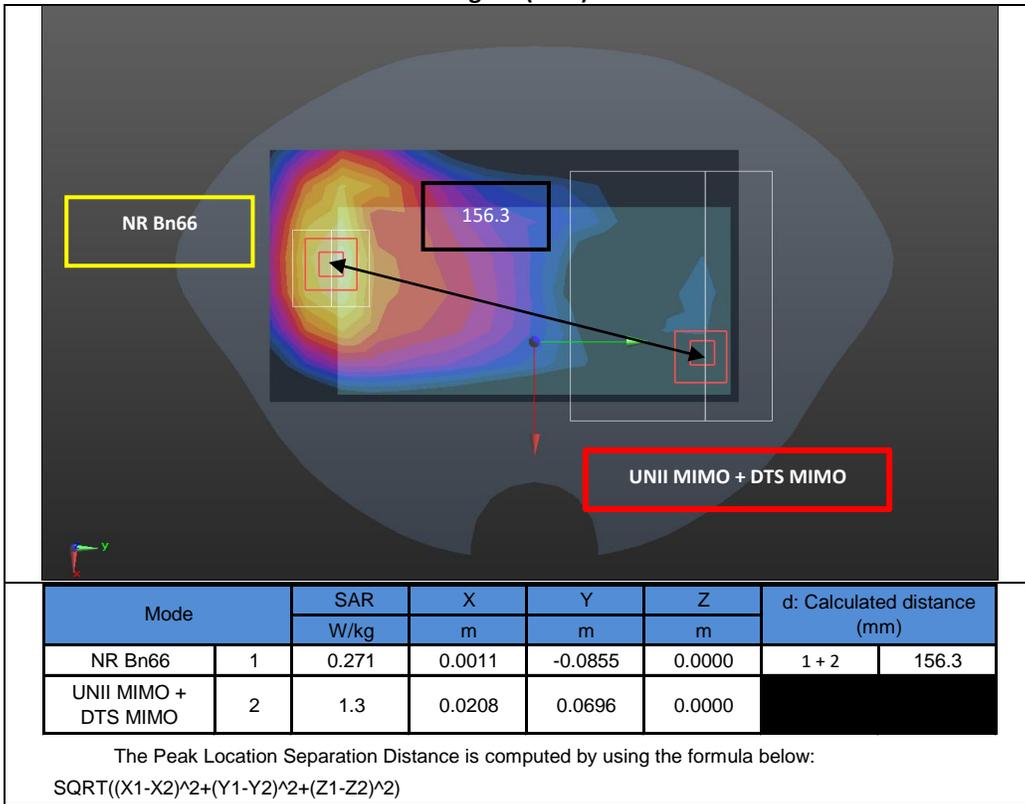


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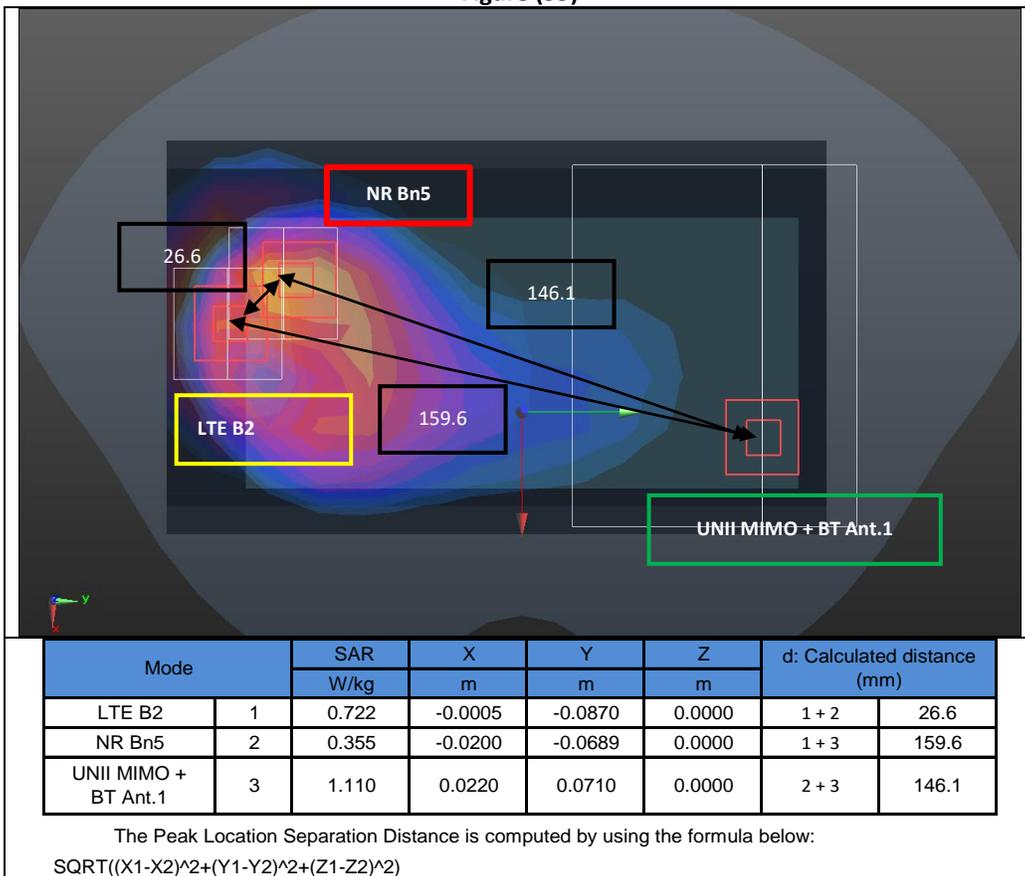


Figure (100)

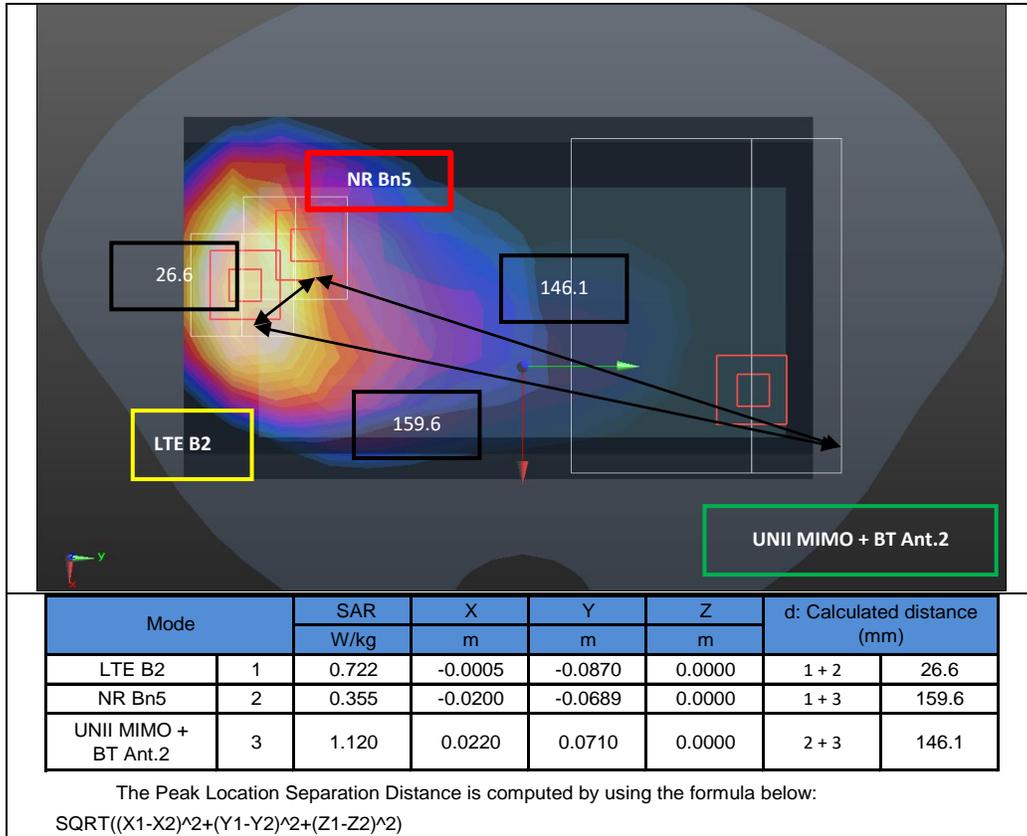


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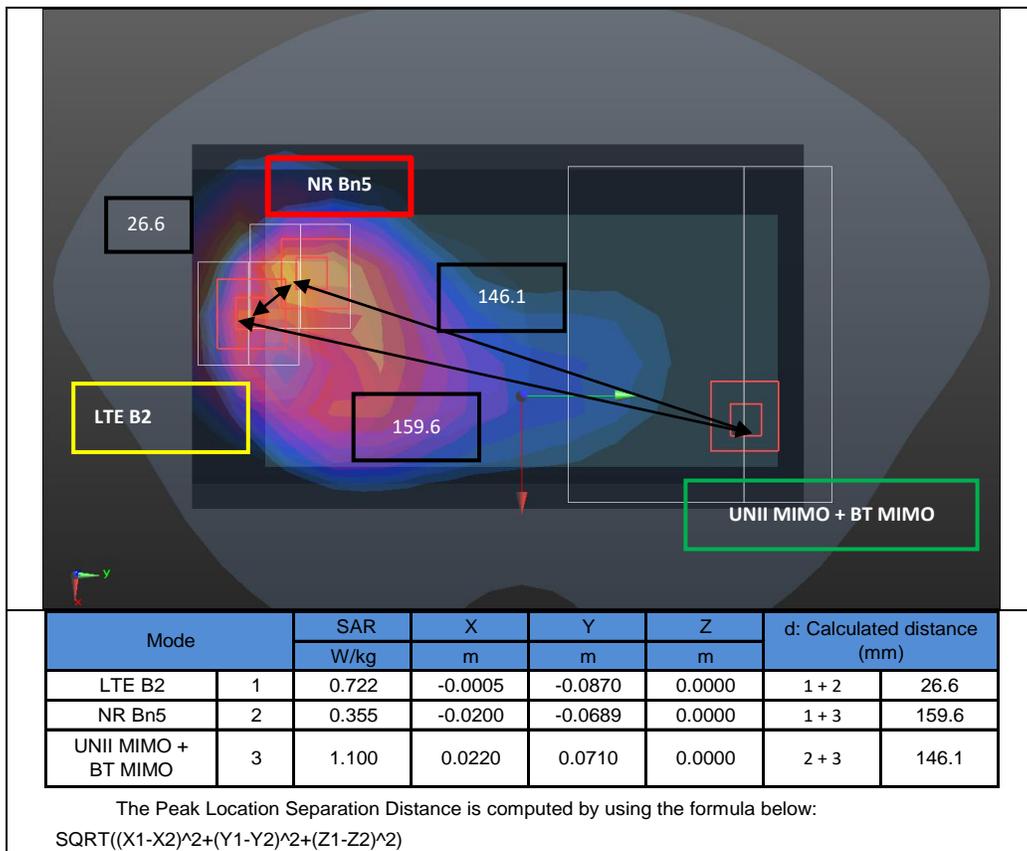


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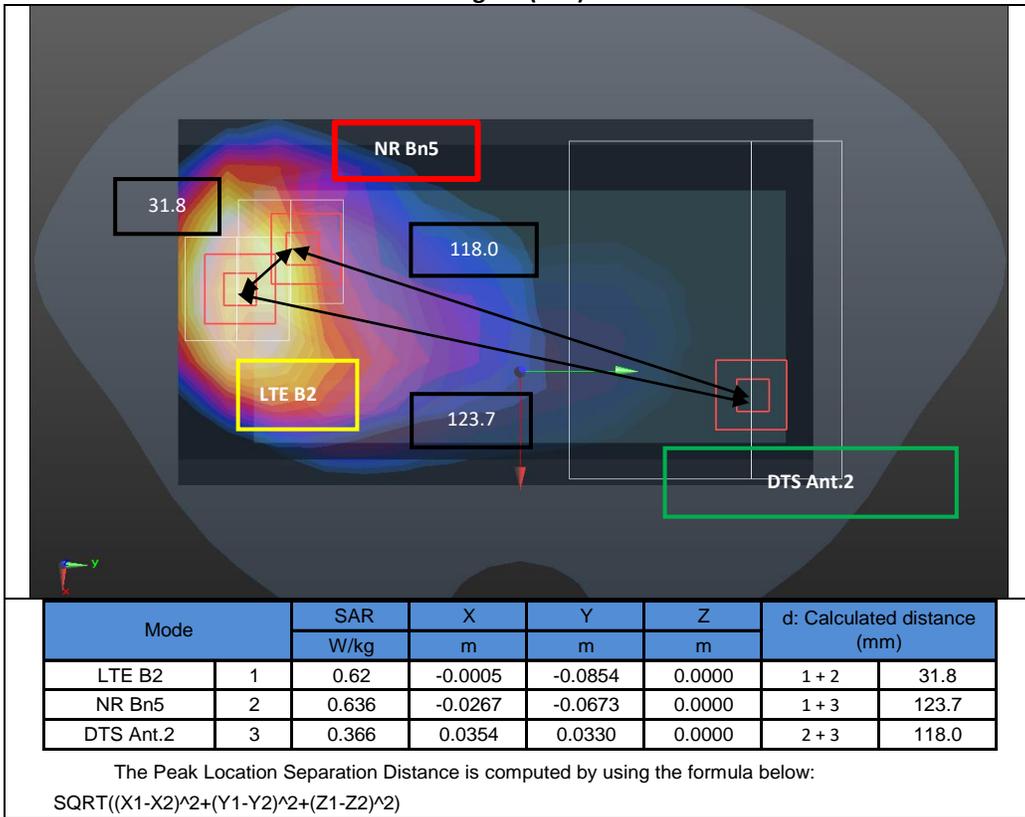


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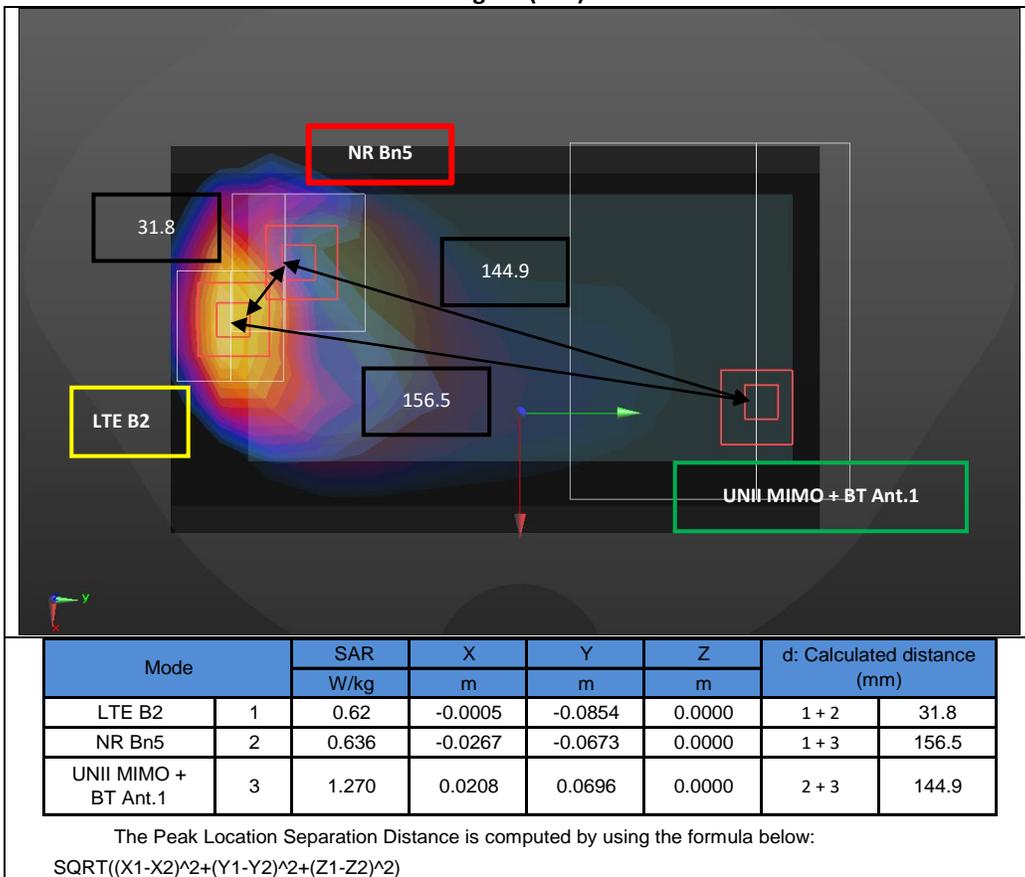


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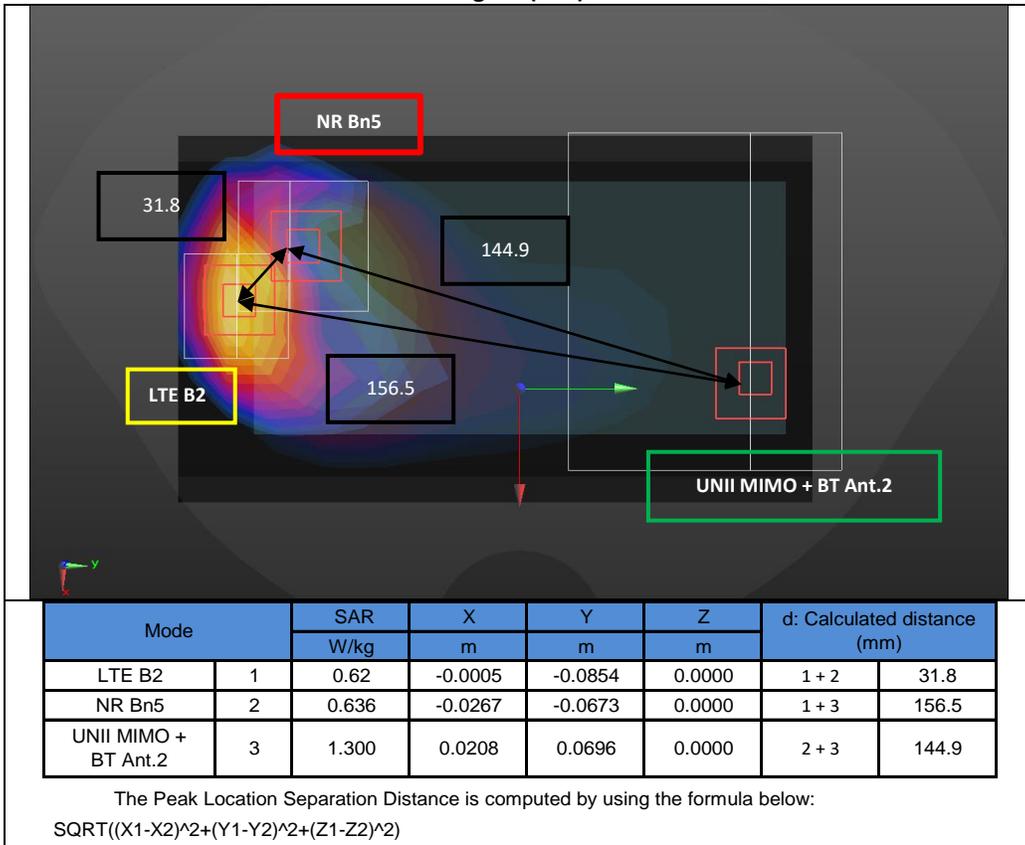


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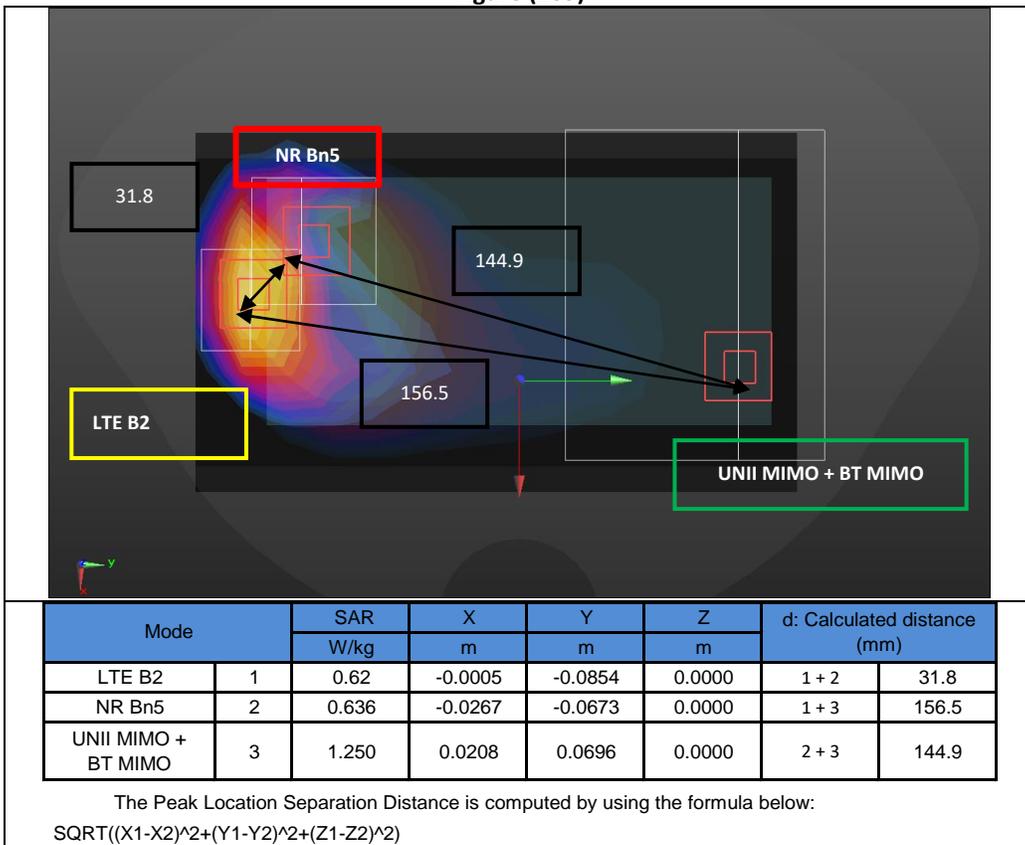


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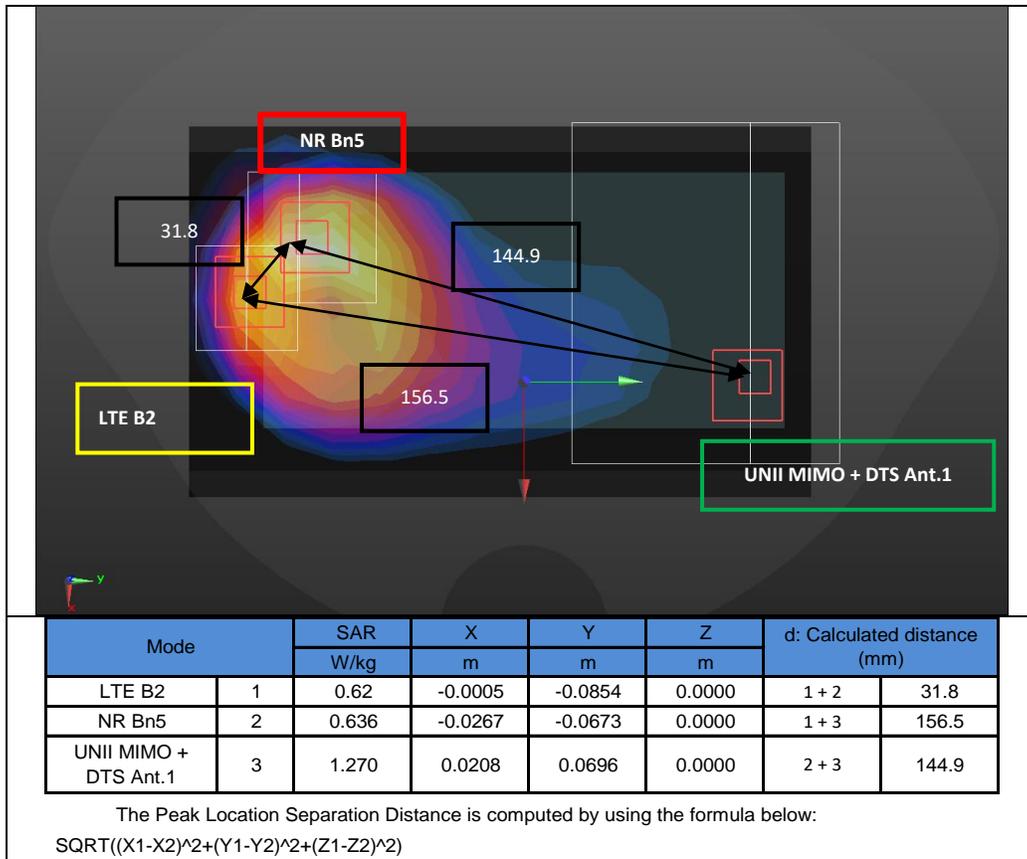


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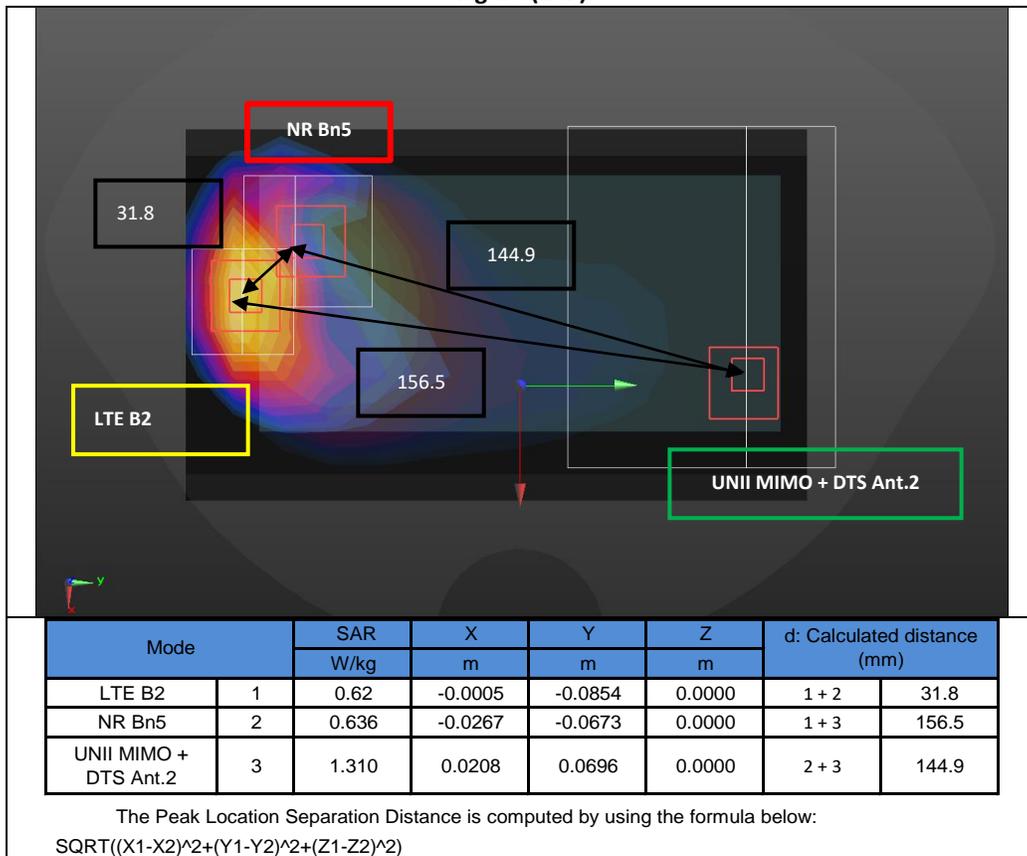


Figure (108)

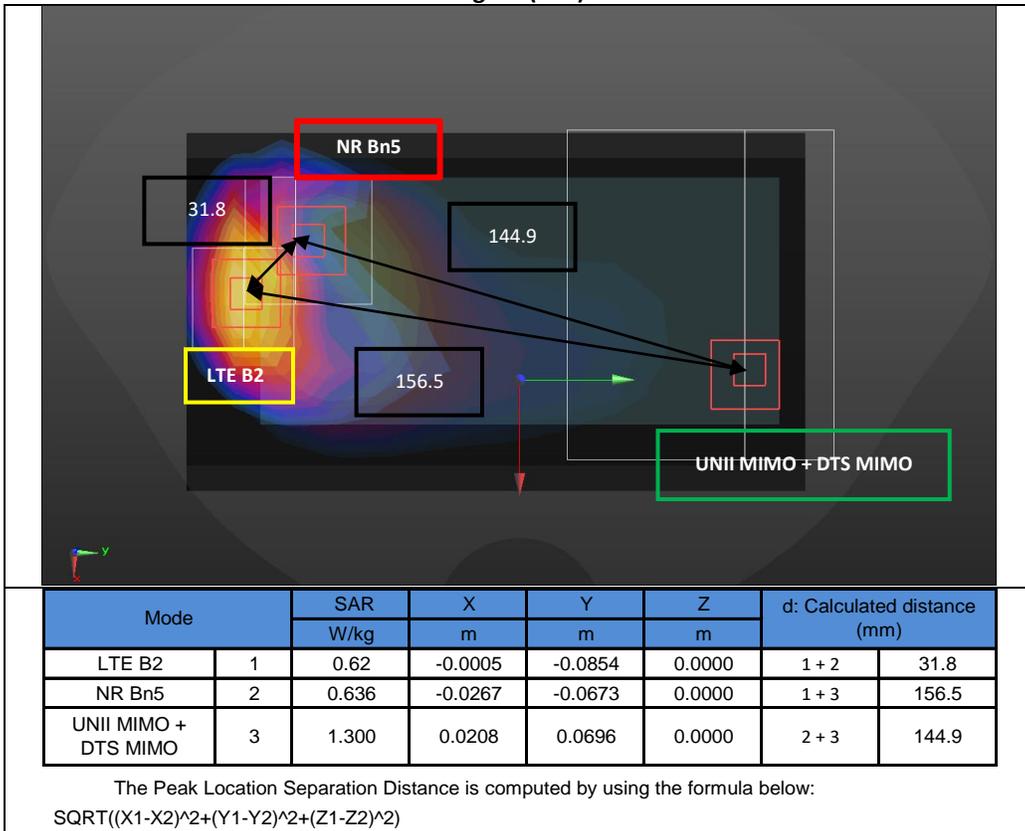


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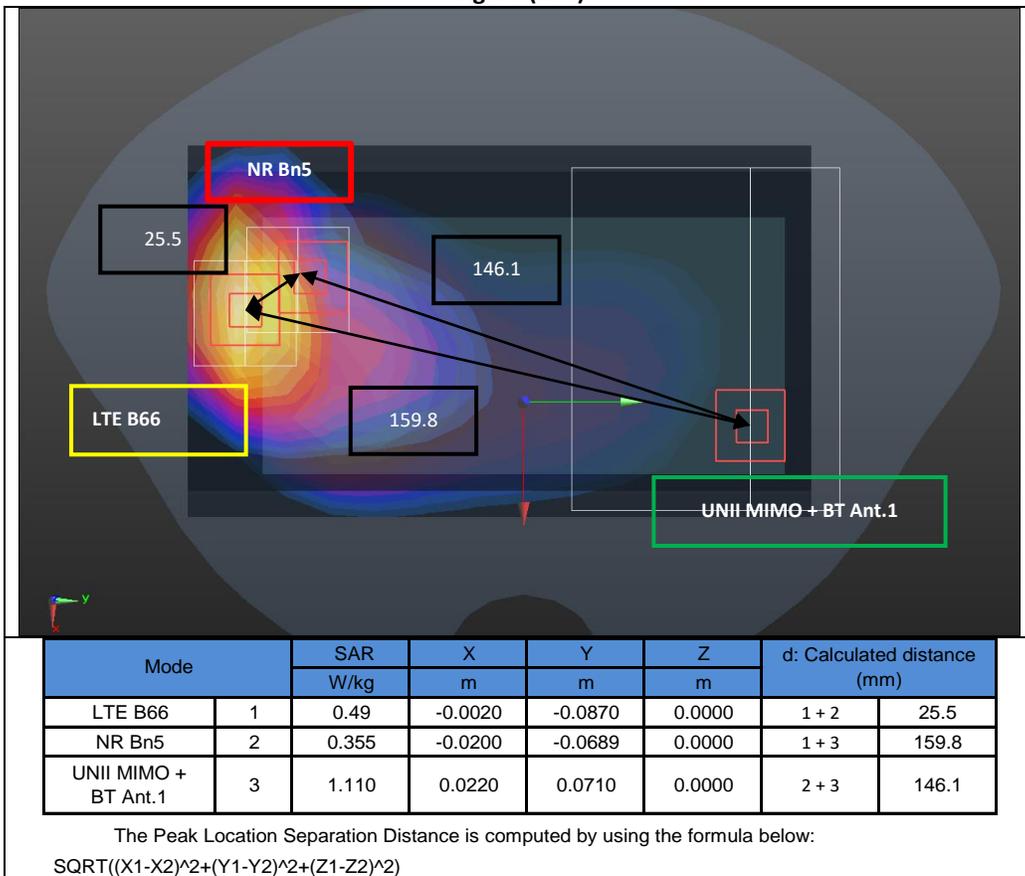


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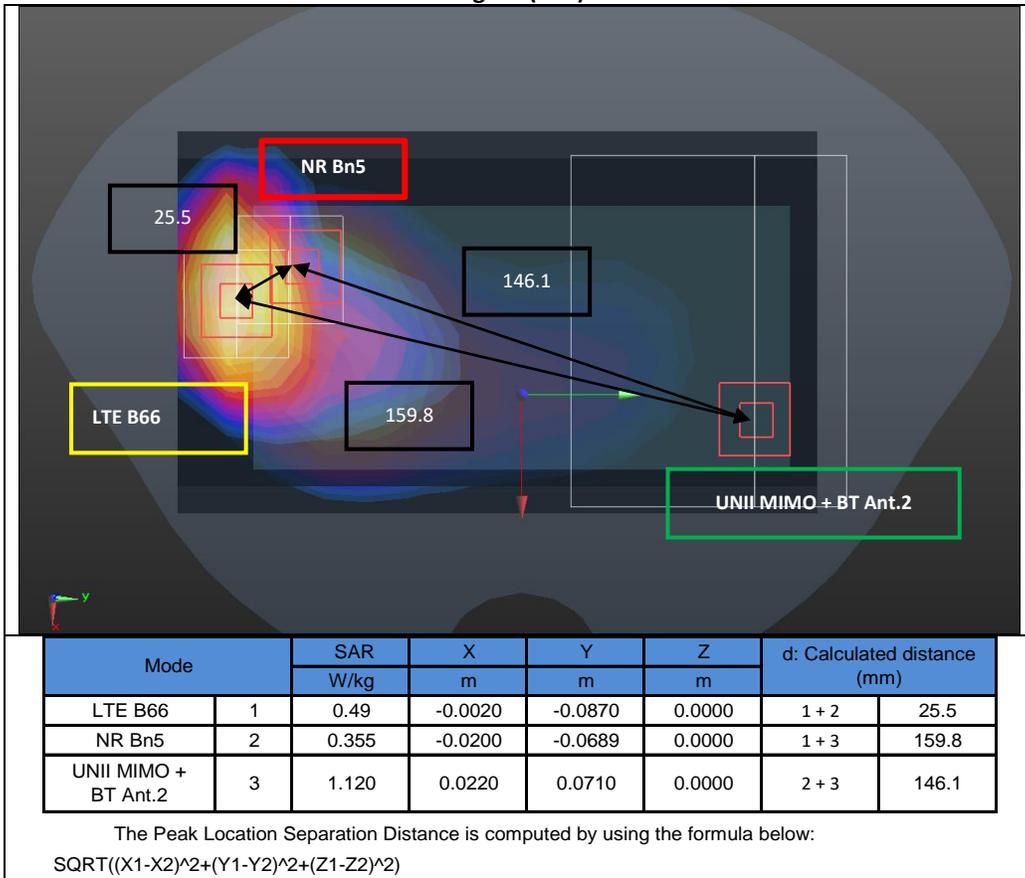


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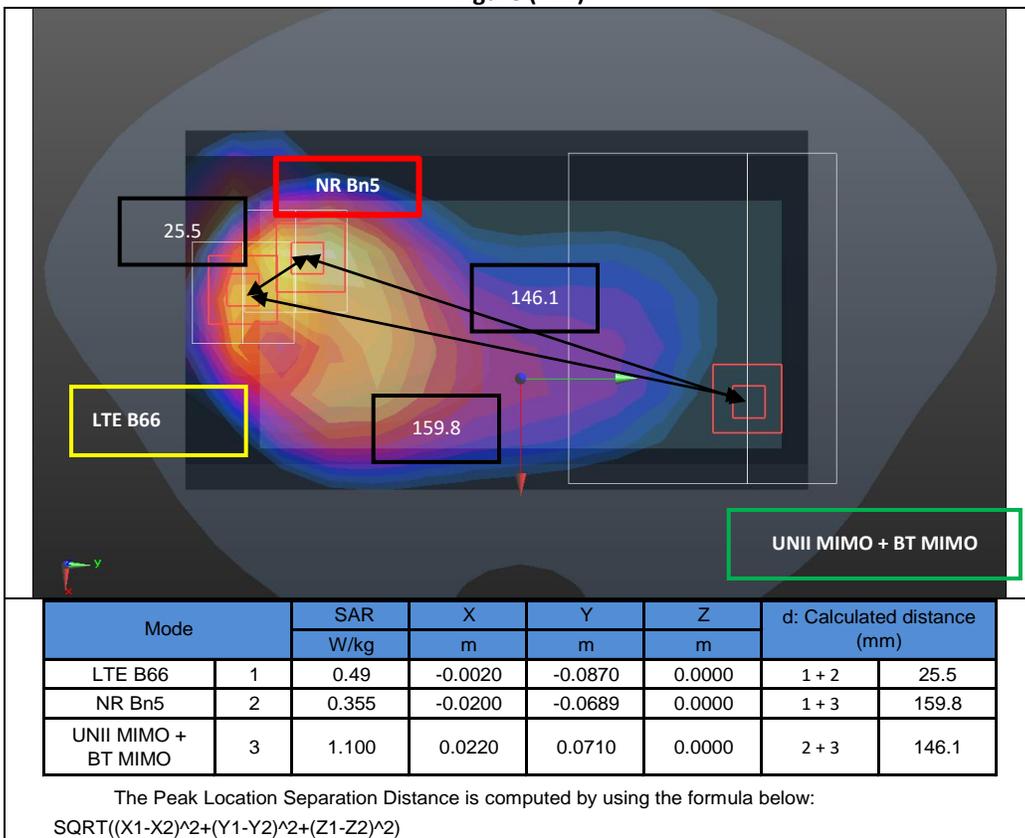


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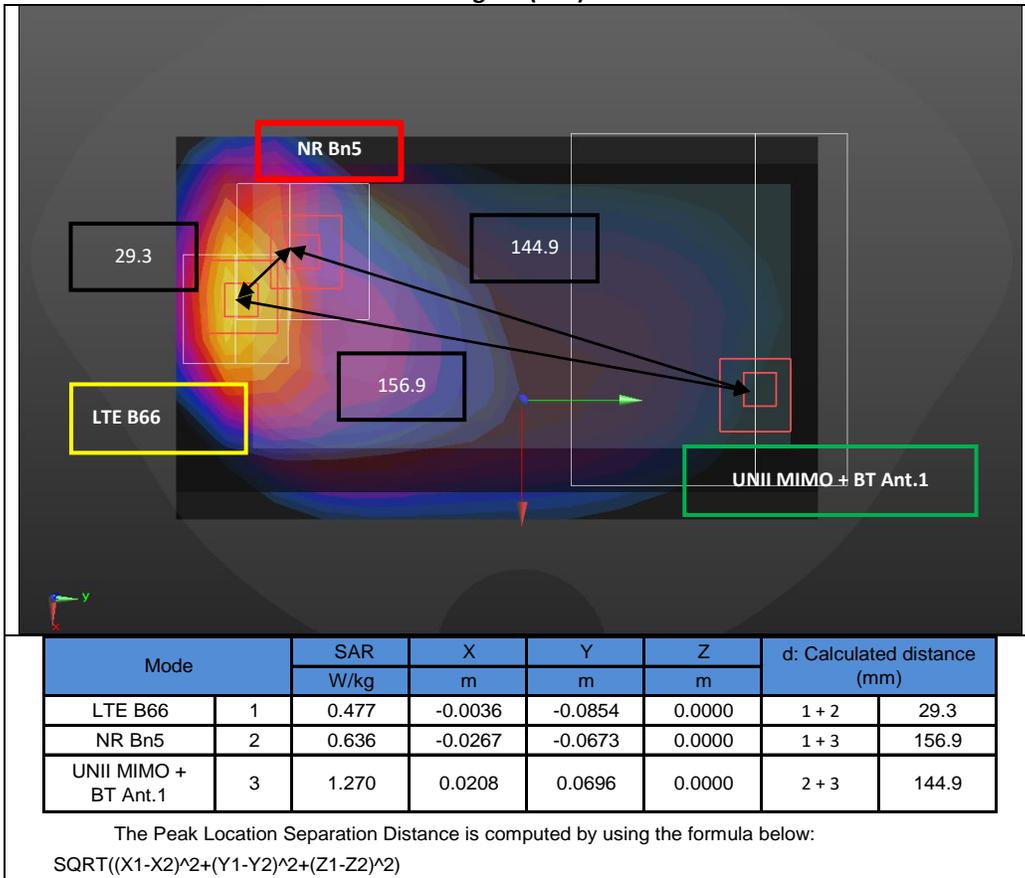


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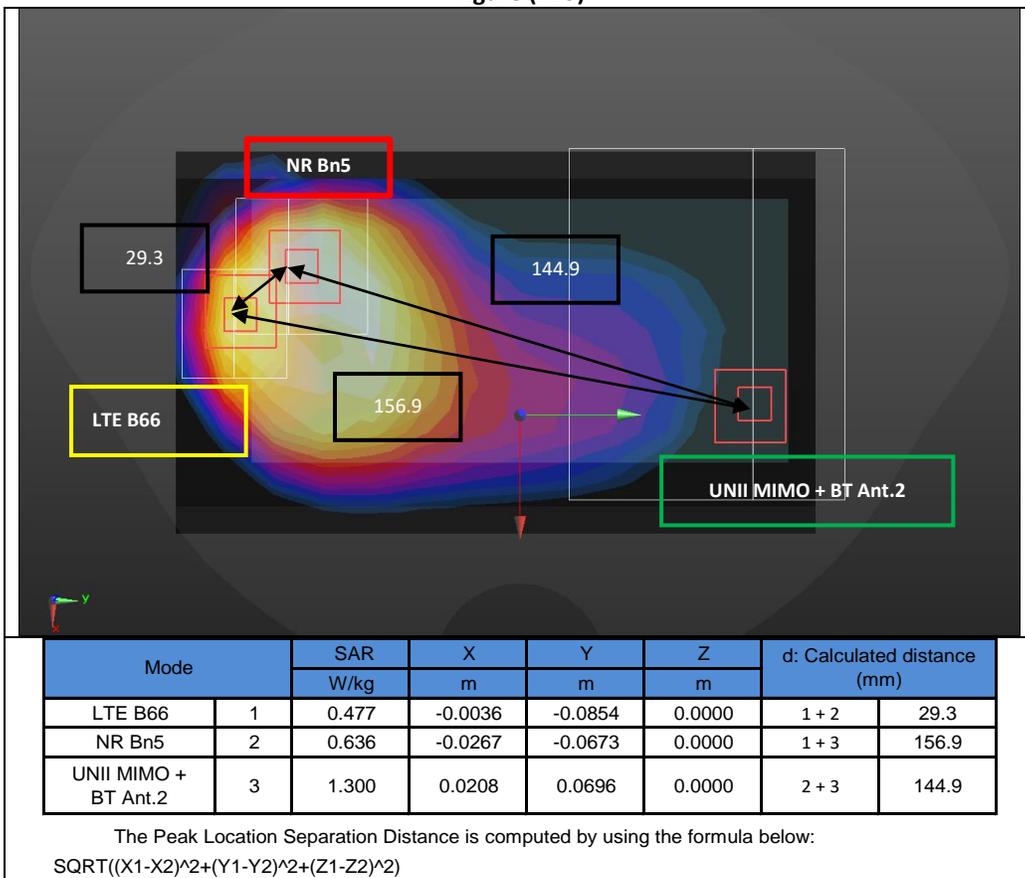


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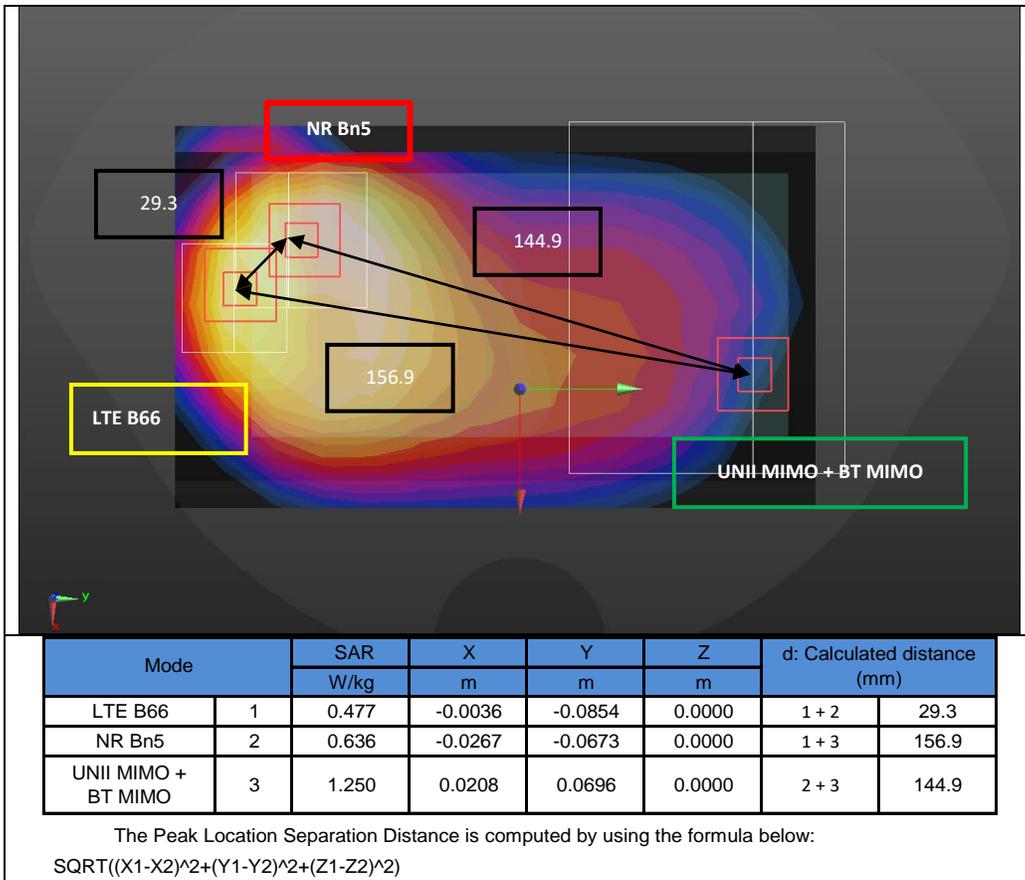


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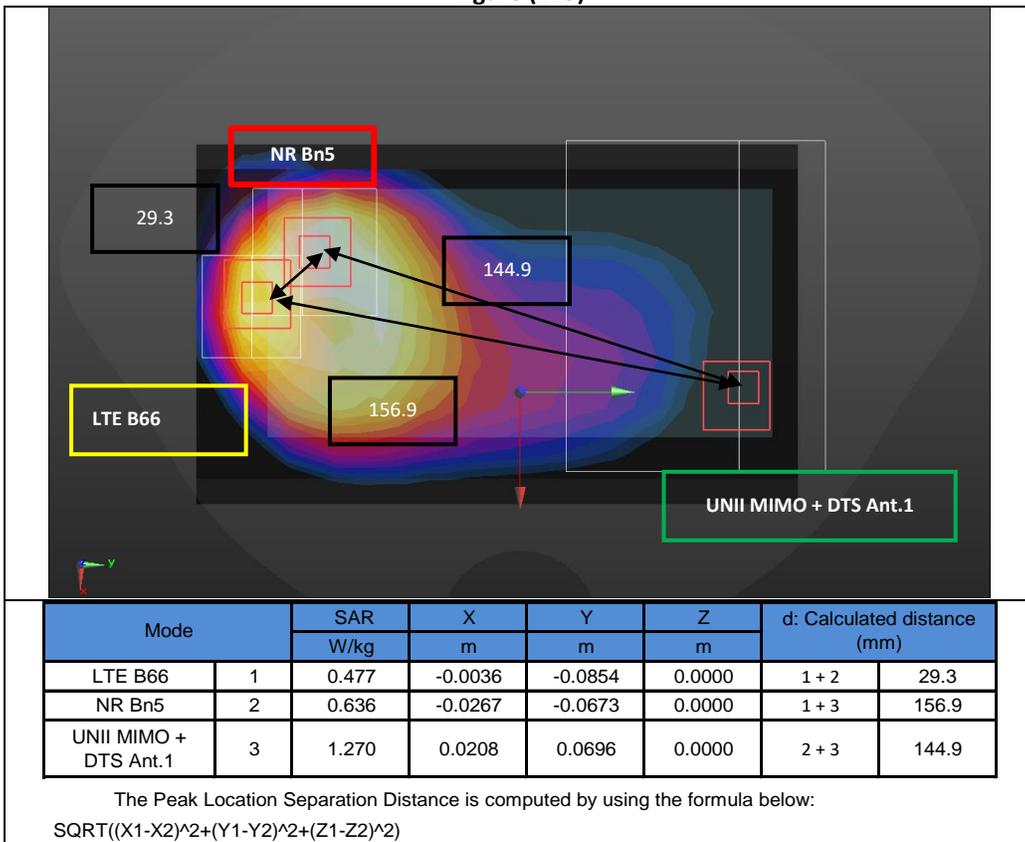


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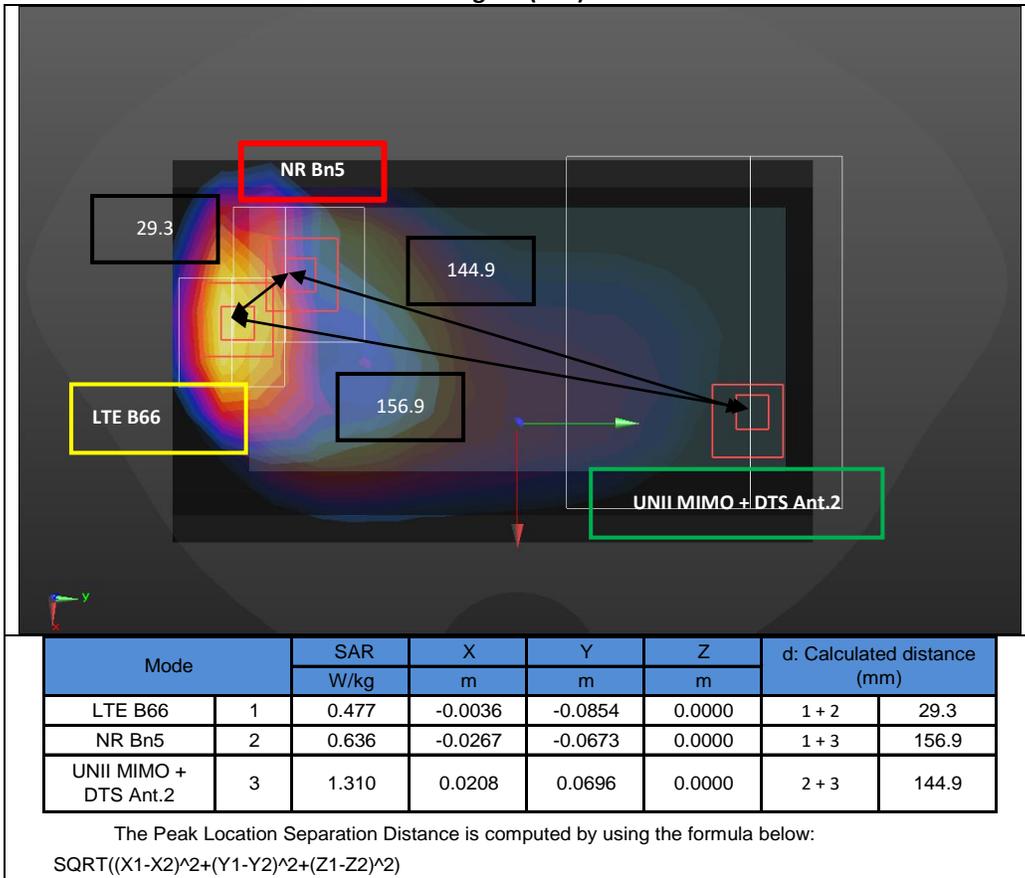


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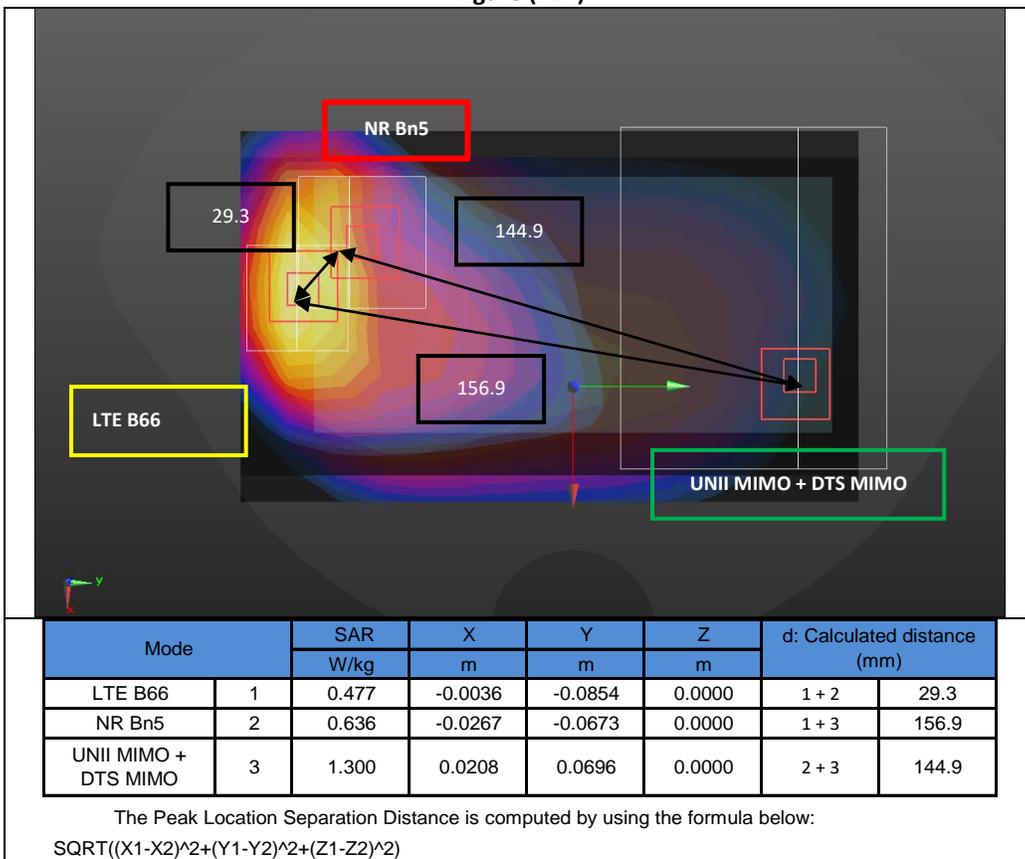
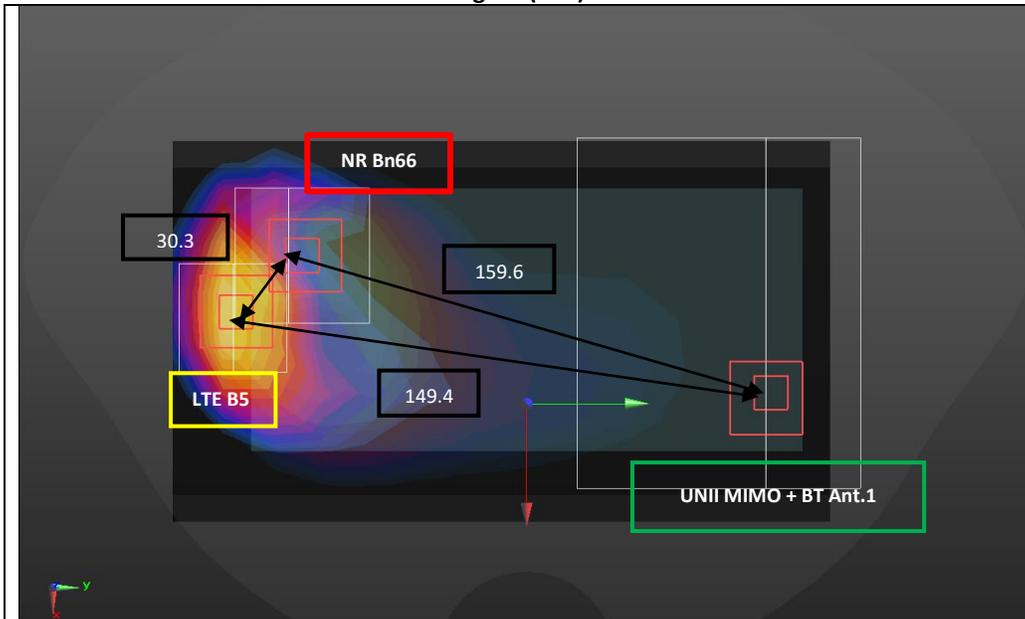


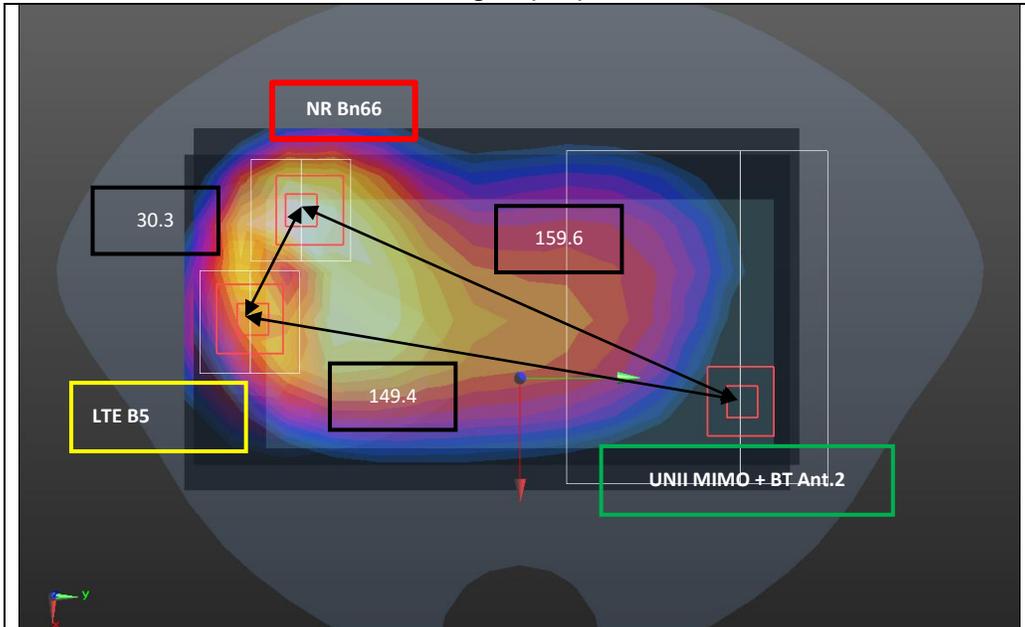
Figure (118)



Mode		SAR	X	Y	Z	d: Calculated distance (mm)	
		W/kg	m	m	m		
LTE B5	1	0.341	-0.0259	-0.0705	0.0000	1 + 2	30.3
NR Bn66	2	0.297	-0.0005	-0.0870	0.0000	1 + 3	149.4
UNII MIMO + BT Ant.1	3	1.110	0.0220	0.0710	0.0000	2 + 3	159.6

The Peak Location Separation Distance is computed by using the formula below:
 $SQRT((X1-X2)^2+(Y1-Y2)^2+(Z1-Z2)^2)$

Figure (119)



Mode		SAR	X	Y	Z	d: Calculated distance (mm)	
		W/kg	m	m	m		
LTE B5	1	0.341	-0.0259	-0.0705	0.0000	1 + 2	30.3
NR Bn66	2	0.297	-0.0005	-0.0870	0.0000	1 + 3	149.4
UNII MIMO + BT Ant.2	3	1.120	0.0220	0.0710	0.0000	2 + 3	159.6

The Peak Location Separation Distance is computed by using the formula below:
 $SQRT((X1-X2)^2+(Y1-Y2)^2+(Z1-Z2)^2)$

Figure (120)

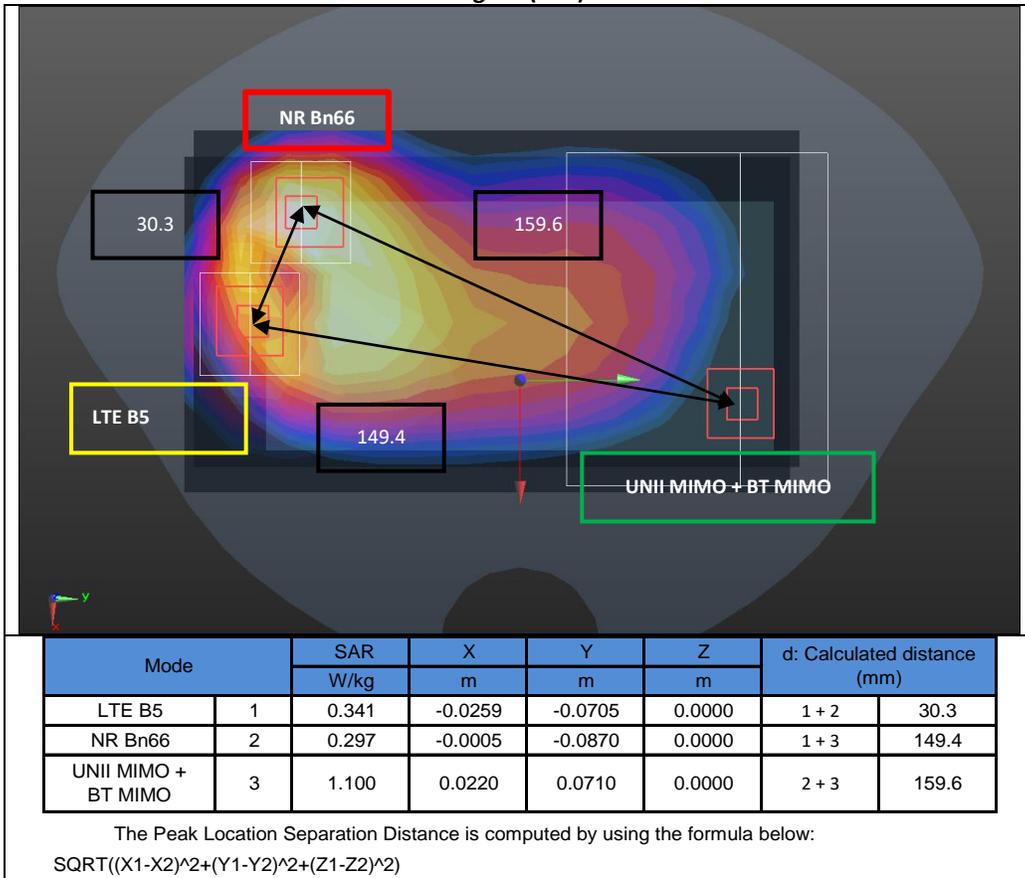


Figure (121)

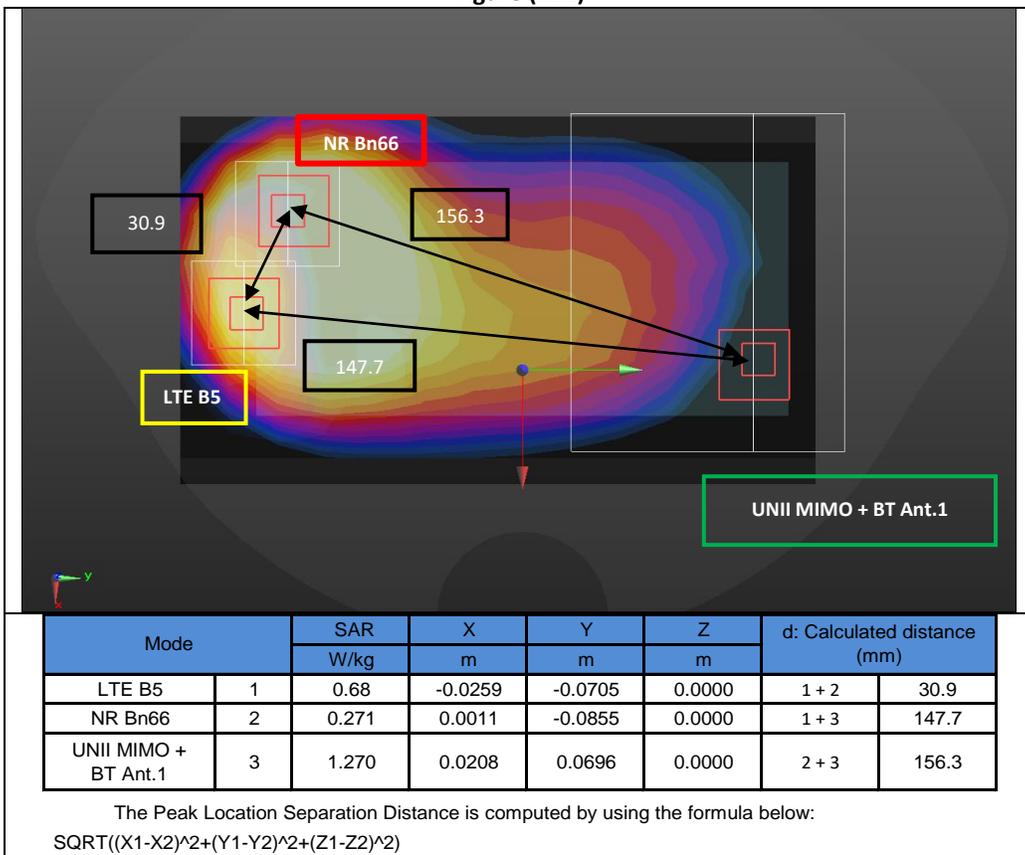


Figure (122)

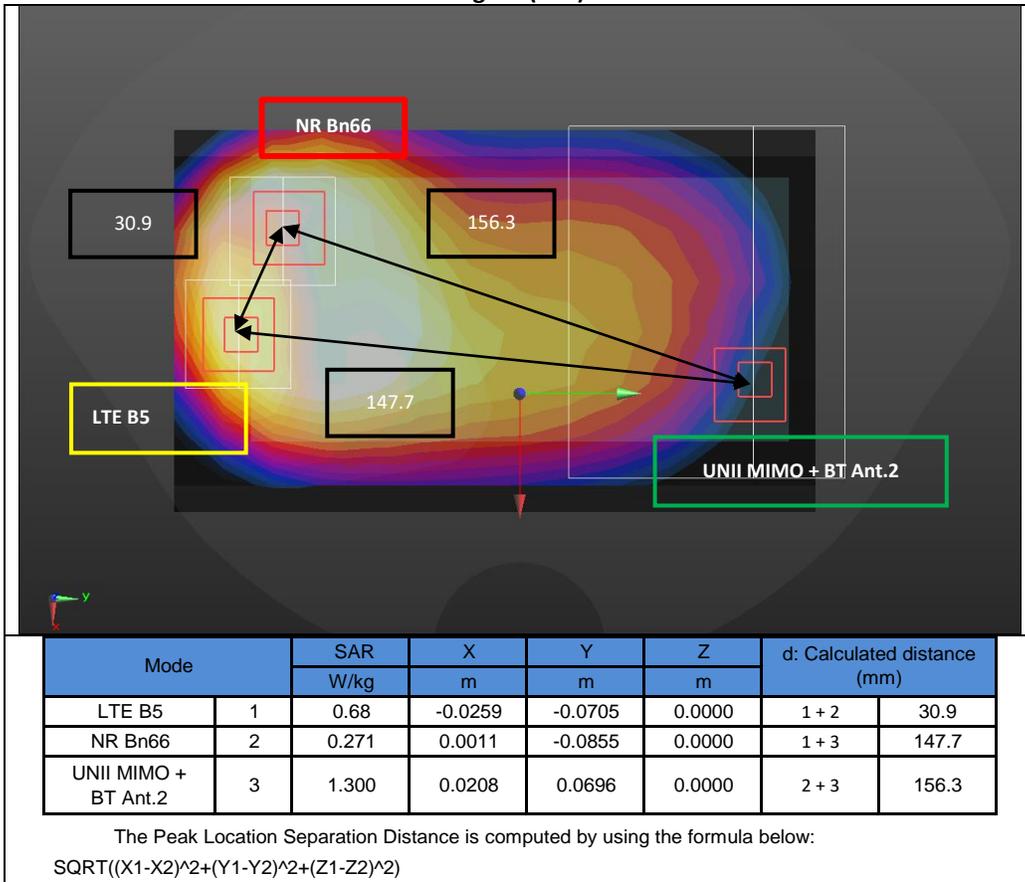


Figure (123)

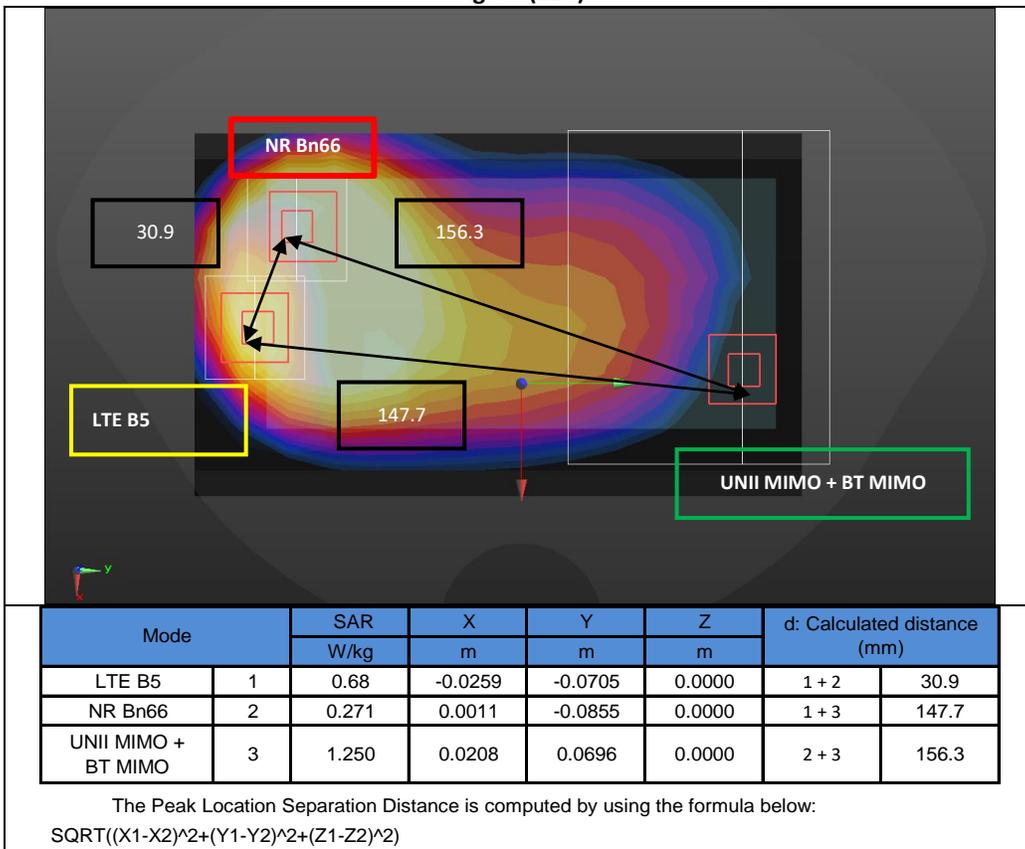


Figure (124)

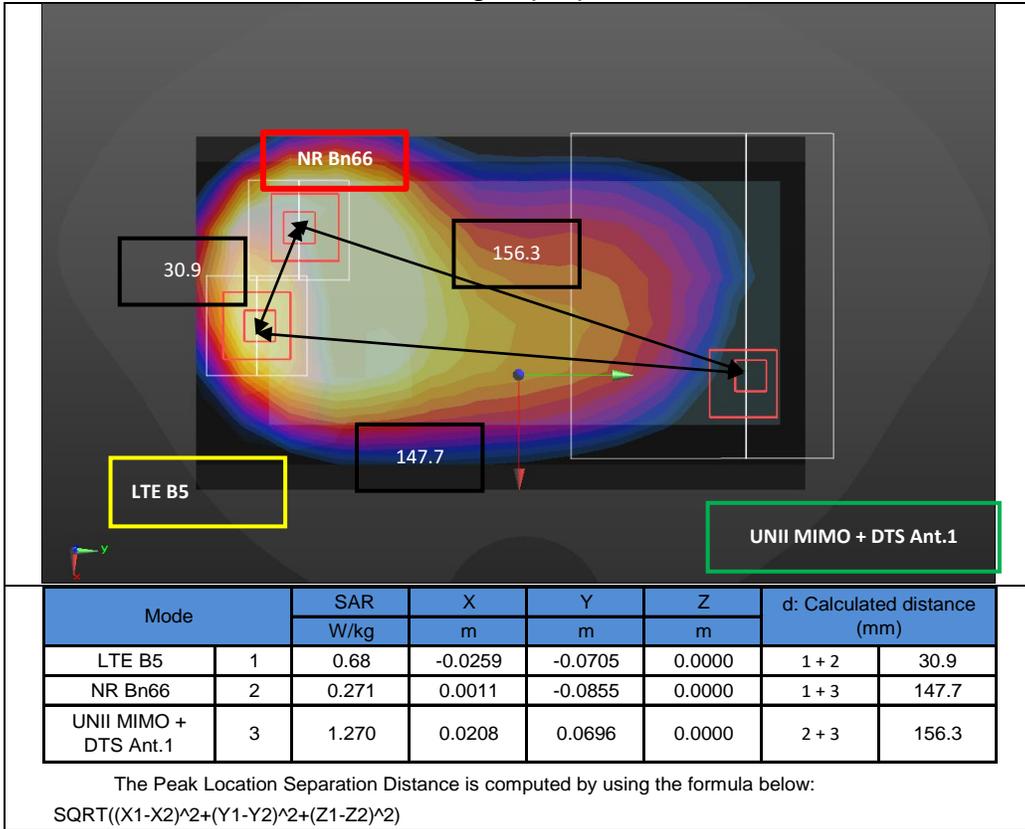


Figure (125)

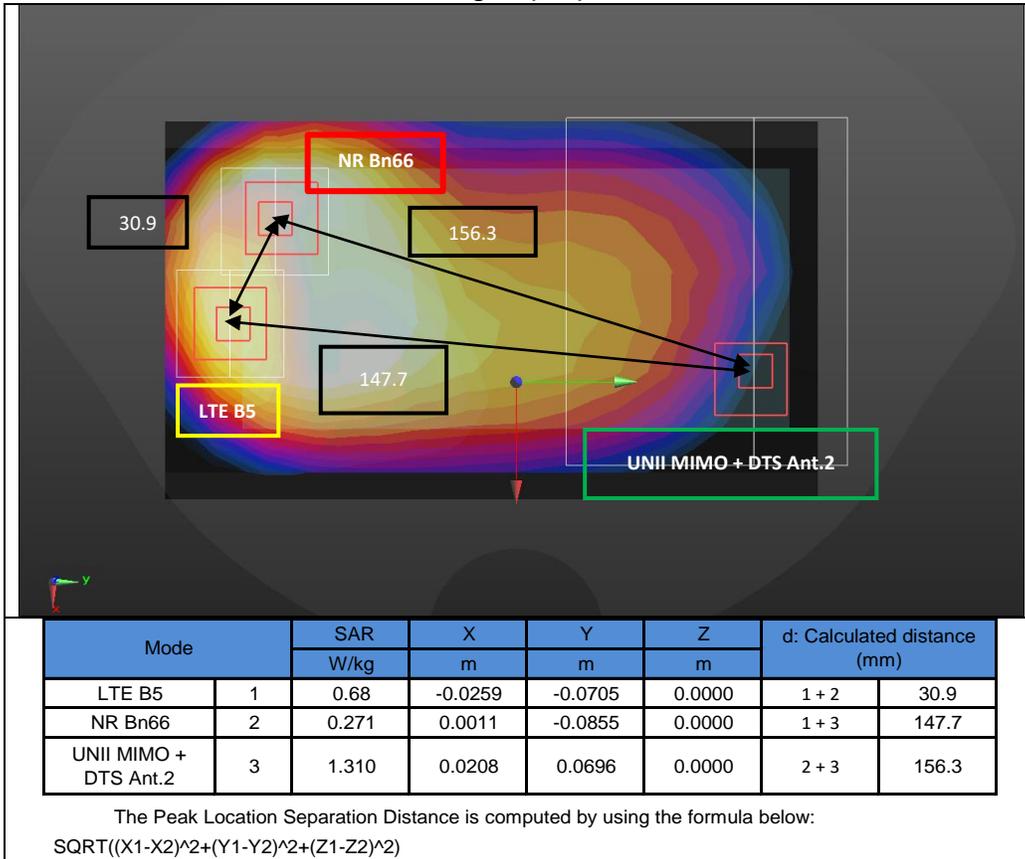


Figure (126)

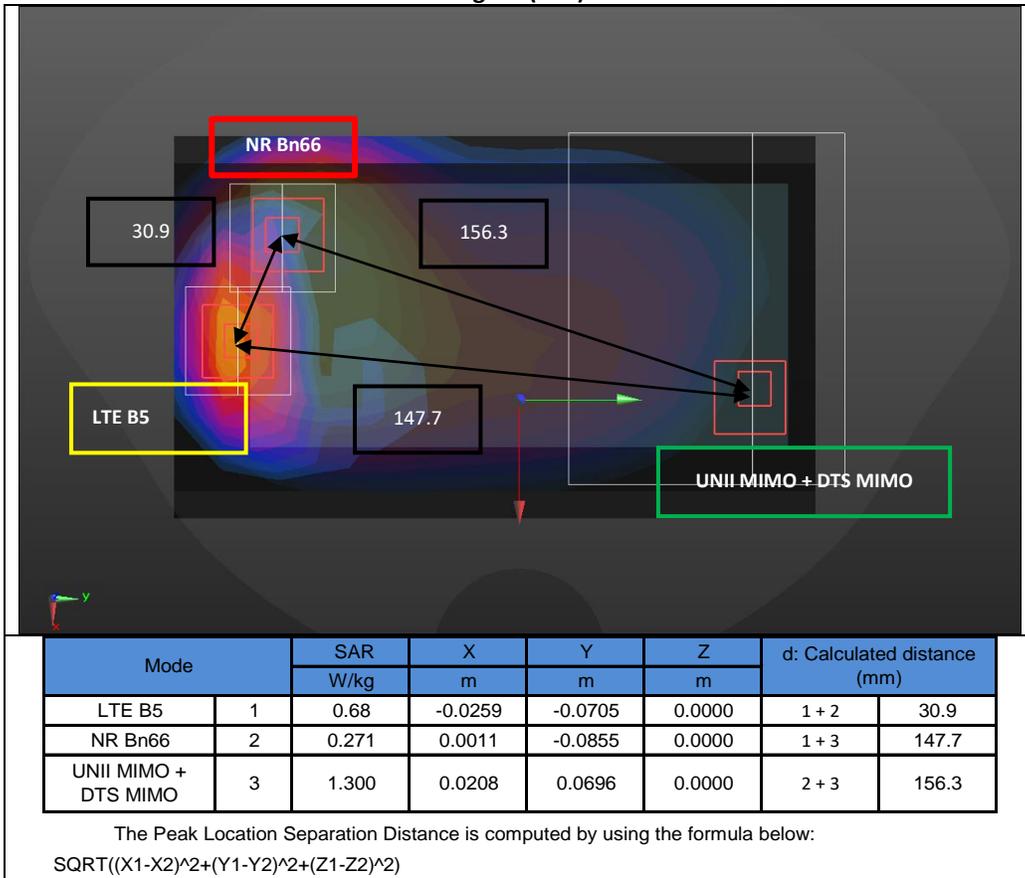


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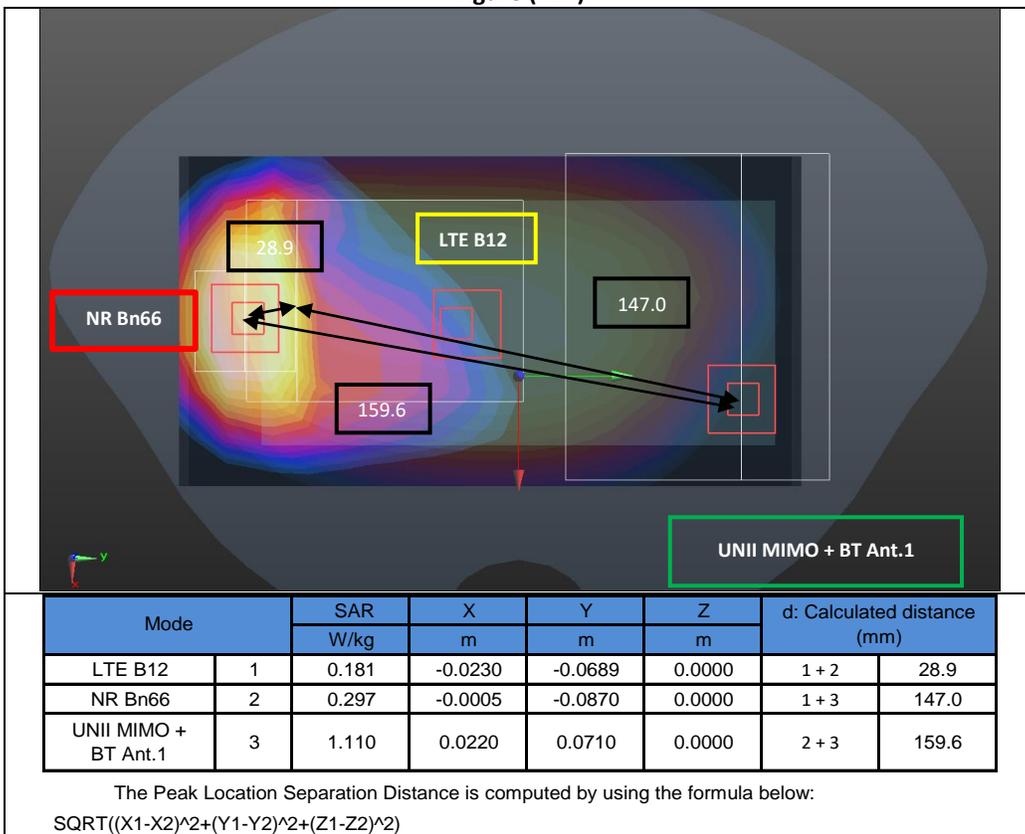


Figure (128)

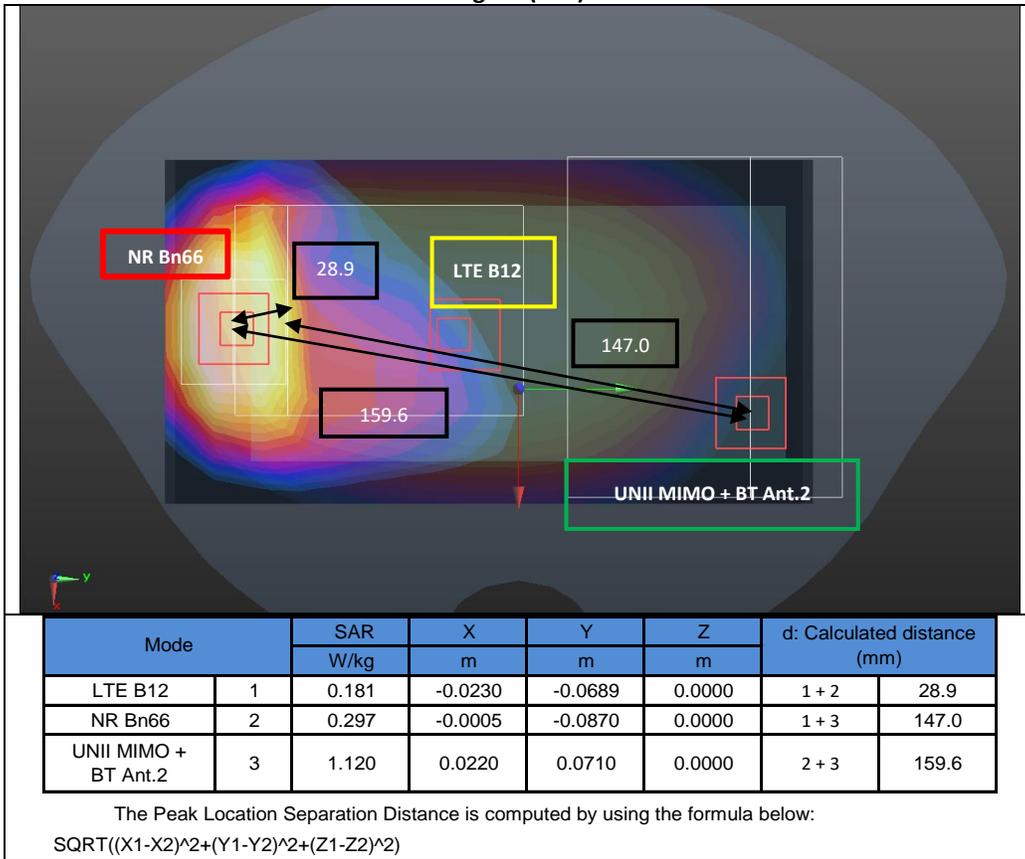


Figure (129)

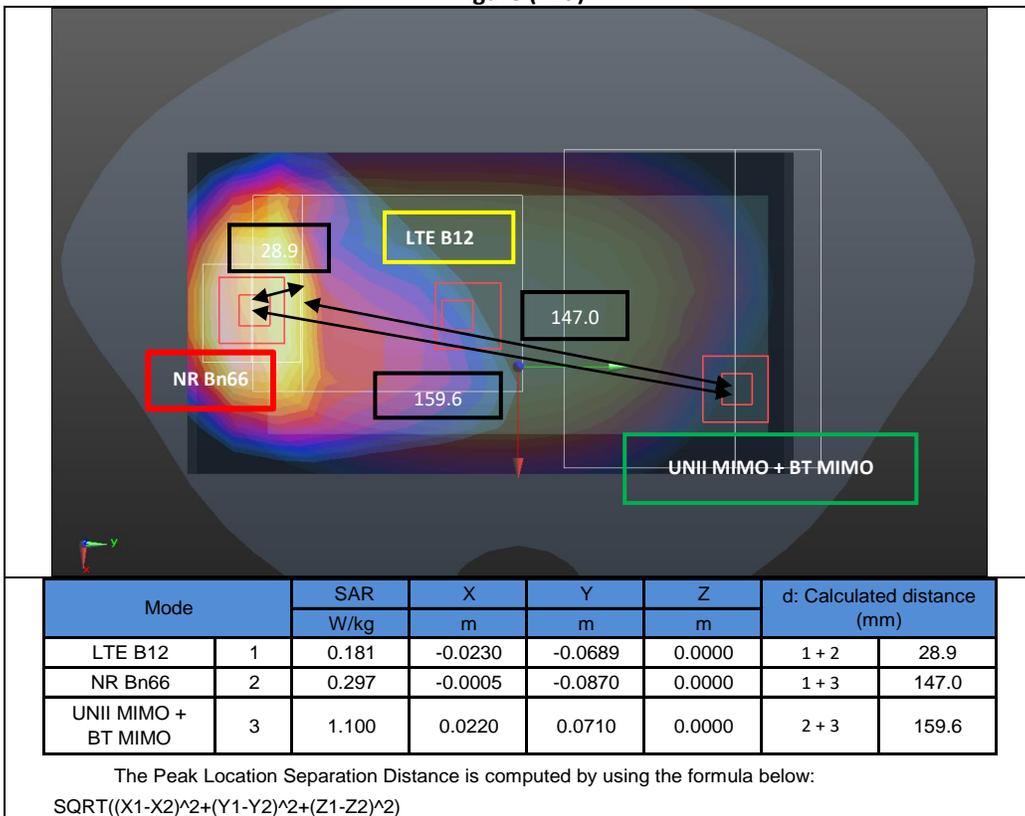


Figure (130)

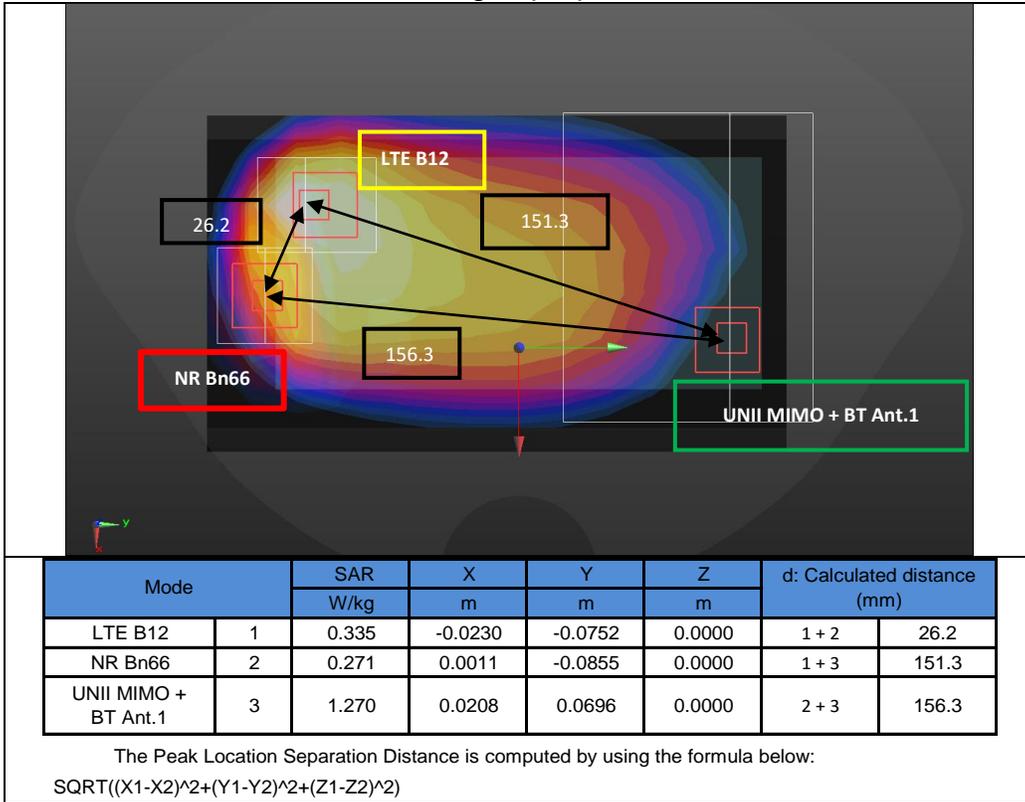


Figure (131)

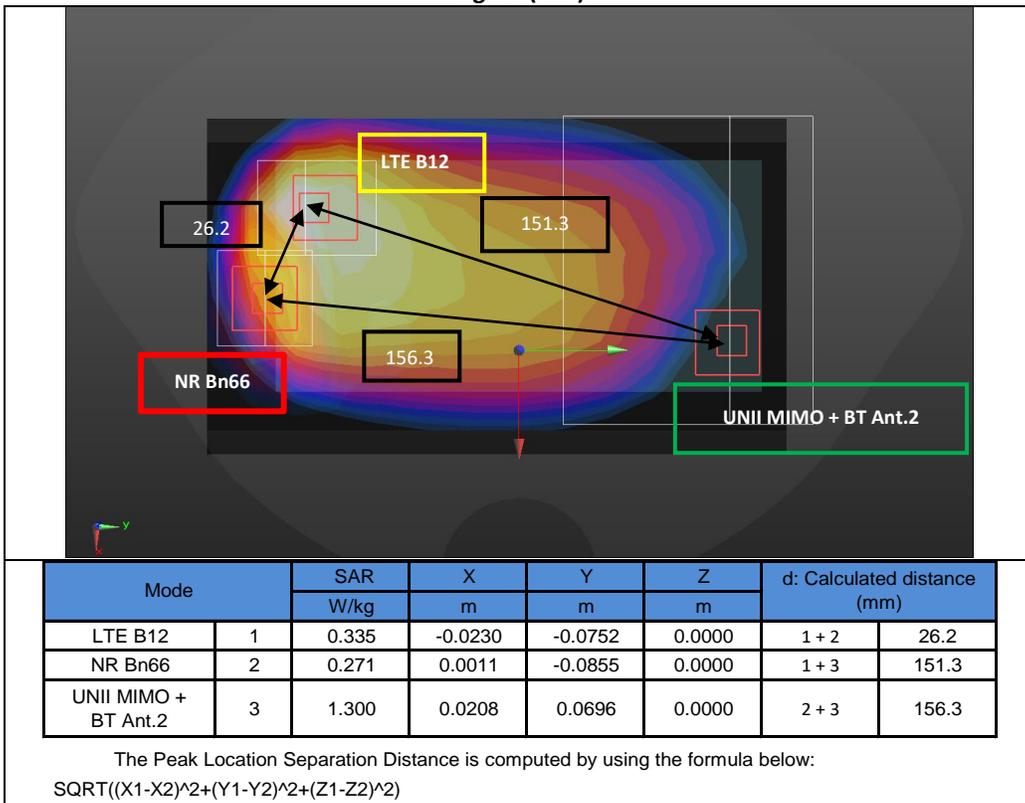


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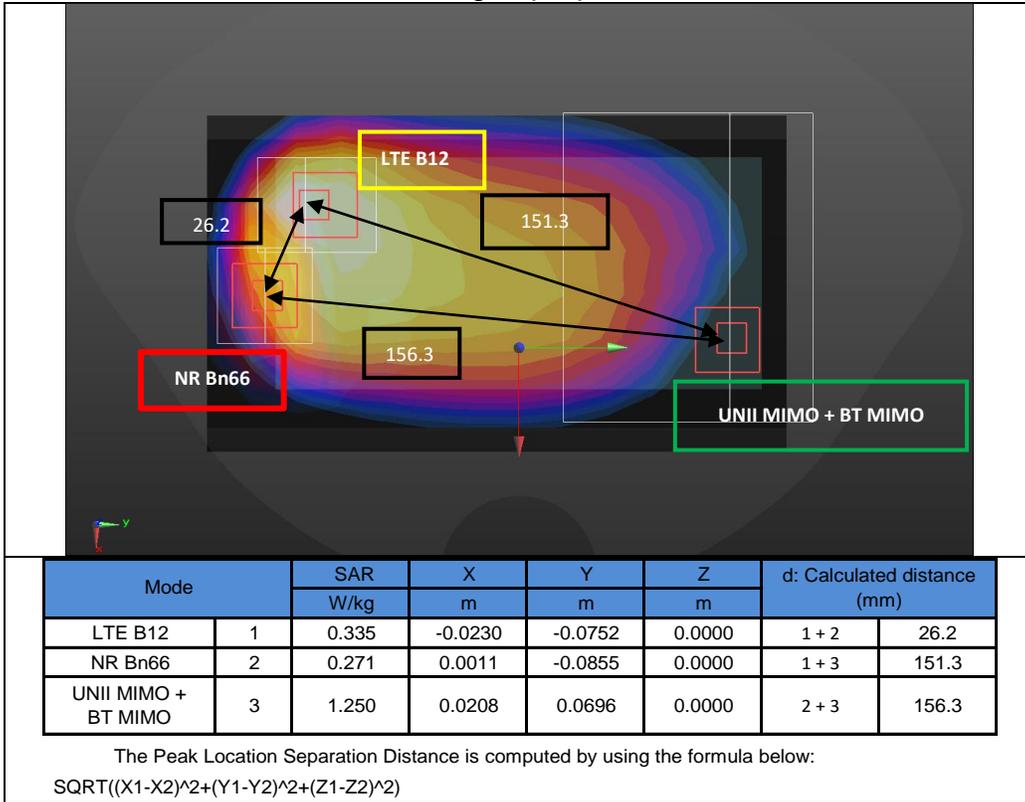


Figure (133)

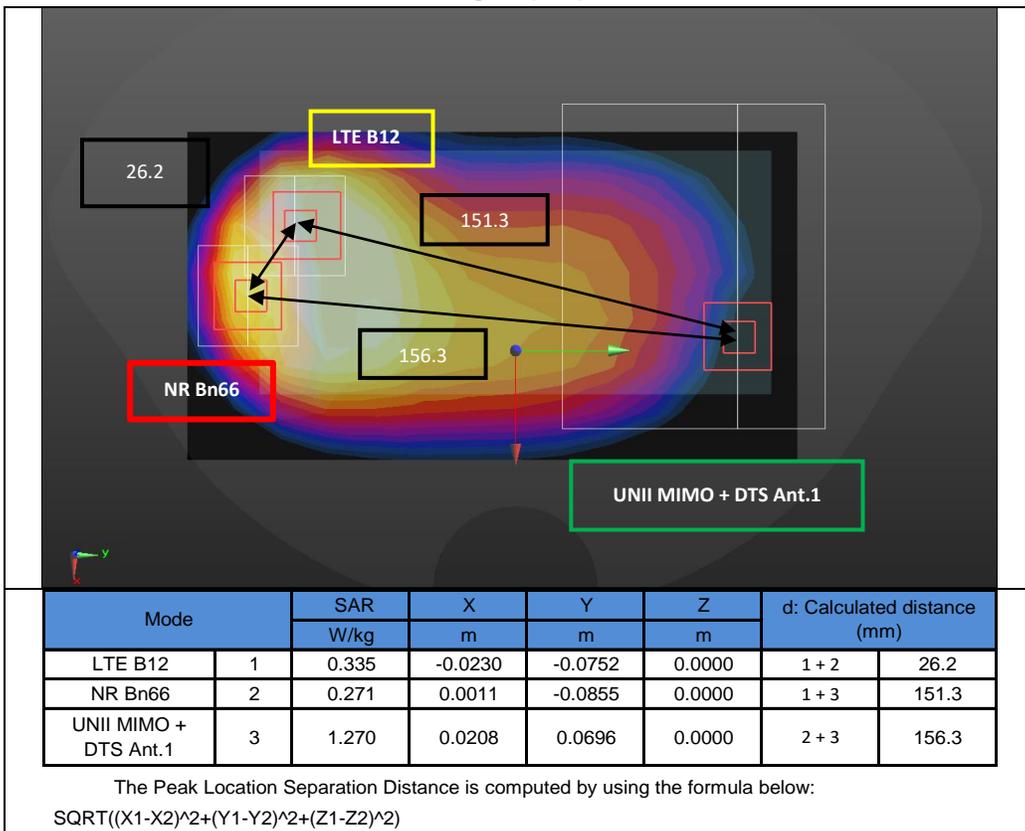


Figure (134)

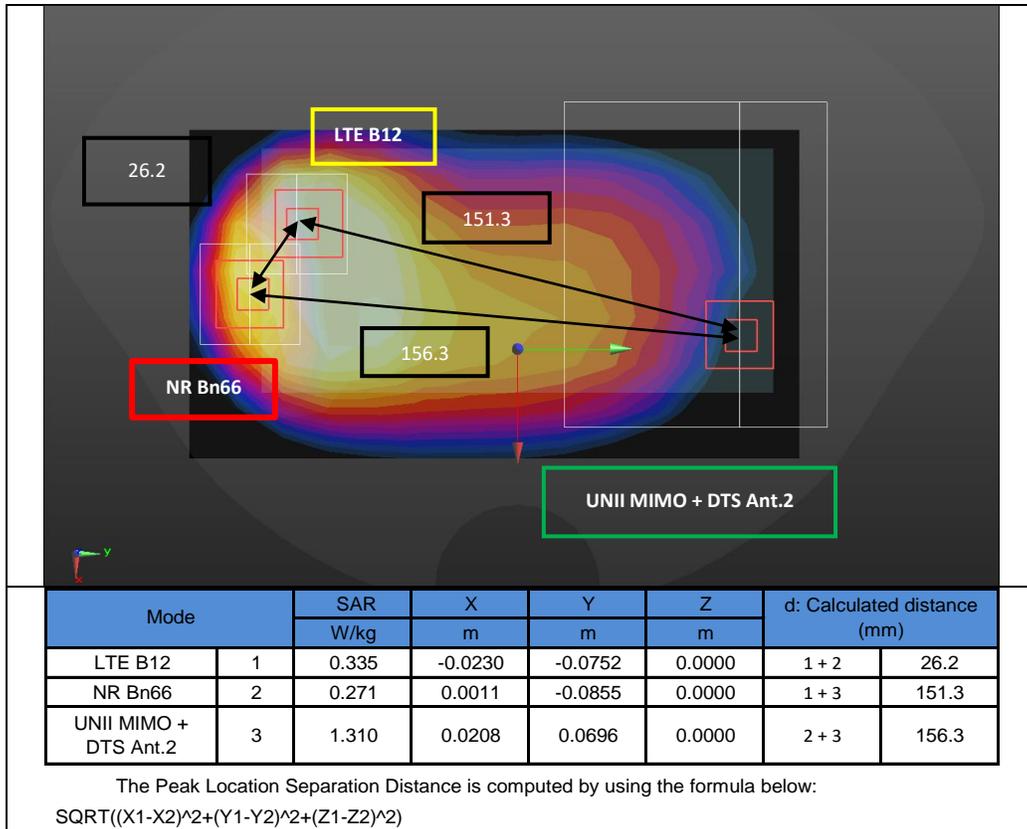


Figure (135)

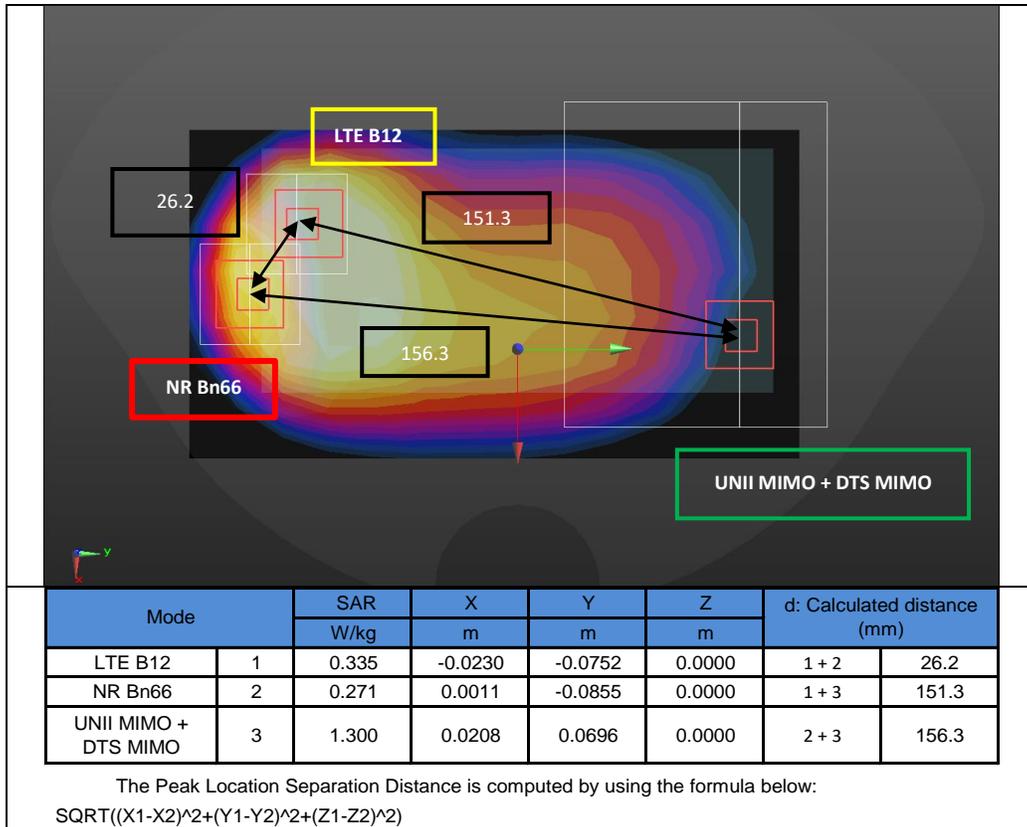


Figure (136)

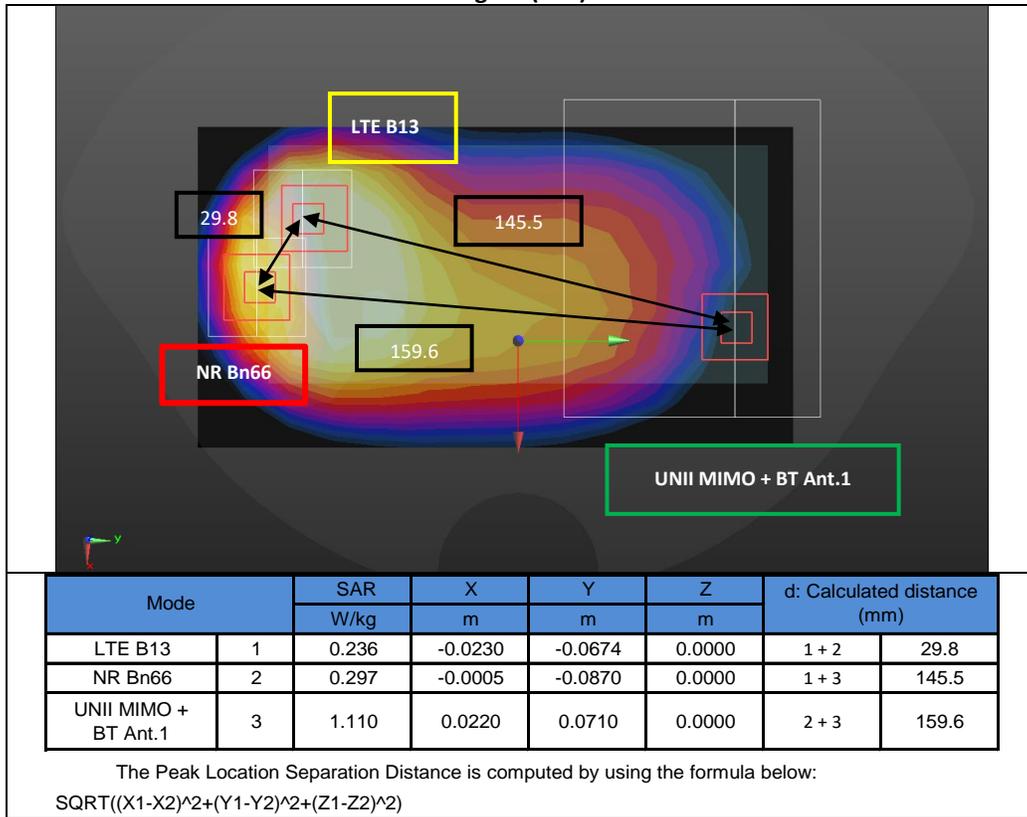


Figure (137)

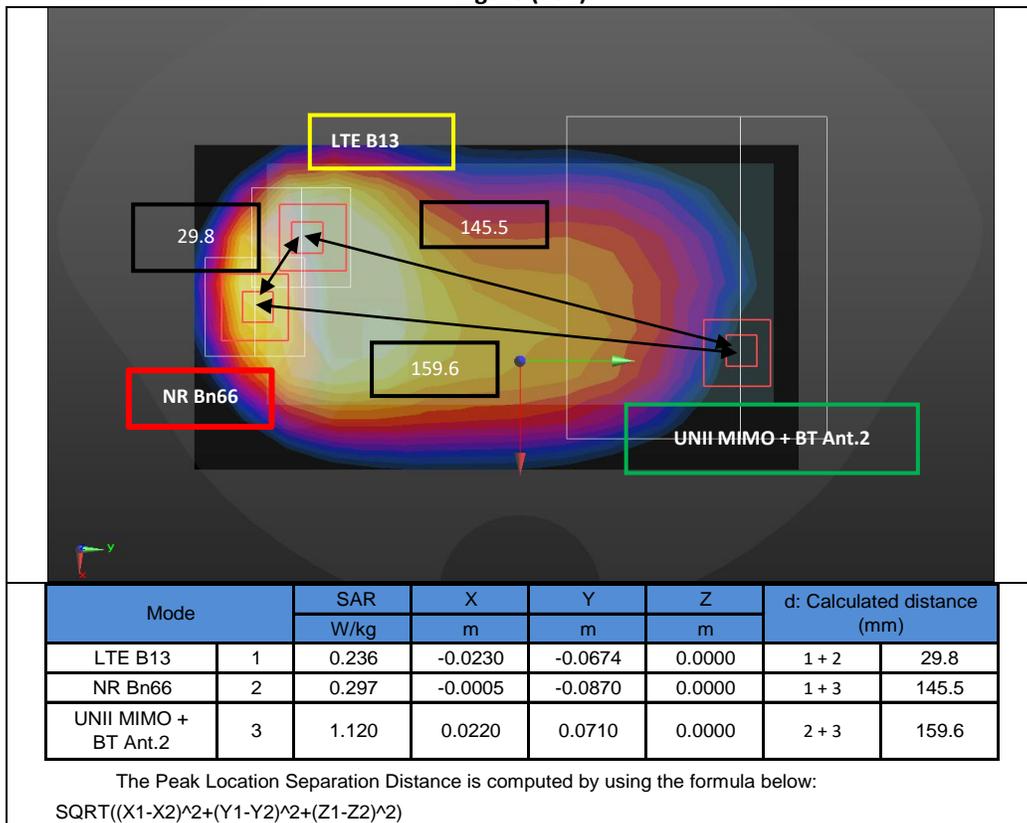


Figure (138)

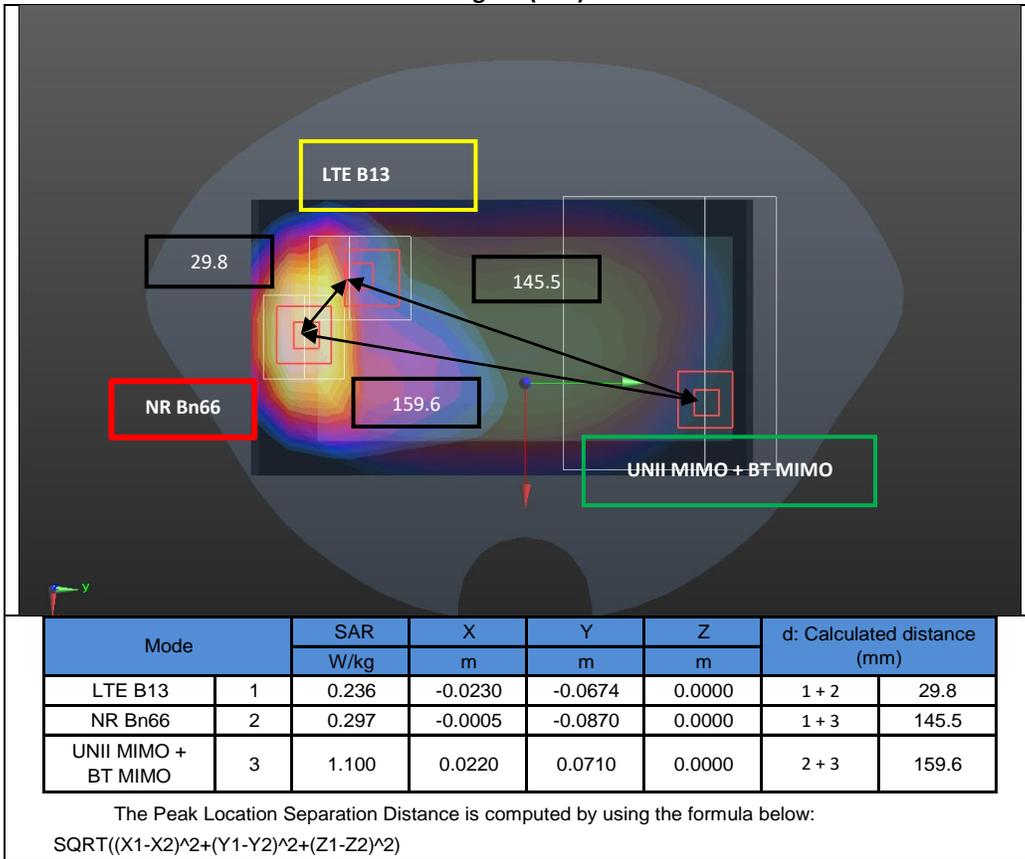


Figure (139)

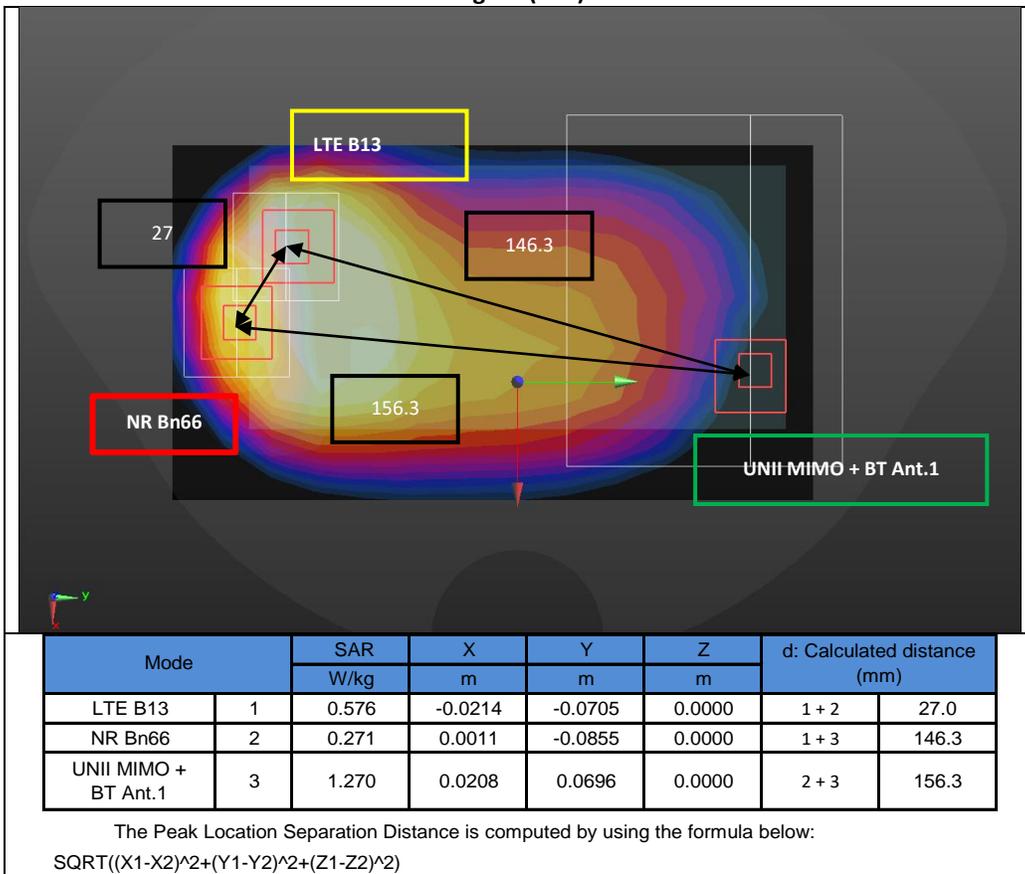
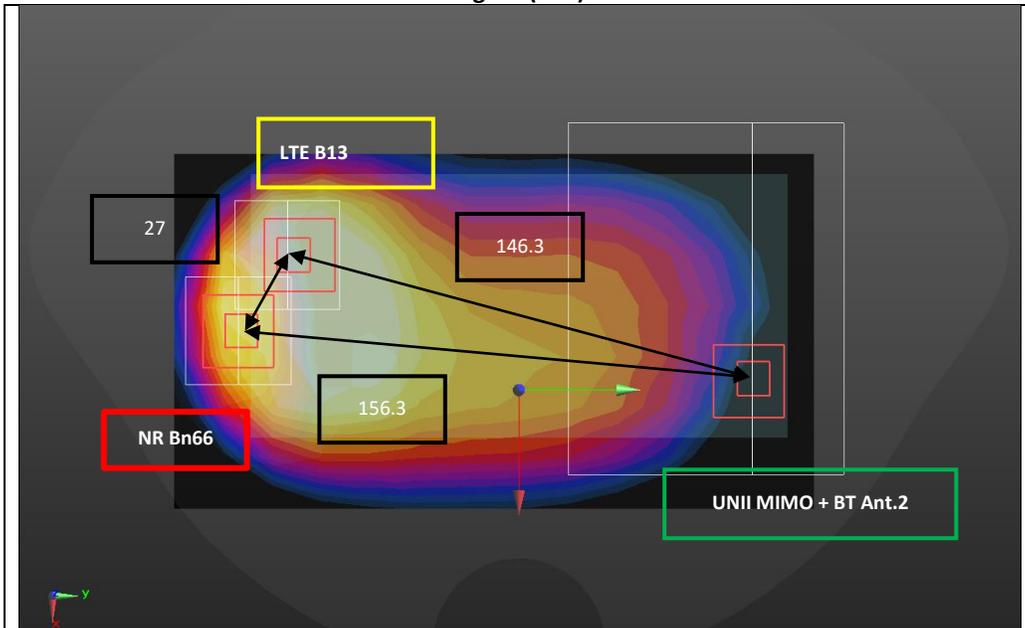


Figure (140)

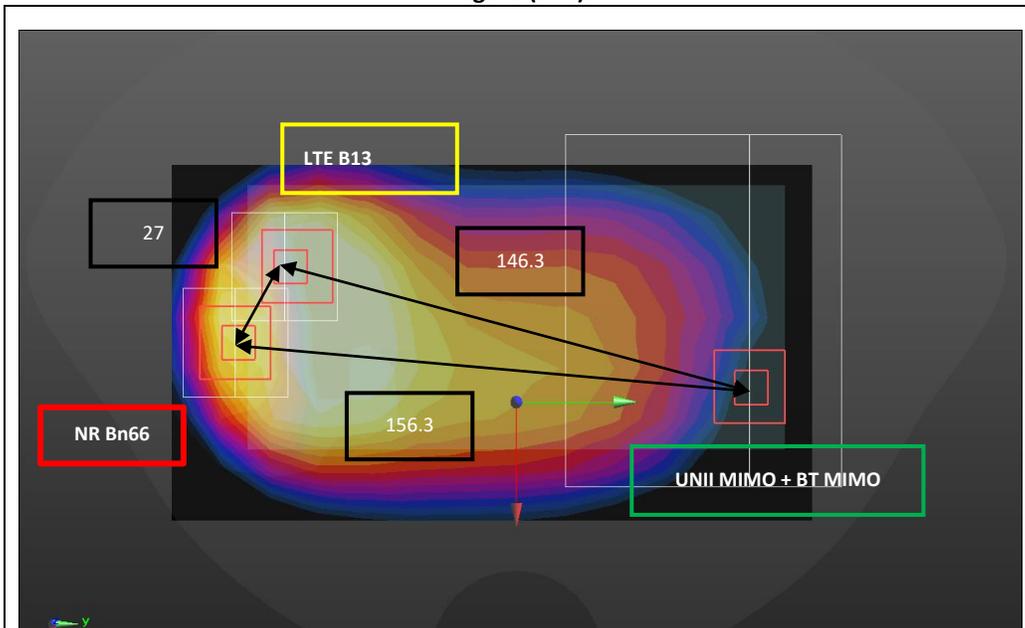


Mode		SAR	X	Y	Z	d: Calculated distance (mm)	
		W/kg	m	m	m		
LTE B13	1	0.576	-0.0214	-0.0705	0.0000	1 + 2	27.0
NR Bn66	2	0.271	0.0011	-0.0855	0.0000	1 + 3	146.3
UNII MIMO + BT Ant.2	3	1.300	0.0208	0.0696	0.0000	2 + 3	156.3

The Peak Location Separation Distance is computed by using the formula below:

$$\text{SQRT}((X1-X2)^2+(Y1-Y2)^2+(Z1-Z2)^2)$$

Figure (141)

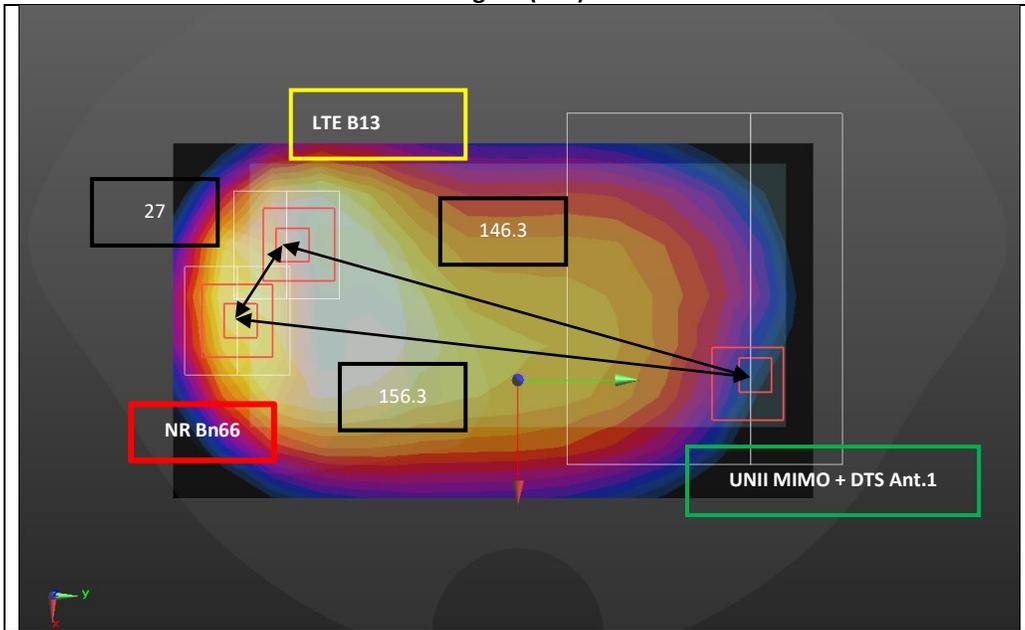


Mode		SAR	X	Y	Z	d: Calculated distance (mm)	
		W/kg	m	m	m		
LTE B13	1	0.576	-0.0214	-0.0705	0.0000	1 + 2	27.0
NR Bn66	2	0.271	0.0011	-0.0855	0.0000	1 + 3	146.3
UNII MIMO + BT MIMO	3	1.250	0.0208	0.0696	0.0000	2 + 3	156.3

The Peak Location Separation Distance is computed by using the formula below:

$$\text{SQRT}((X1-X2)^2+(Y1-Y2)^2+(Z1-Z2)^2)$$

Figure (142)

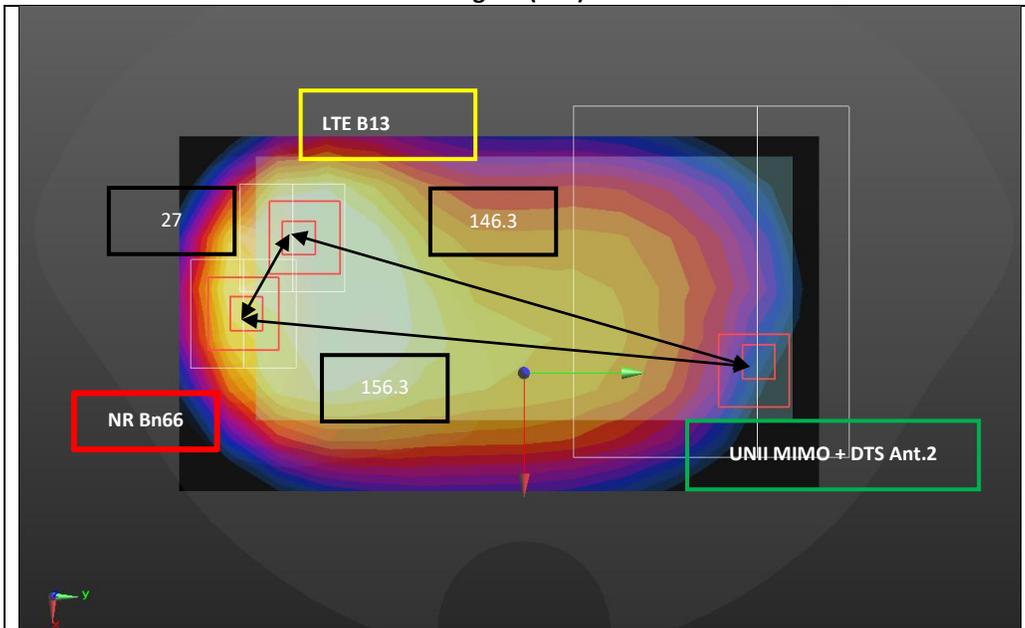


Mode		SAR	X	Y	Z	d: Calculated distance (mm)	
		W/kg	m	m	m		
LTE B13	1	0.576	-0.0214	-0.0705	0.0000	1 + 2	27.0
NR Bn66	2	0.271	0.0011	-0.0855	0.0000	1 + 3	146.3
UNII MIMO + DTS Ant.1	3	1.270	0.0208	0.0696	0.0000	2 + 3	156.3

The Peak Location Separation Distance is computed by using the formula below:

$$\text{SQRT}((X1-X2)^2+(Y1-Y2)^2+(Z1-Z2)^2)$$

Figure (143)

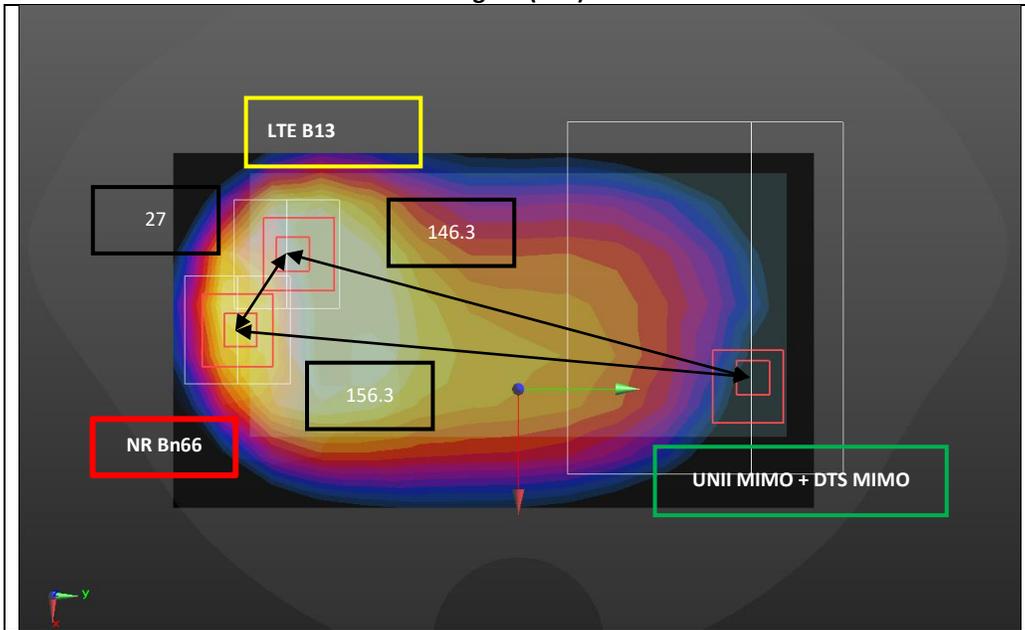


Mode		SAR	X	Y	Z	d: Calculated distance (mm)	
		W/kg	m	m	m		
LTE B13	1	0.576	-0.0214	-0.0705	0.0000	1 + 2	27.0
NR Bn66	2	0.271	0.0011	-0.0855	0.0000	1 + 3	146.3
UNII MIMO + DTS Ant.2	3	1.310	0.0208	0.0696	0.0000	2 + 3	156.3

The Peak Location Separation Distance is computed by using the formula below:

$$\text{SQRT}((X1-X2)^2+(Y1-Y2)^2+(Z1-Z2)^2)$$

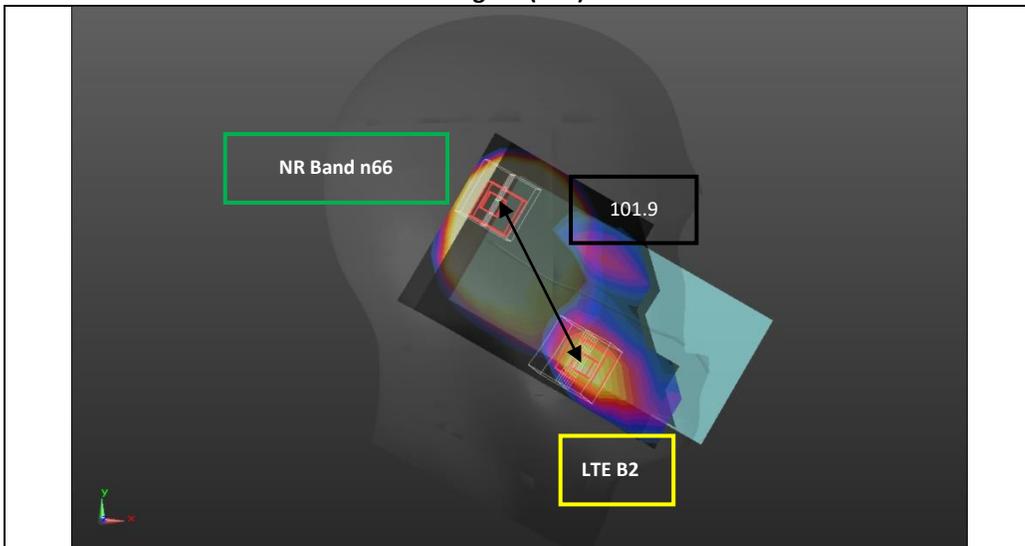
Figure (144)



Mode		SAR	X	Y	Z	d: Calculated distance (mm)	
		W/kg	m	m	m		
LTE B13	1	0.576	-0.0214	-0.0705	0.0000	1 + 2	27.0
NR Bn66	2	0.271	0.0011	-0.0855	0.0000	1 + 3	146.3
UNII MIMO + DTS MIMO	3	1.300	0.0208	0.0696	0.0000	2 + 3	156.3

The Peak Location Separation Distance is computed by using the formula below:
 $SQRT((X1-X2)^2+(Y1-Y2)^2+(Z1-Z2)^2)$

Figure (145)



Mode		SAR	X	Y	Z	d: Calculated distance (mm)	
		W/kg	m	m	m		
LTE B2	1	0.096	0.0580	0.2400	-0.1720	1 + 2	101.9
NR Bn66	2	0.857	0.0102	0.3300	-0.1730		

The Peak Location Separation Distance is computed by using the formula below:
 $SQRT((X1-X2)^2+(Y1-Y2)^2+(Z1-Z2)^2)$

Figure (146)

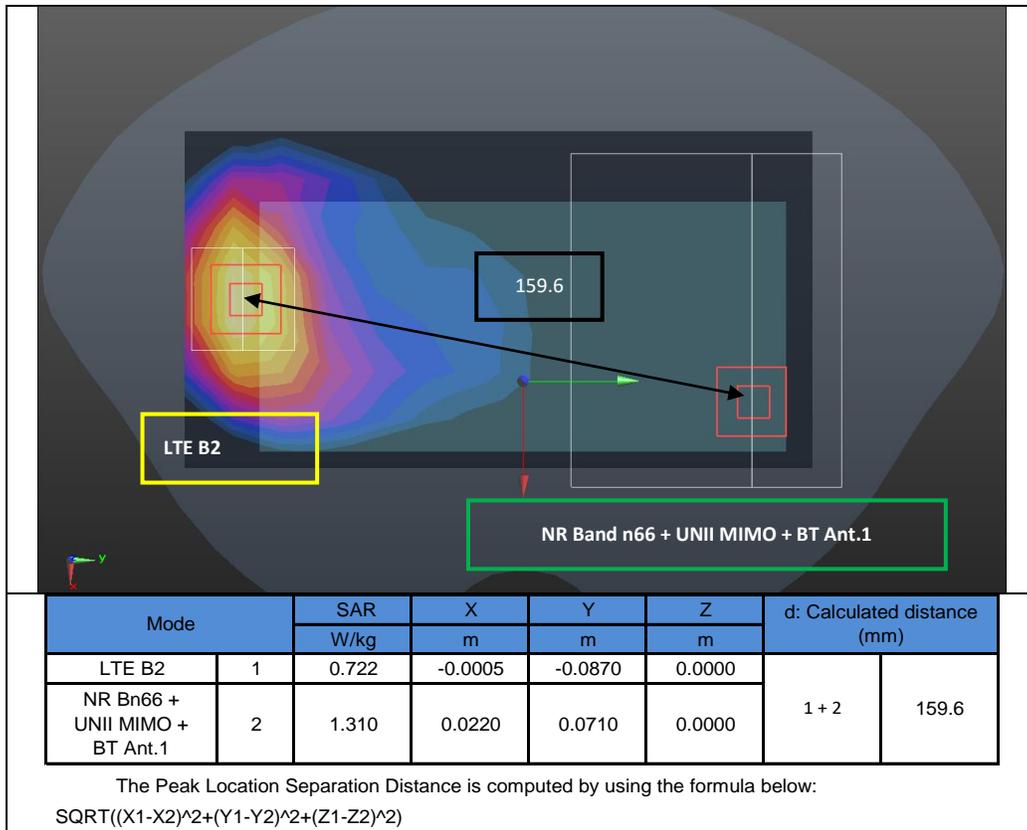


Figure (147)

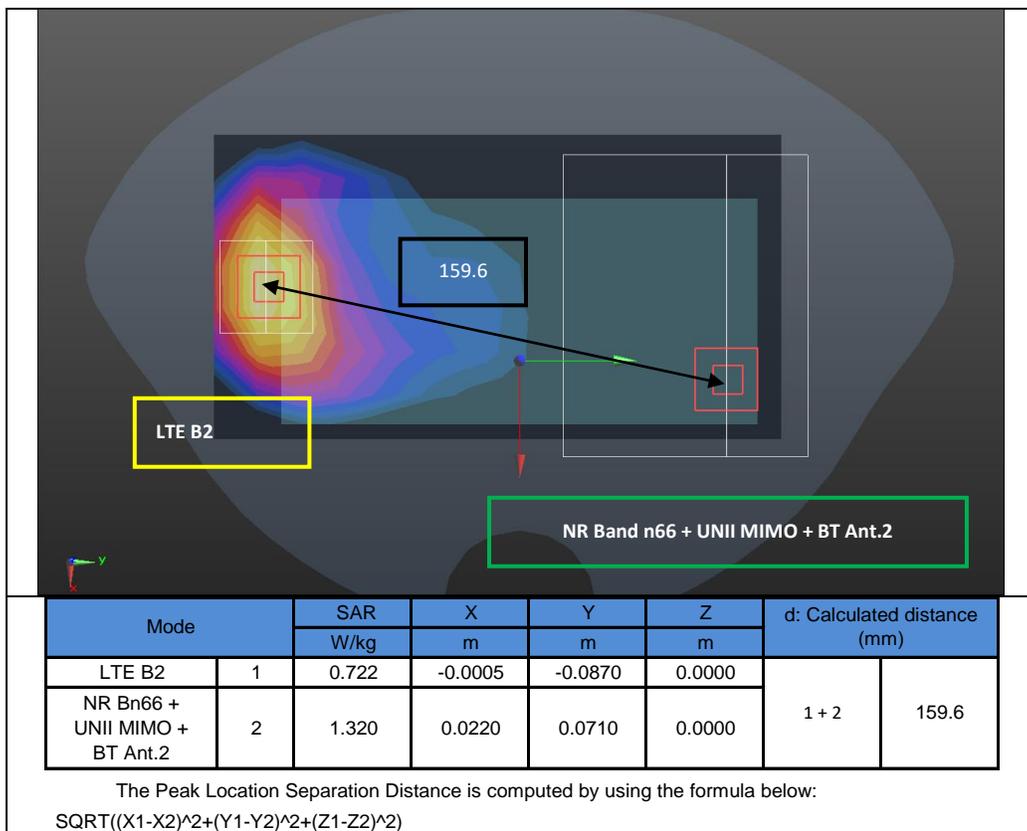


Figure (148)

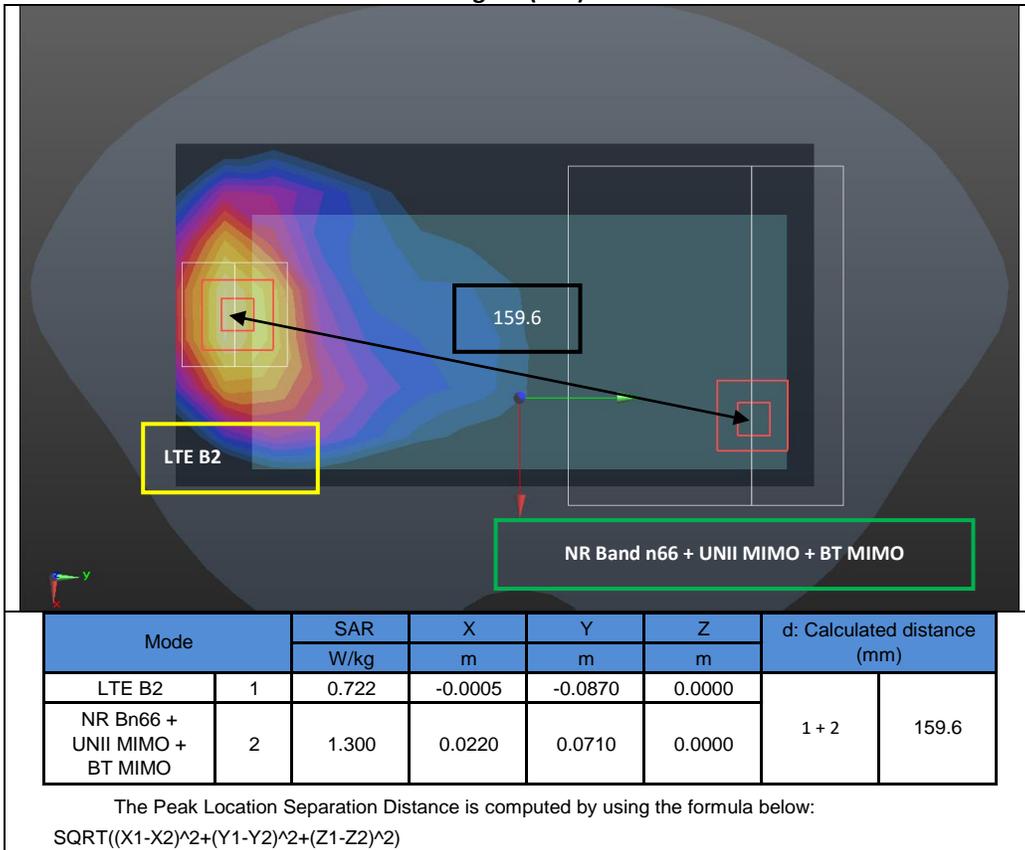


Figure (149)

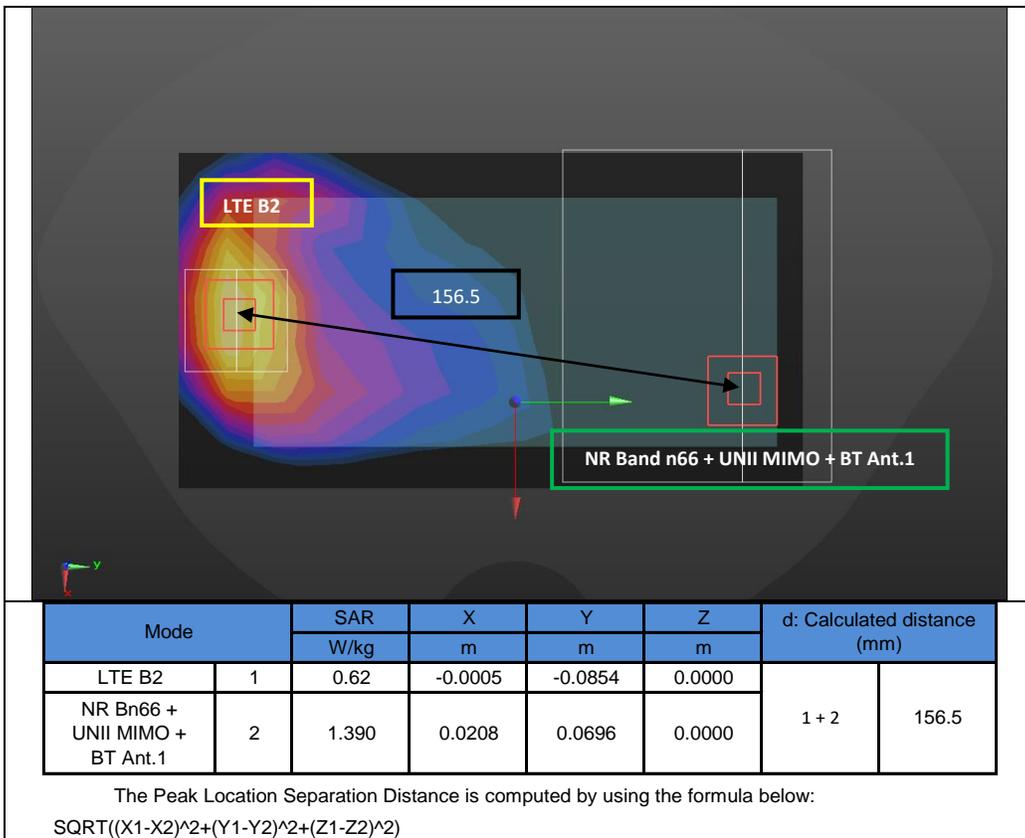


Figure (150)

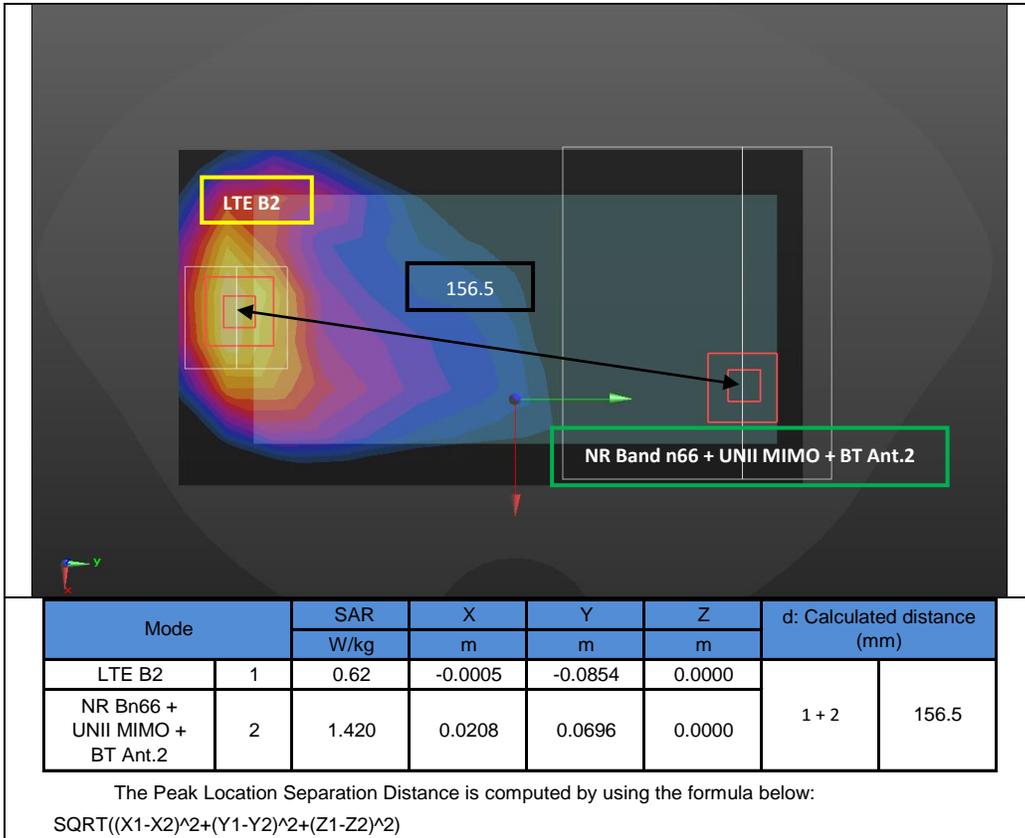


Figure (151)

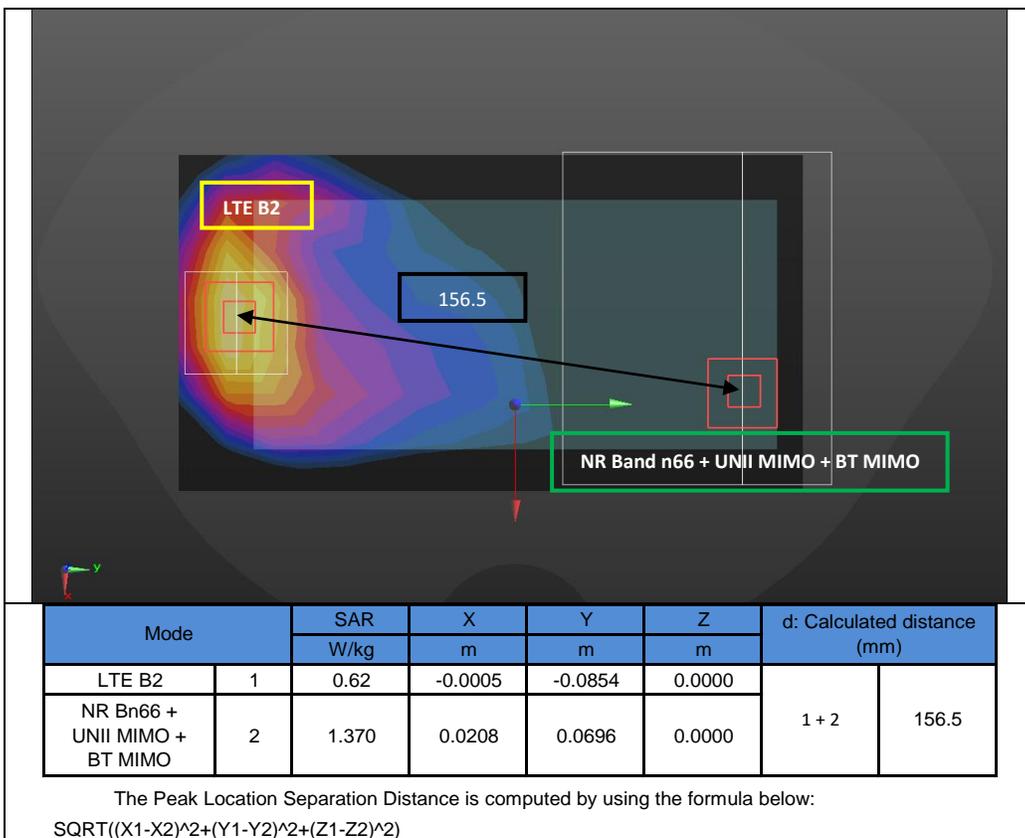


Figure (152)

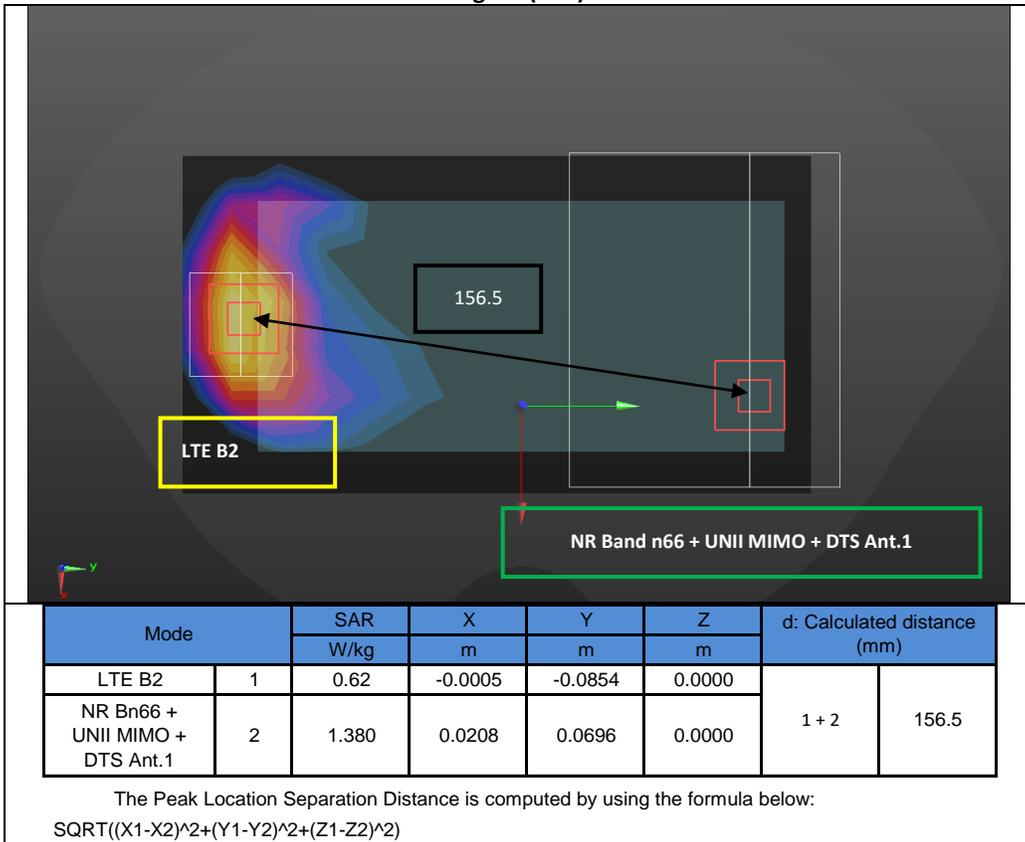


Figure (153)

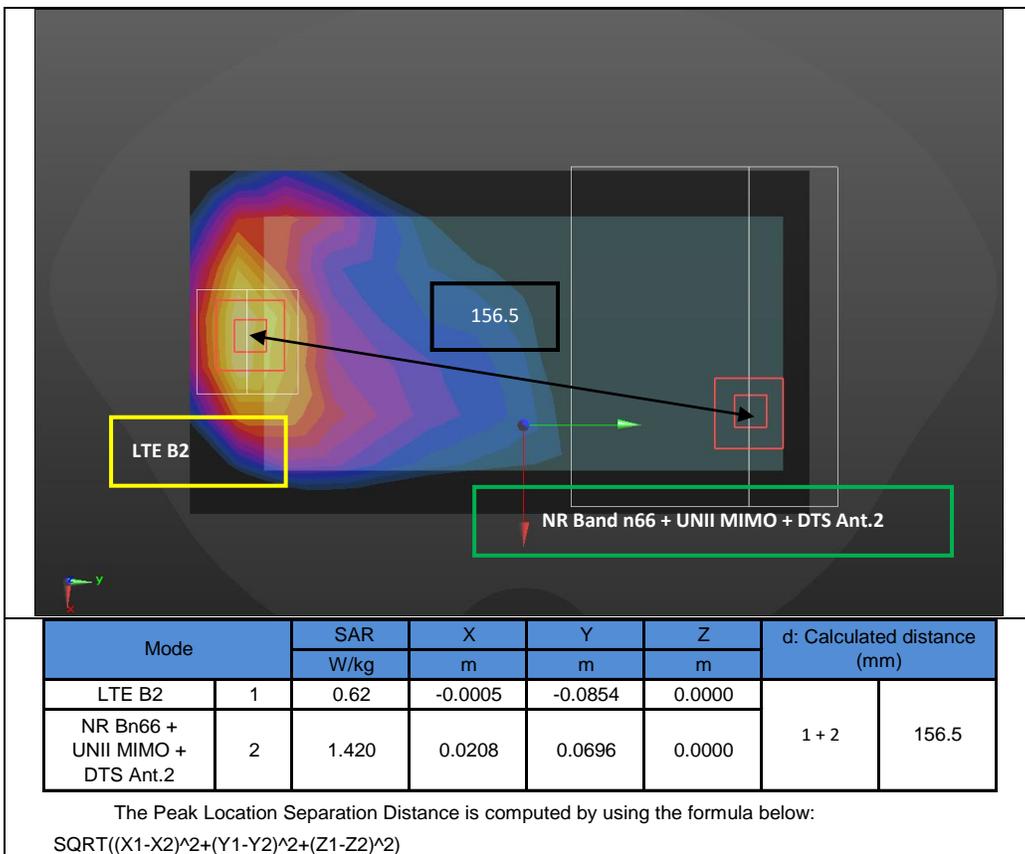


Figure (154)

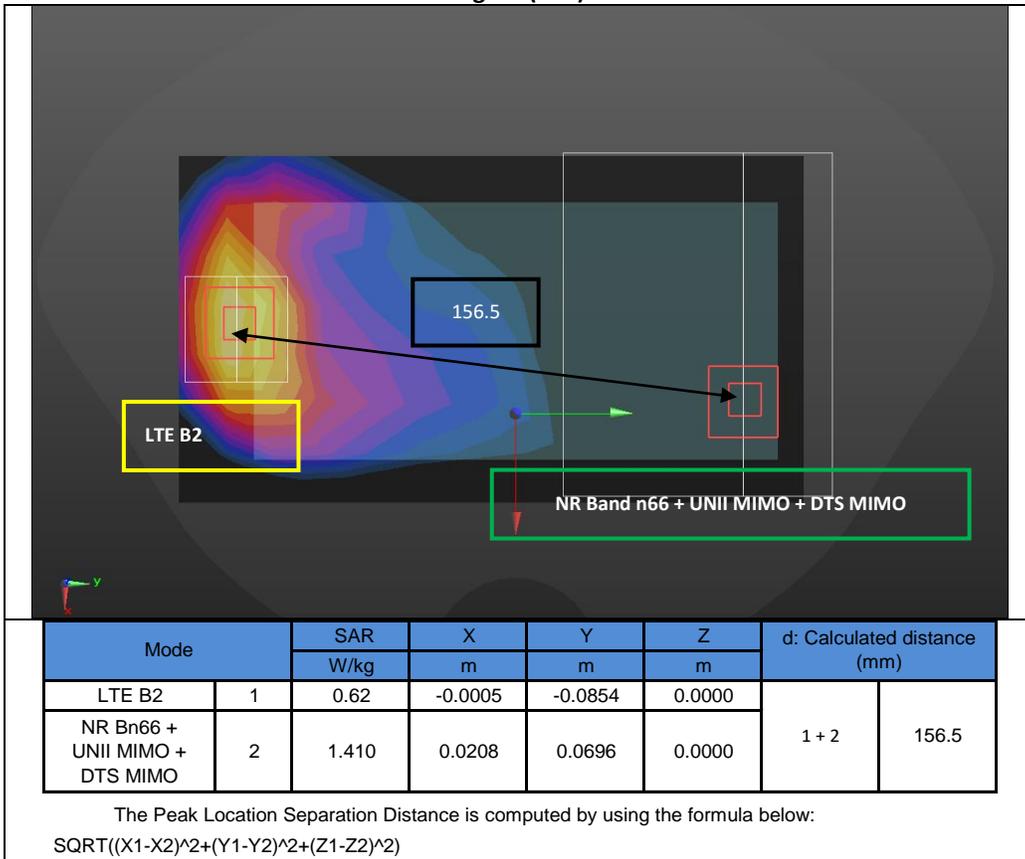


Figure (155)

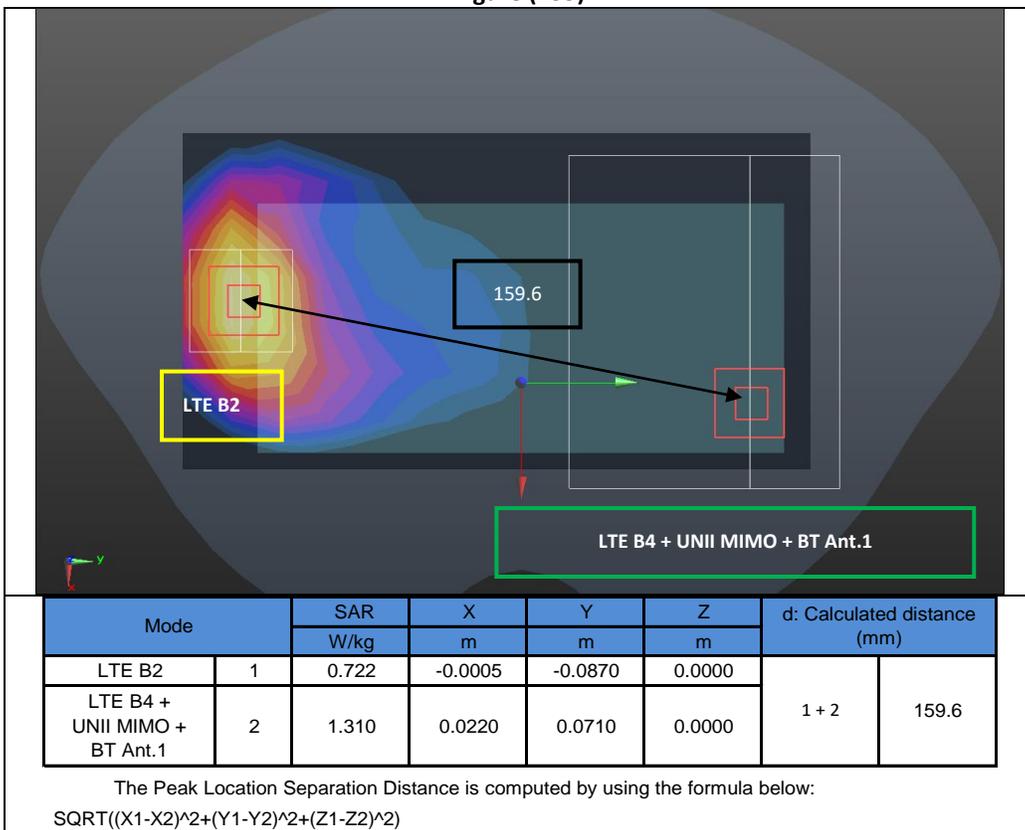


Figure (156)

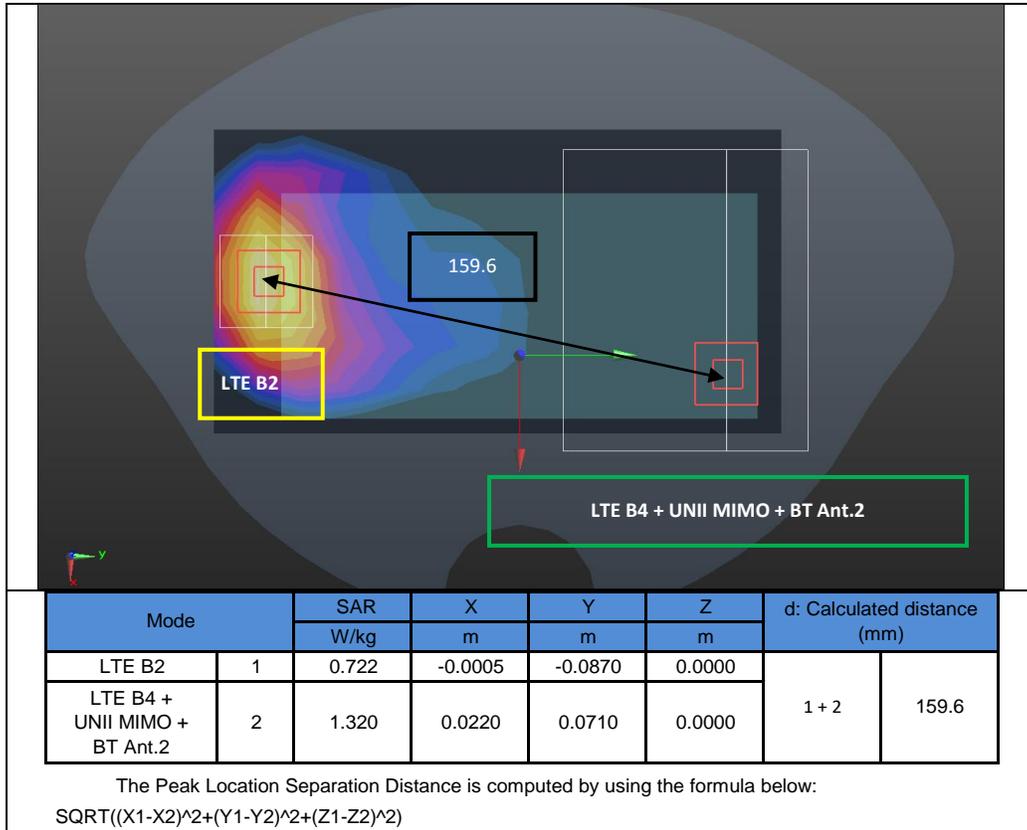


Figure (157)

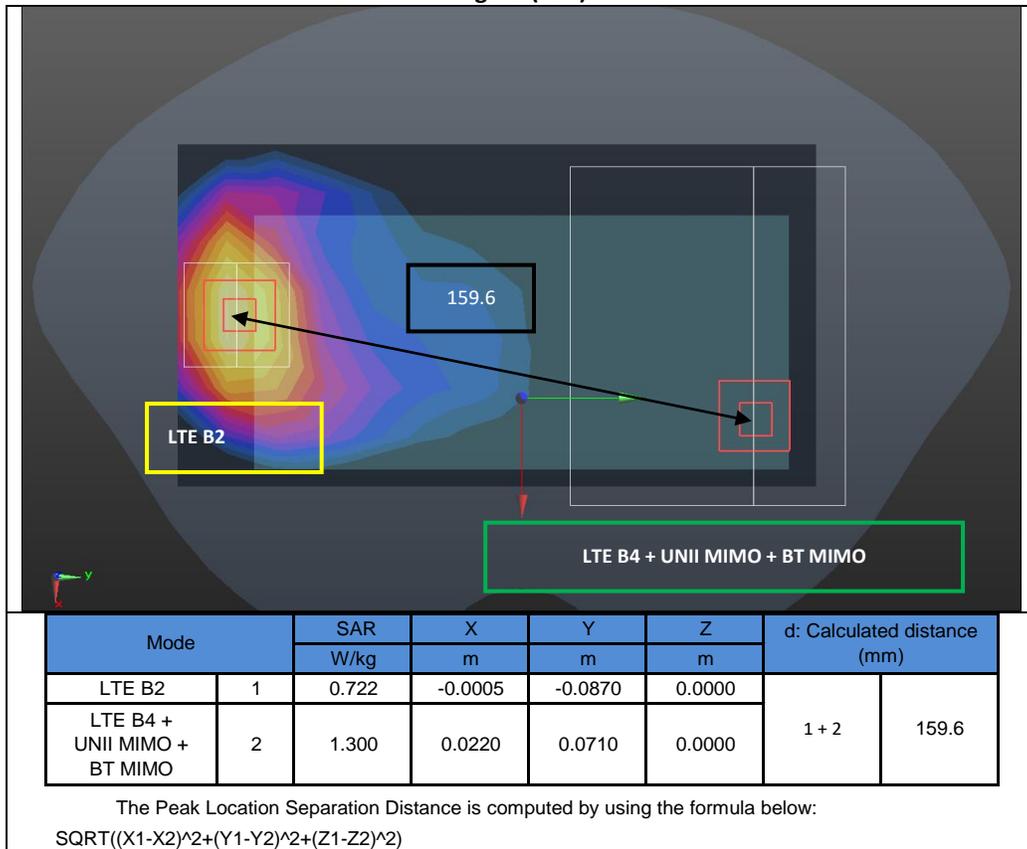


Figure (158)

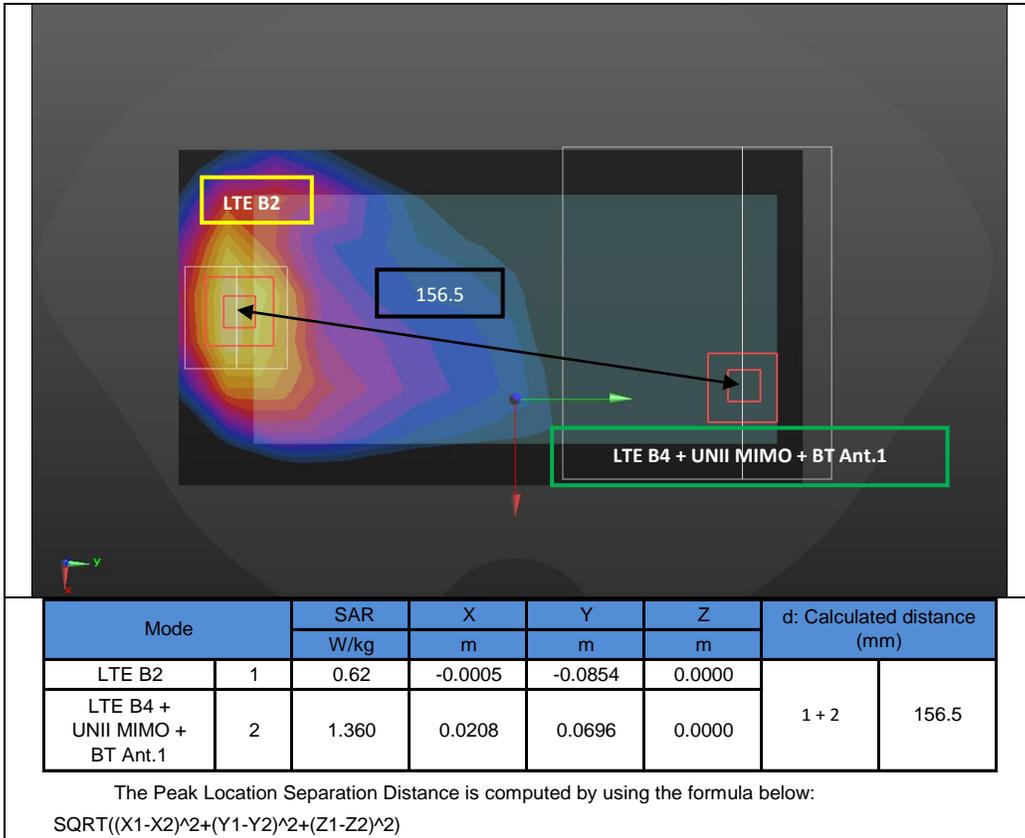


Figure (159)

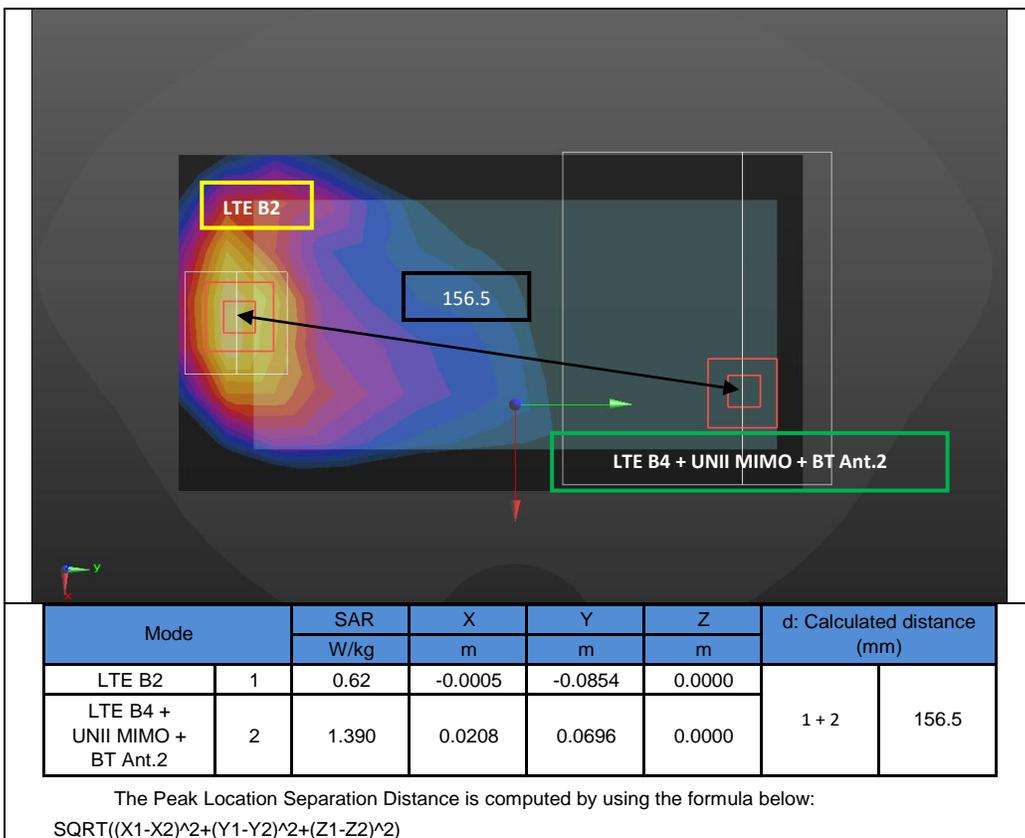


Figure (160)

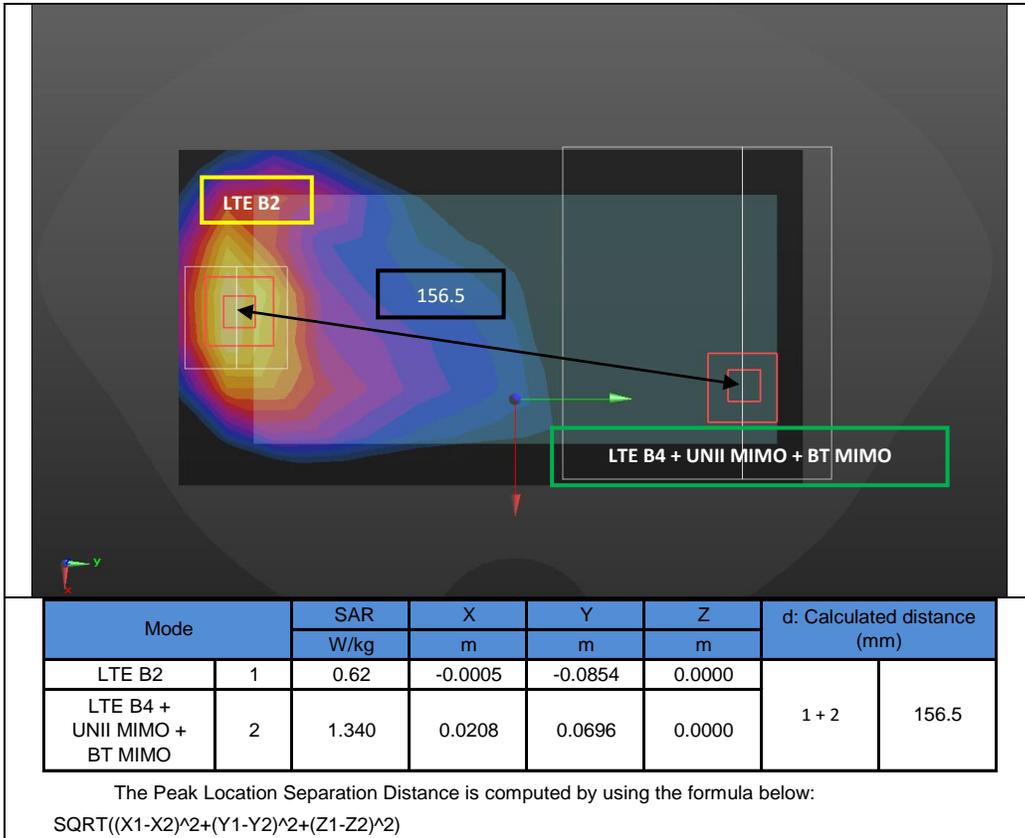


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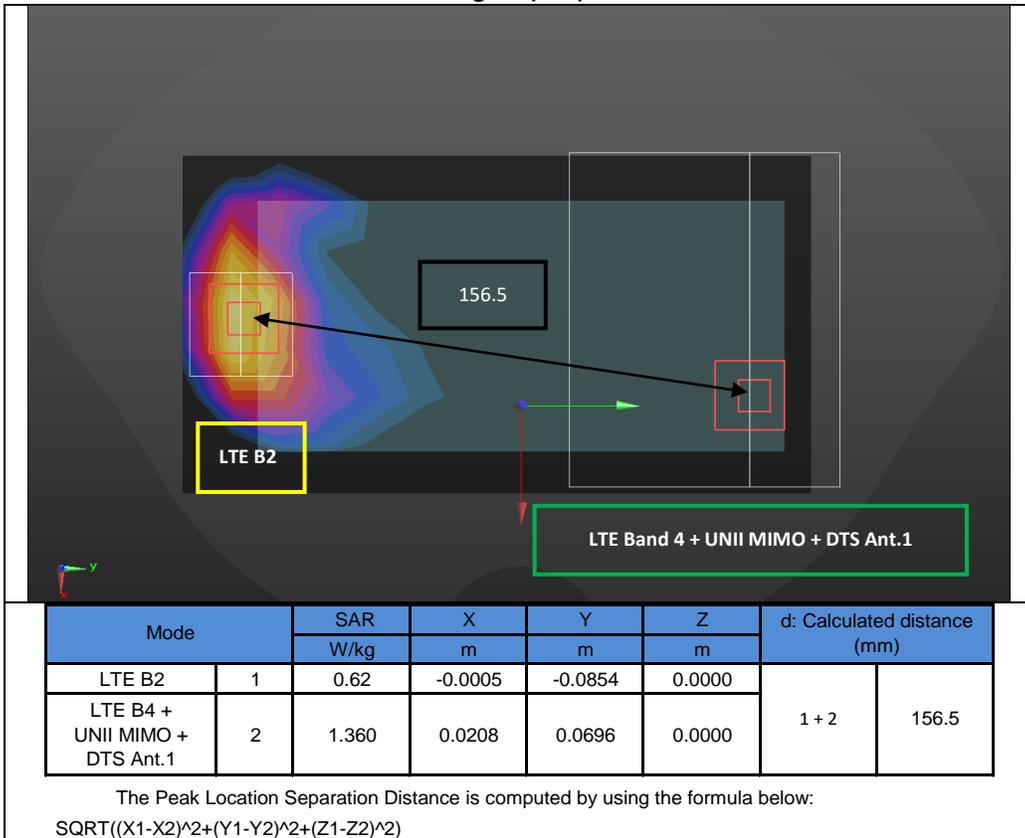


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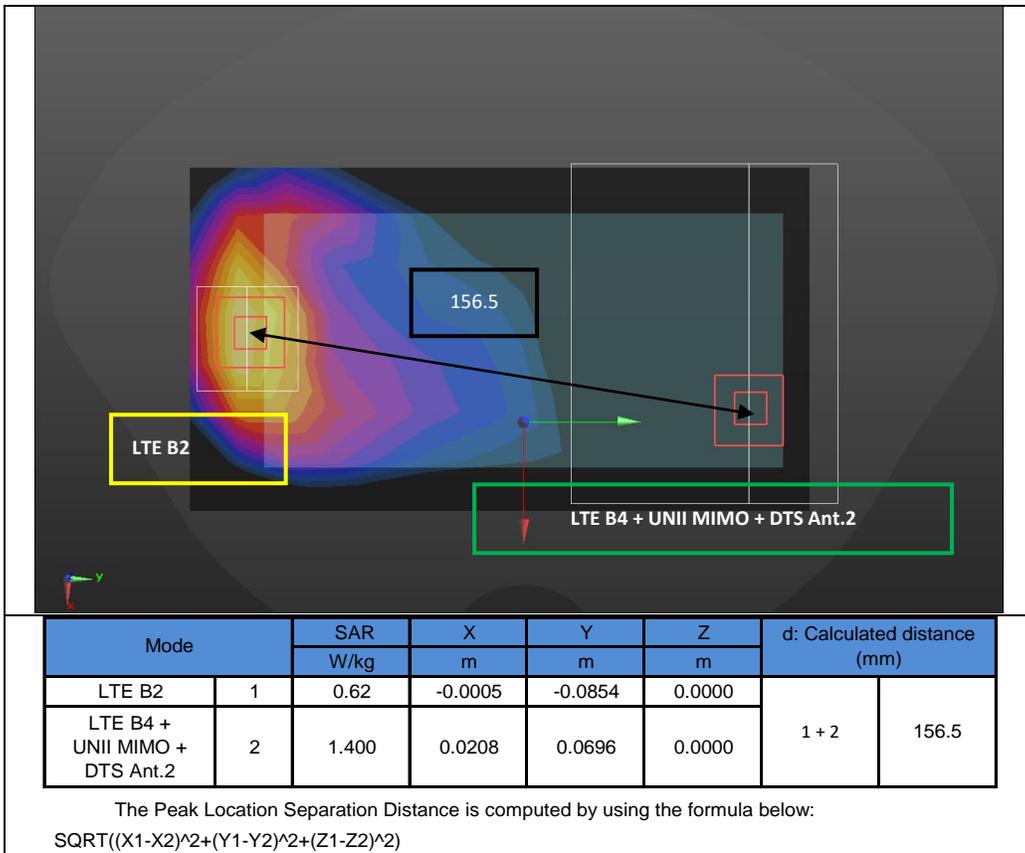


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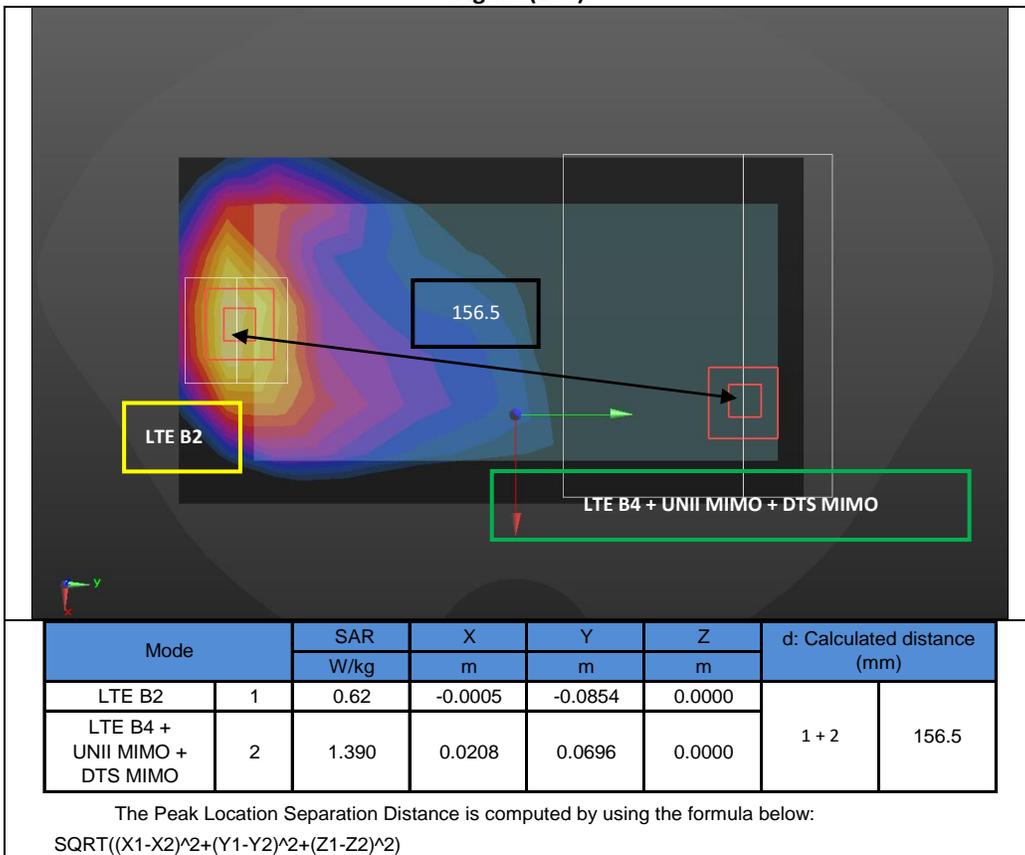


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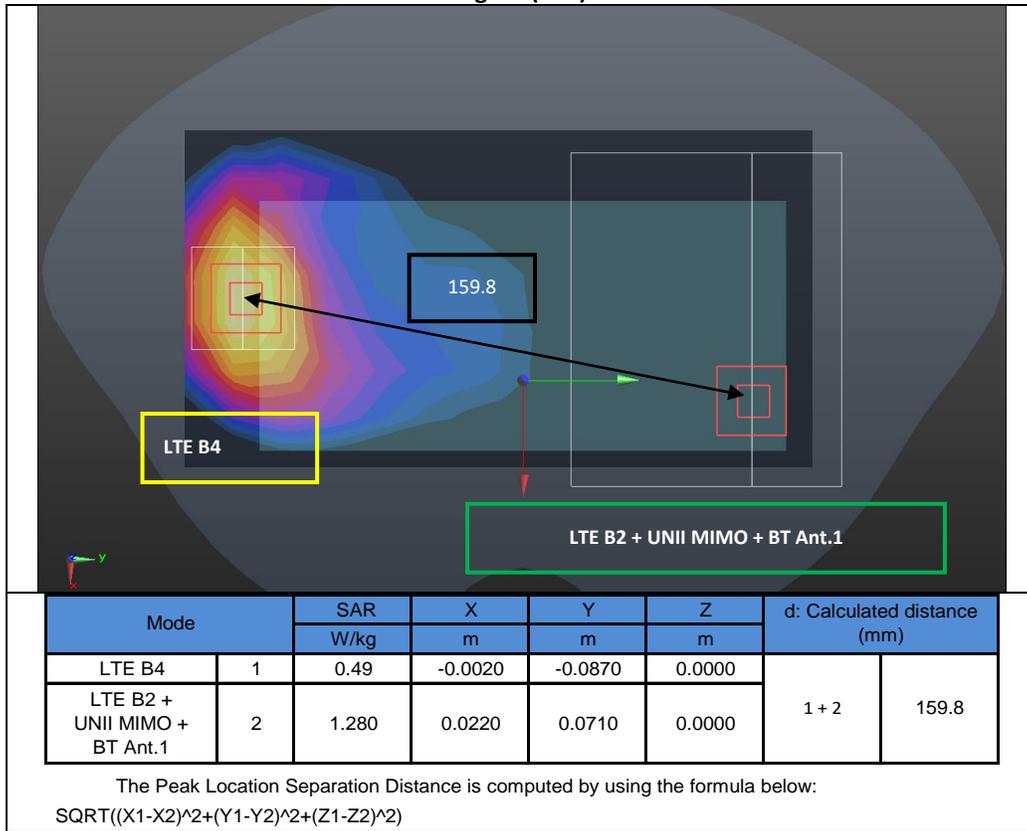


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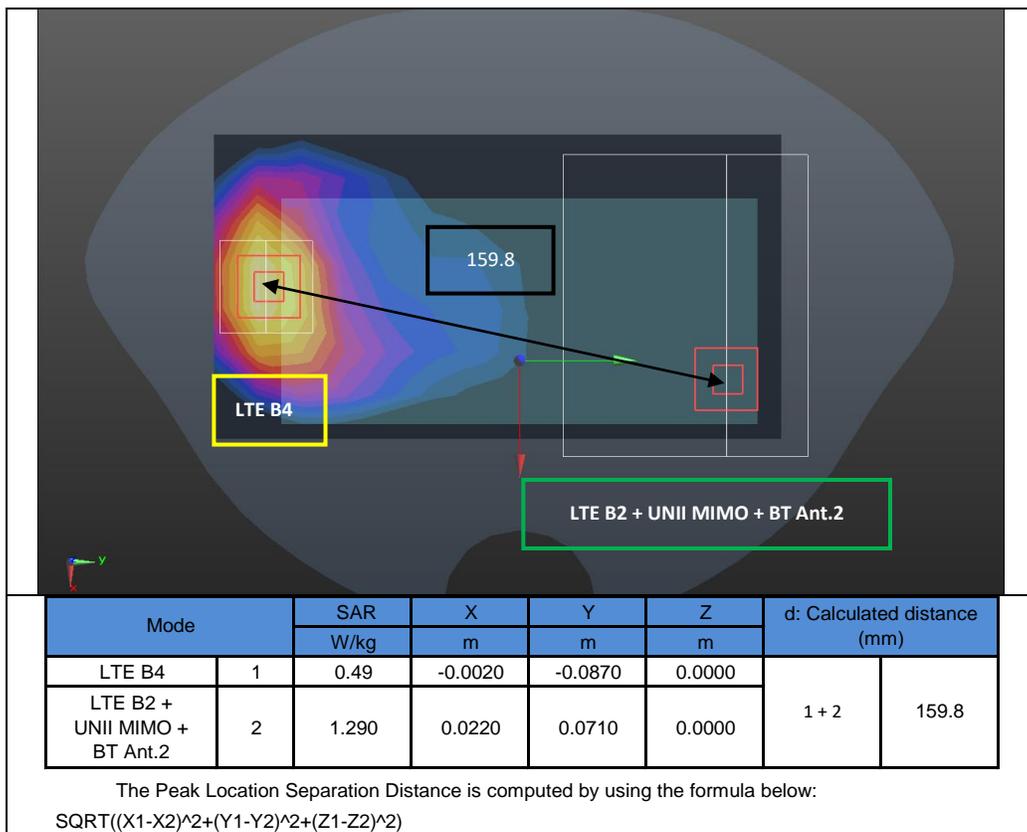


Figure (166)

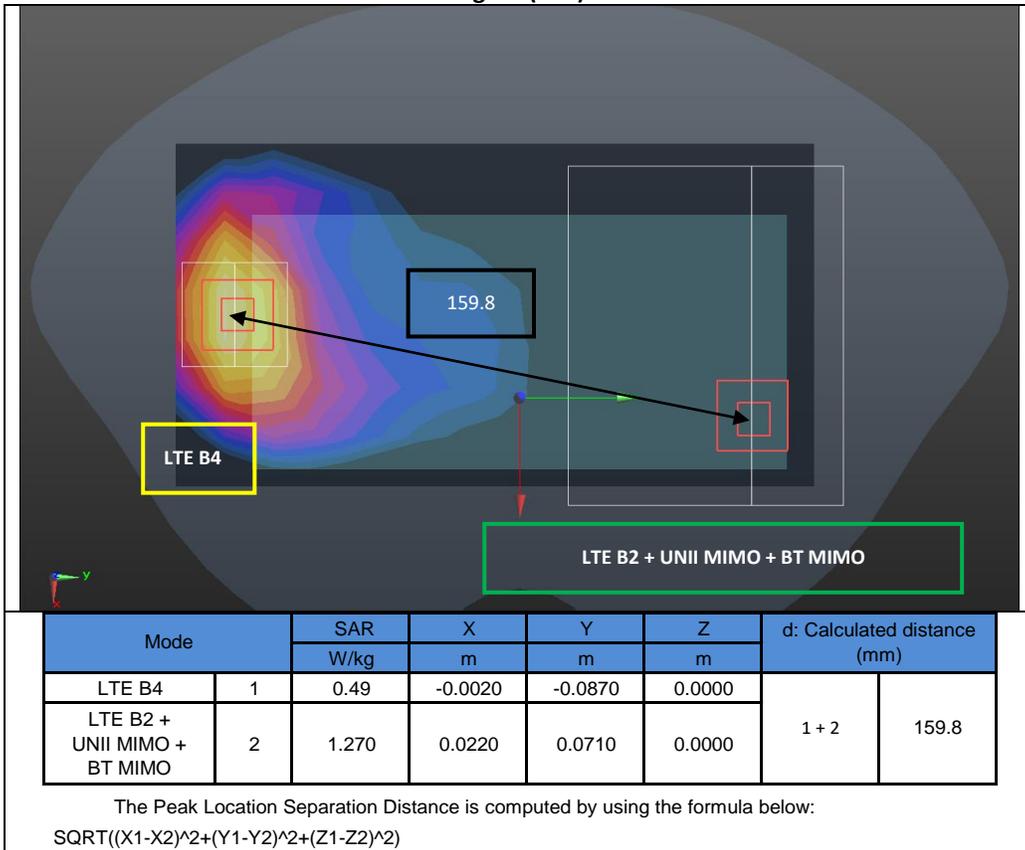


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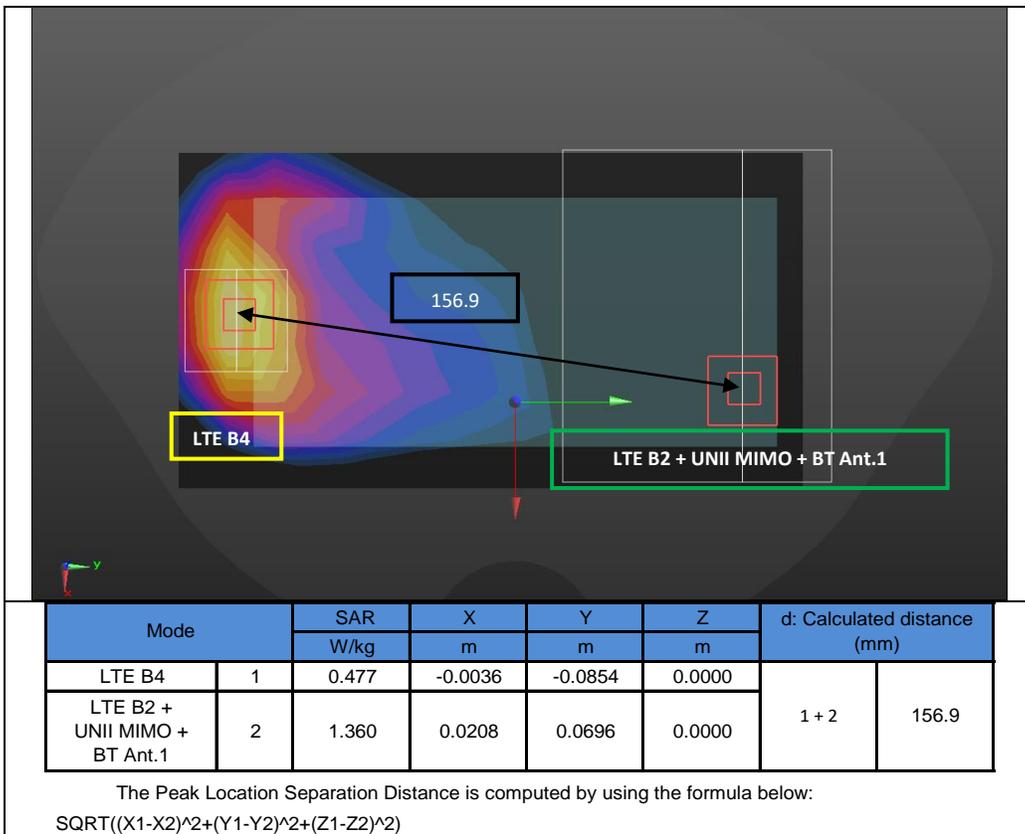


Figure (168)

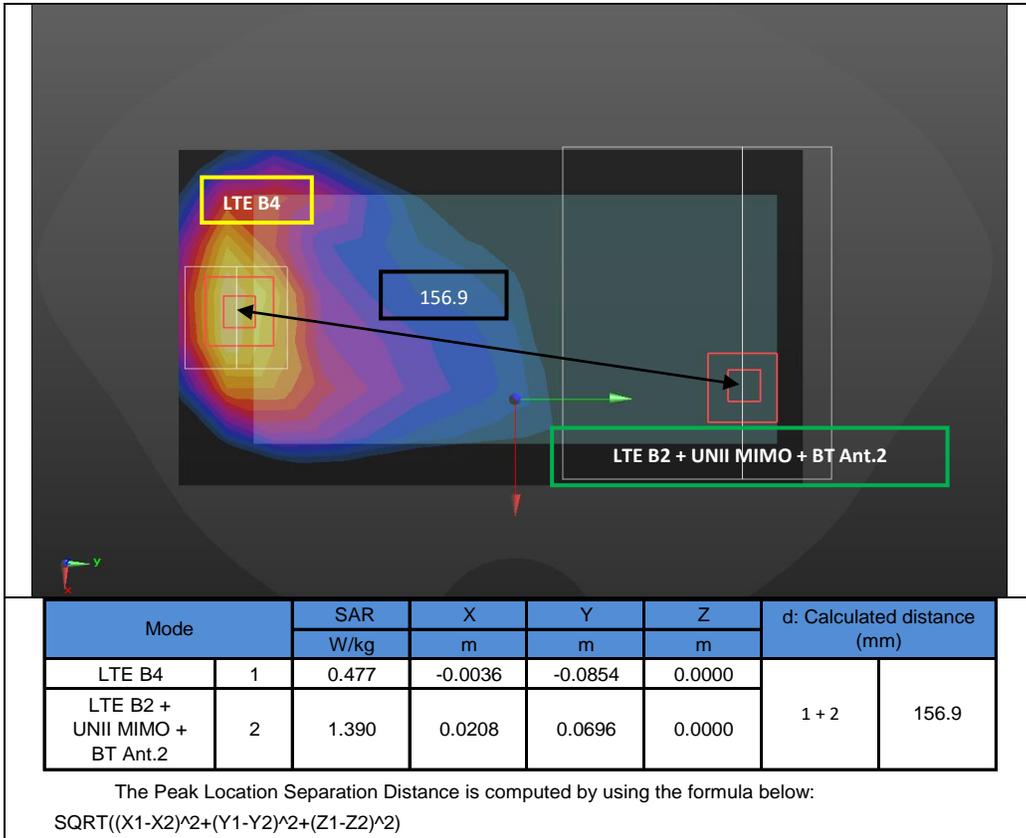


Figure (169)

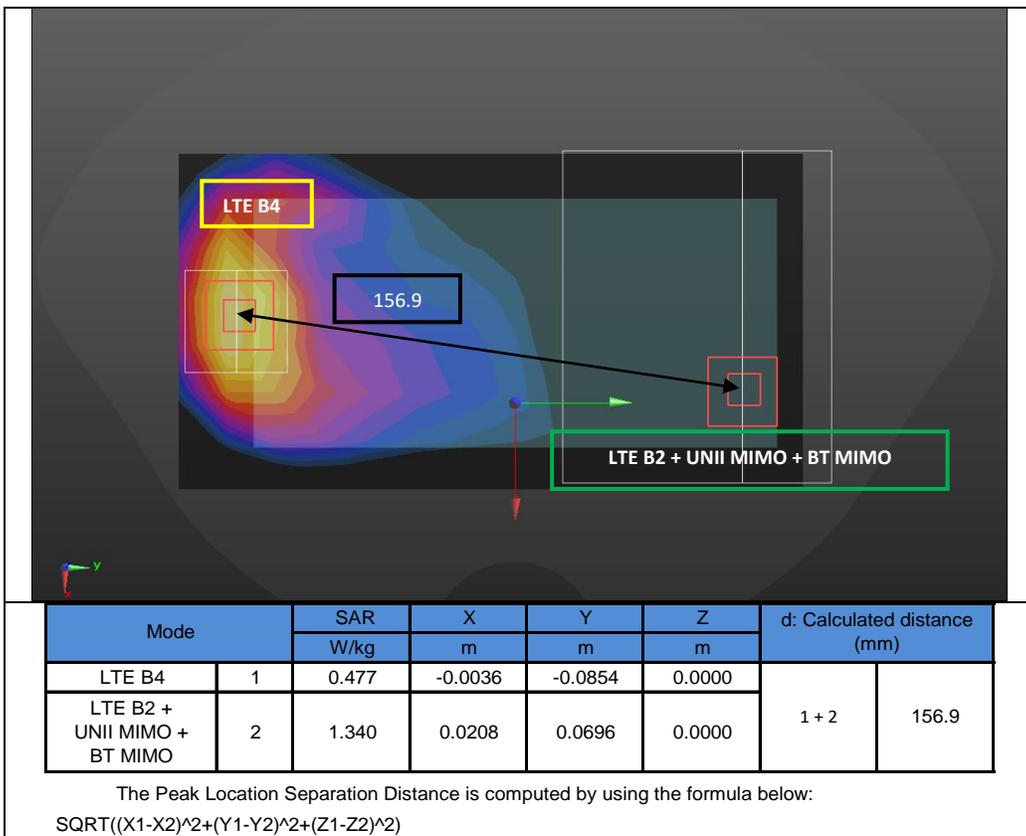


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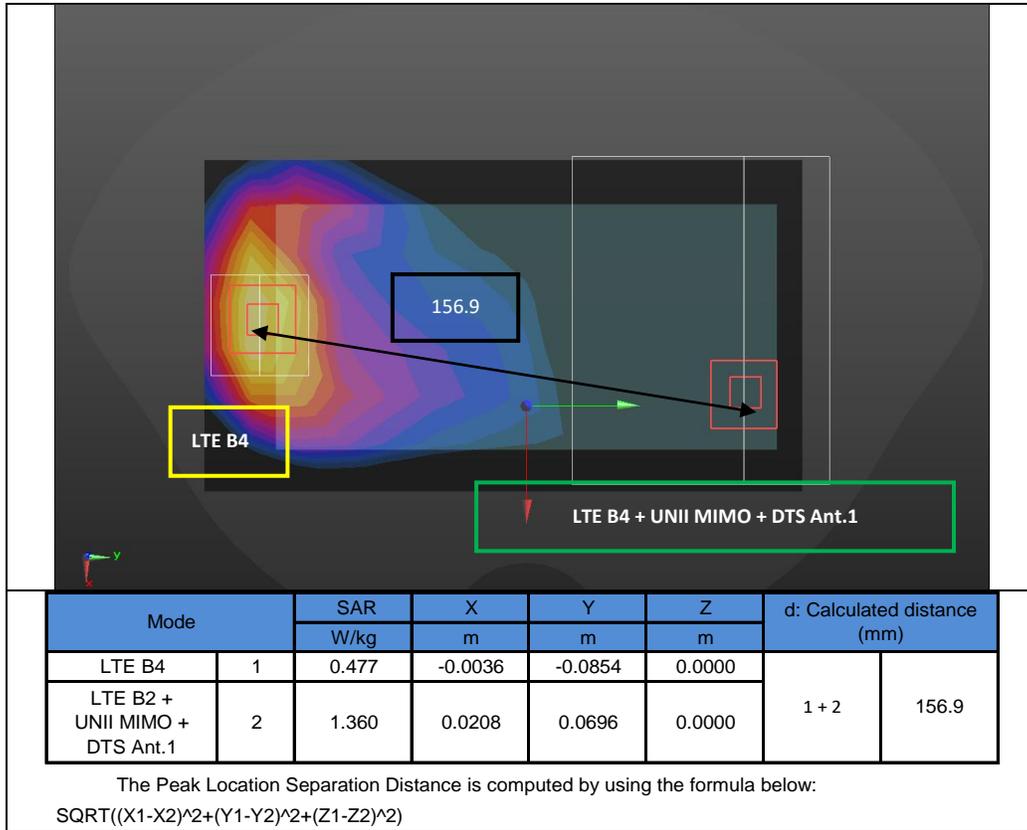


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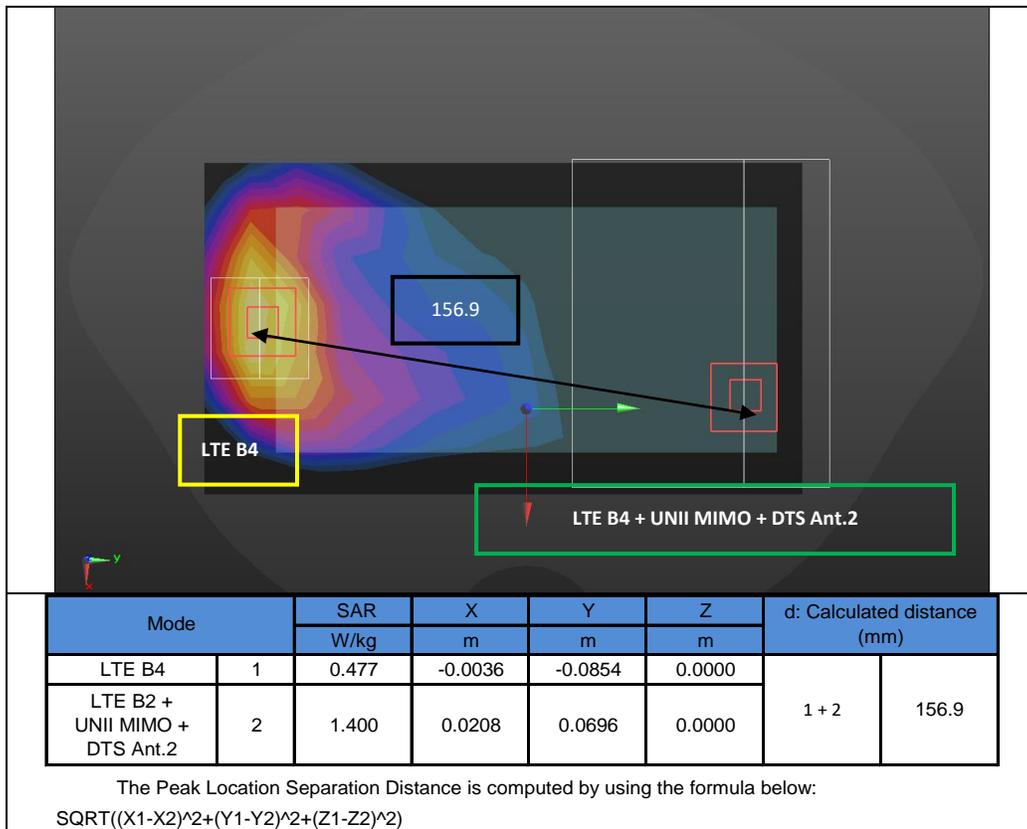


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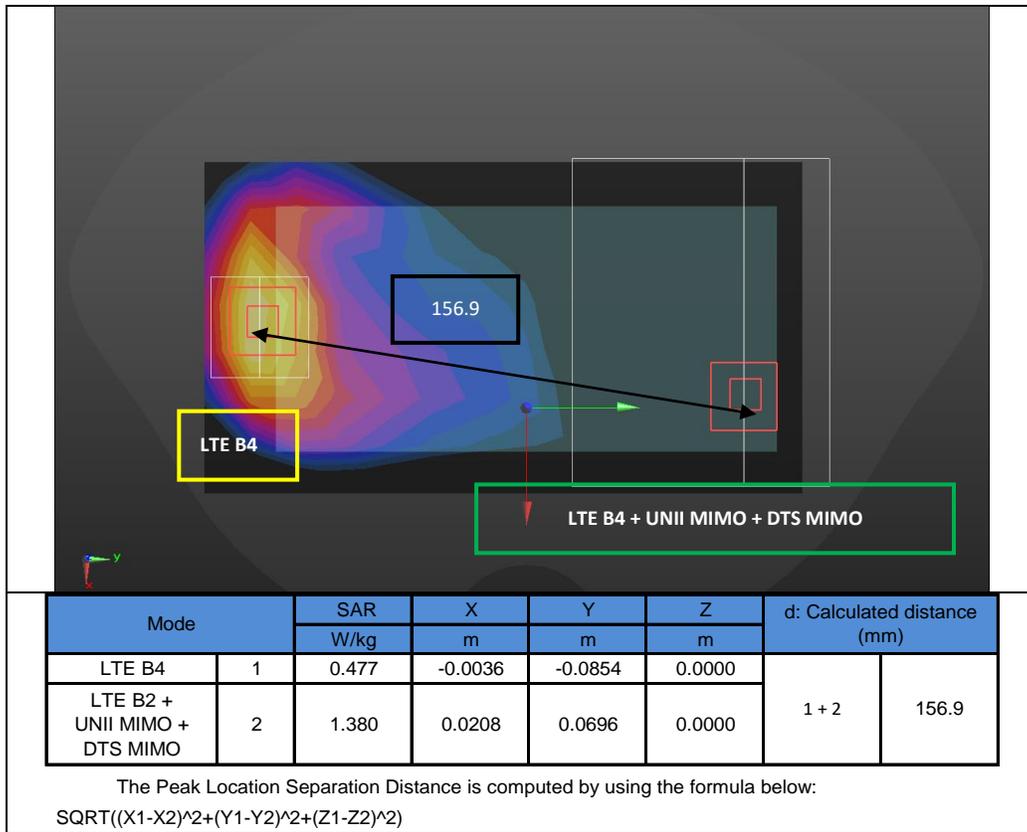


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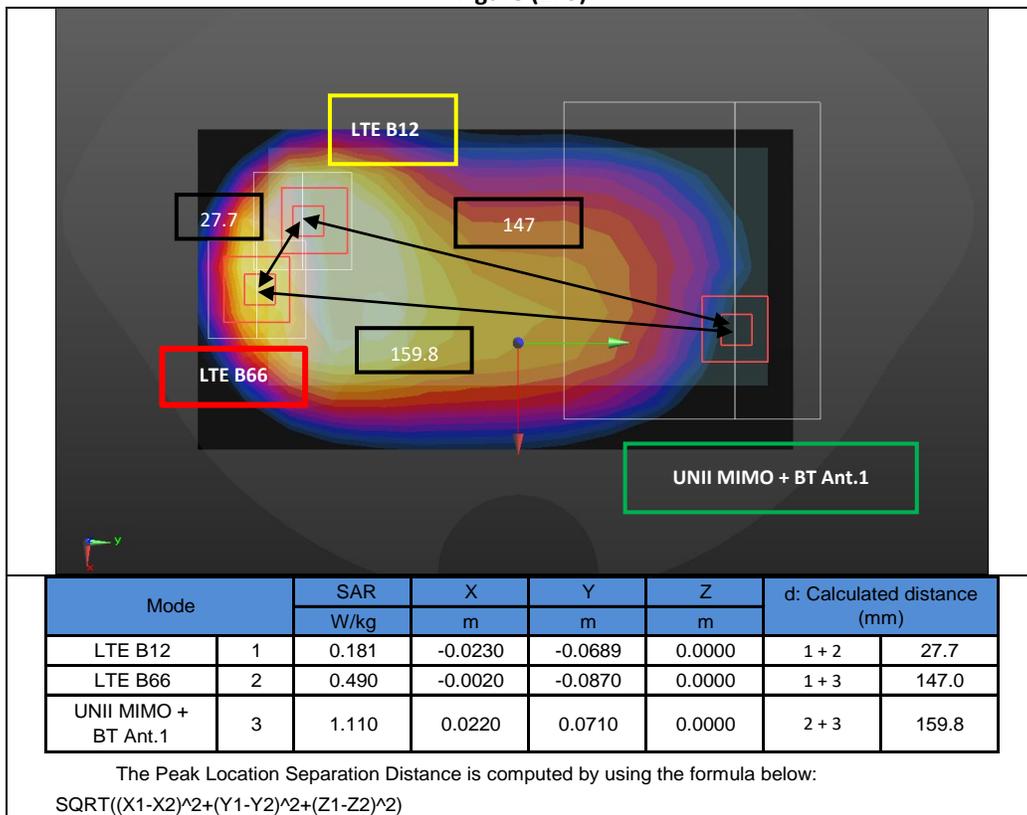


Figure (174)

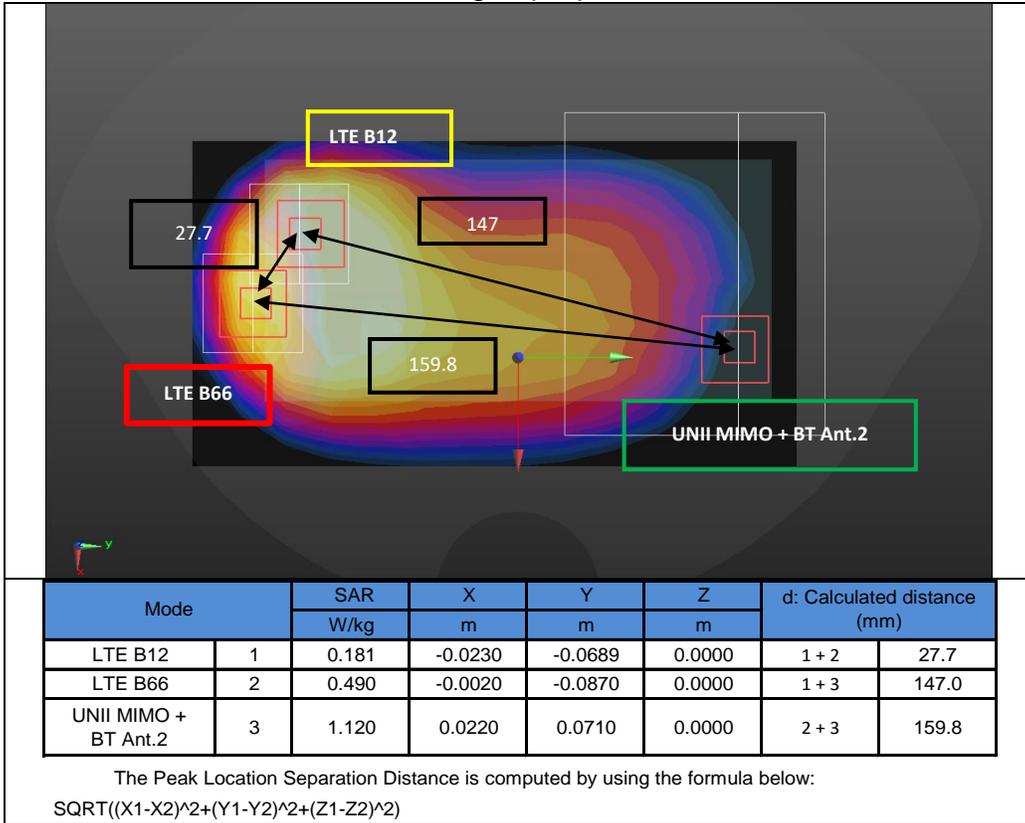


Figure (175)

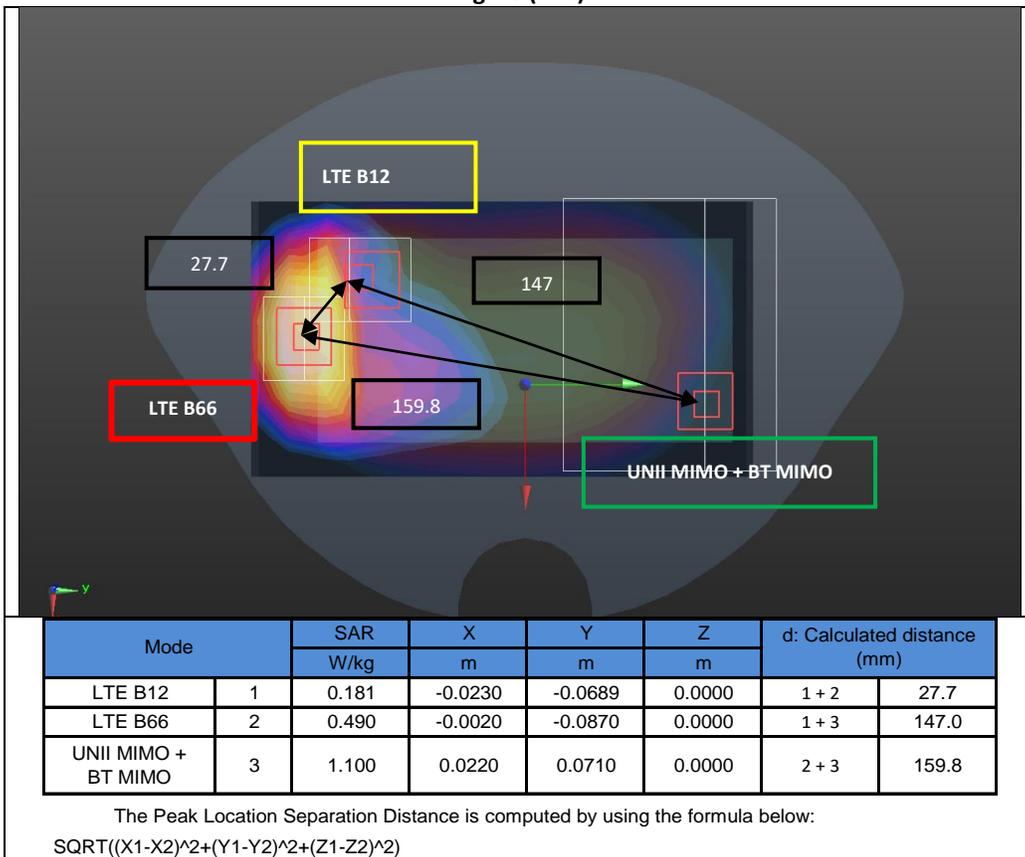
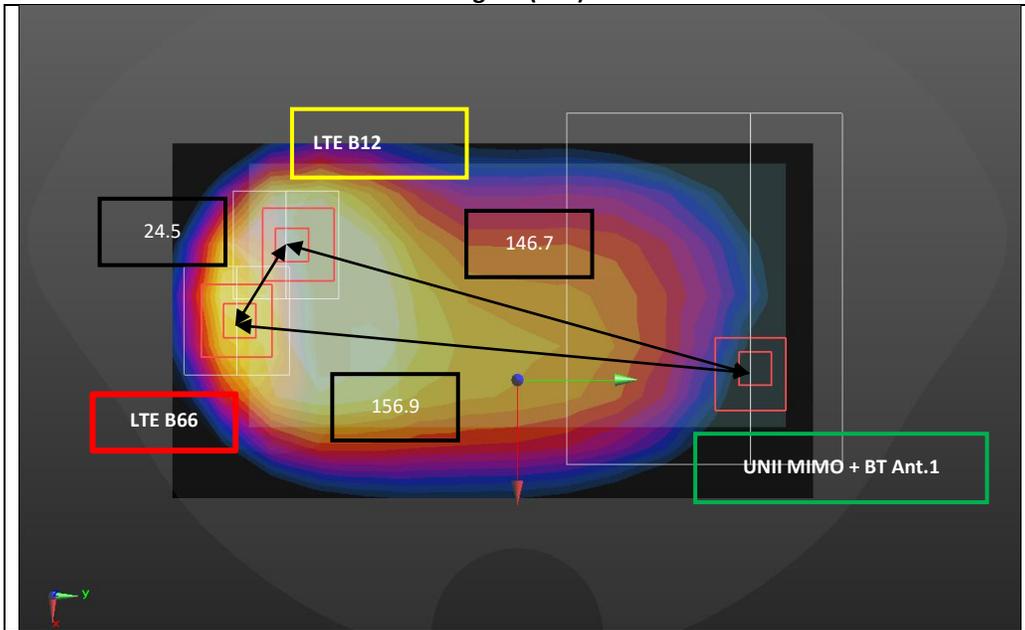


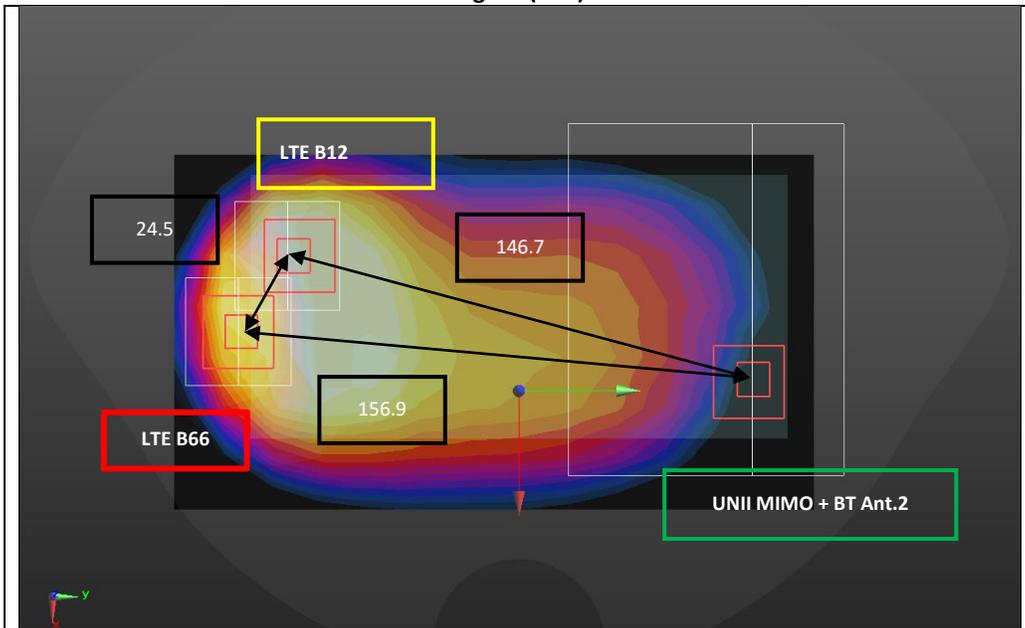
Figure (176)



Mode		SAR	X	Y	Z	d: Calculated distance (mm)	
		W/kg	m	m	m		
LTE B12	1	0.335	-0.0230	-0.0704	0.0000	1 + 2	24.5
LTE B66	2	0.477	-0.0036	-0.0854	0.0000	1 + 3	146.7
UNII MIMO + BT Ant.1	3	1.270	0.0208	0.0696	0.0000	2 + 3	156.9

The Peak Location Separation Distance is computed by using the formula below:
 $SQRT((X1-X2)^2+(Y1-Y2)^2+(Z1-Z2)^2)$

Figure (177)



Mode		SAR	X	Y	Z	d: Calculated distance (mm)	
		W/kg	m	m	m		
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LTE B66	2	0.477	-0.0036	-0.0854	0.0000	1 + 3	146.7
UNII MIMO + BT Ant.2	3	1.300	0.0208	0.0696	0.0000	2 + 3	156.9

The Peak Location Separation Distance is computed by using the formula below:
 $SQRT((X1-X2)^2+(Y1-Y2)^2+(Z1-Z2)^2)$

Figure (178)

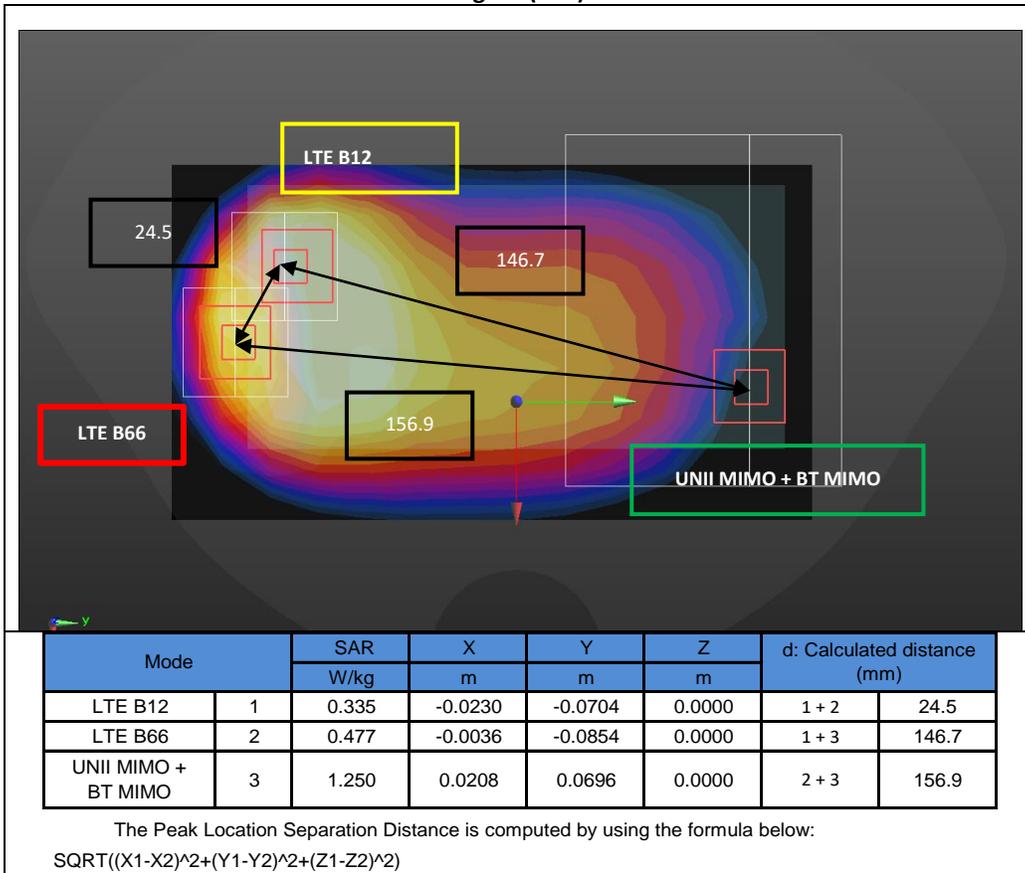


Figure (179)

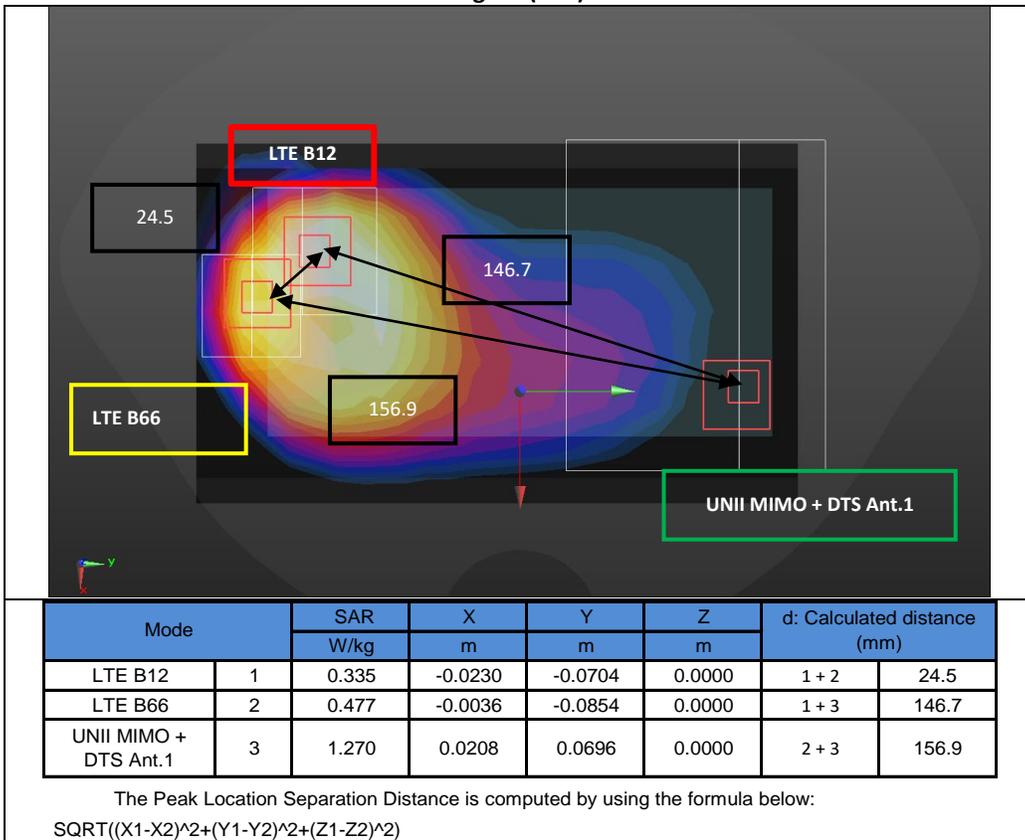


Figure (180)

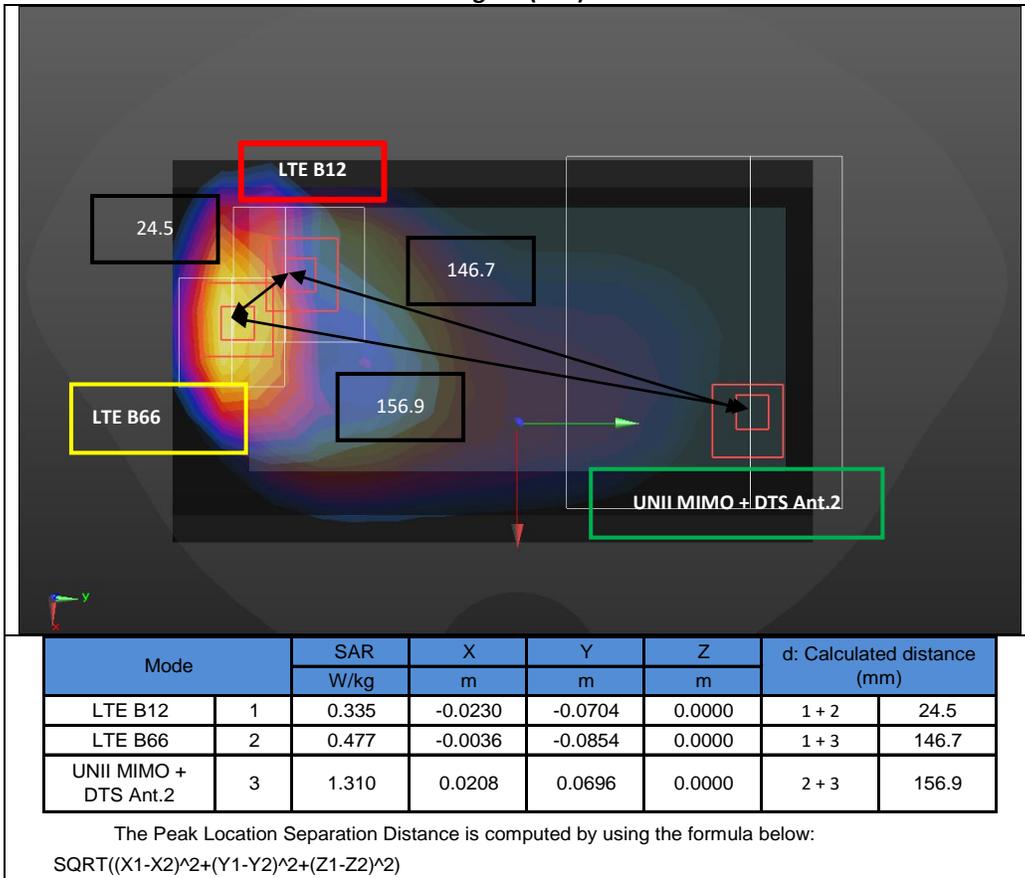


Figure (181)

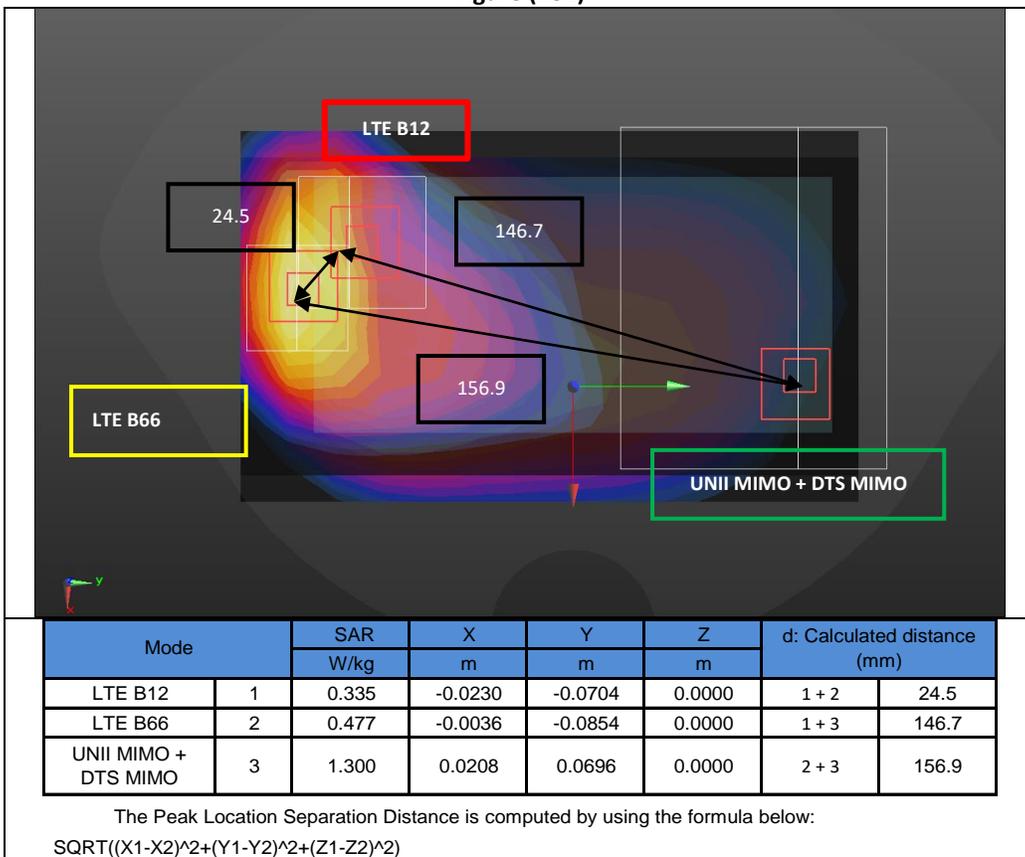


Figure (182)

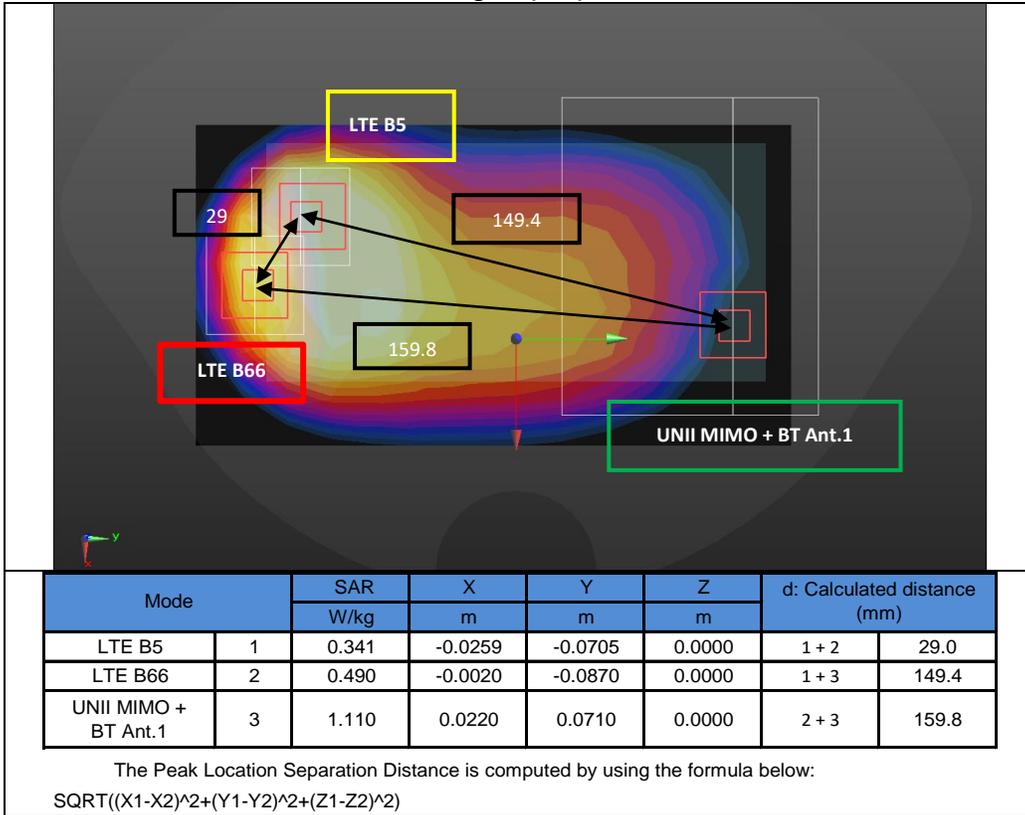


Figure (183)

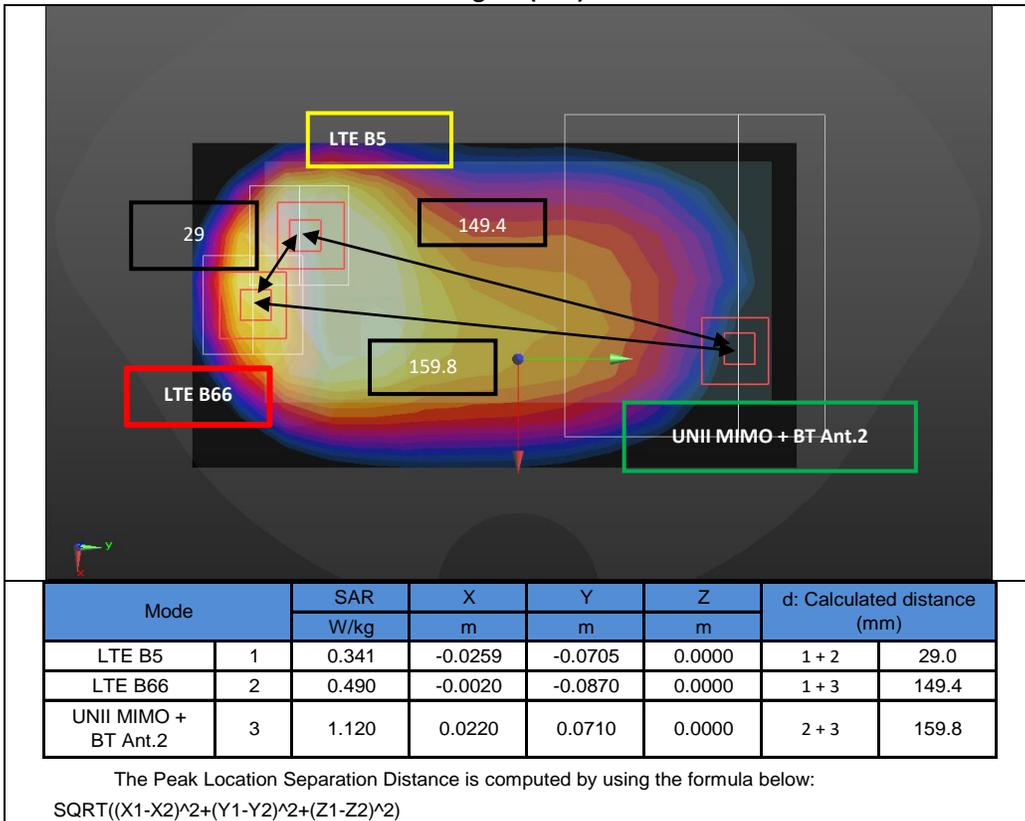


Figure (184)

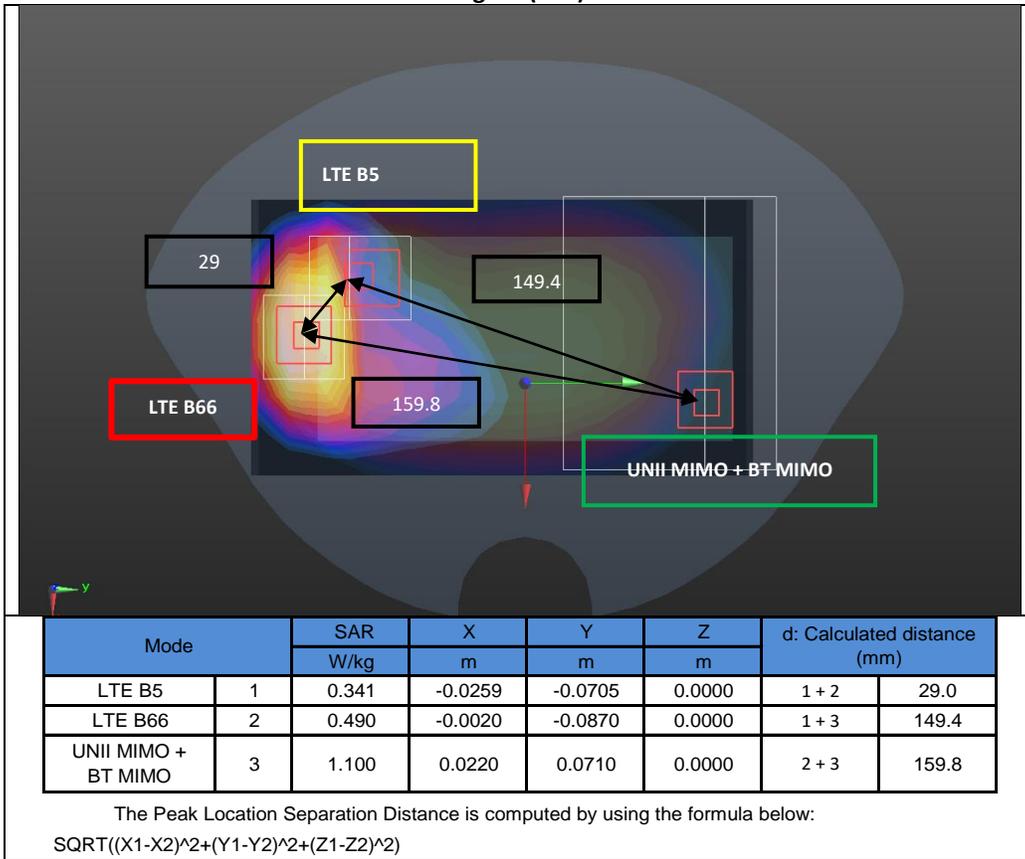


Figure (185)

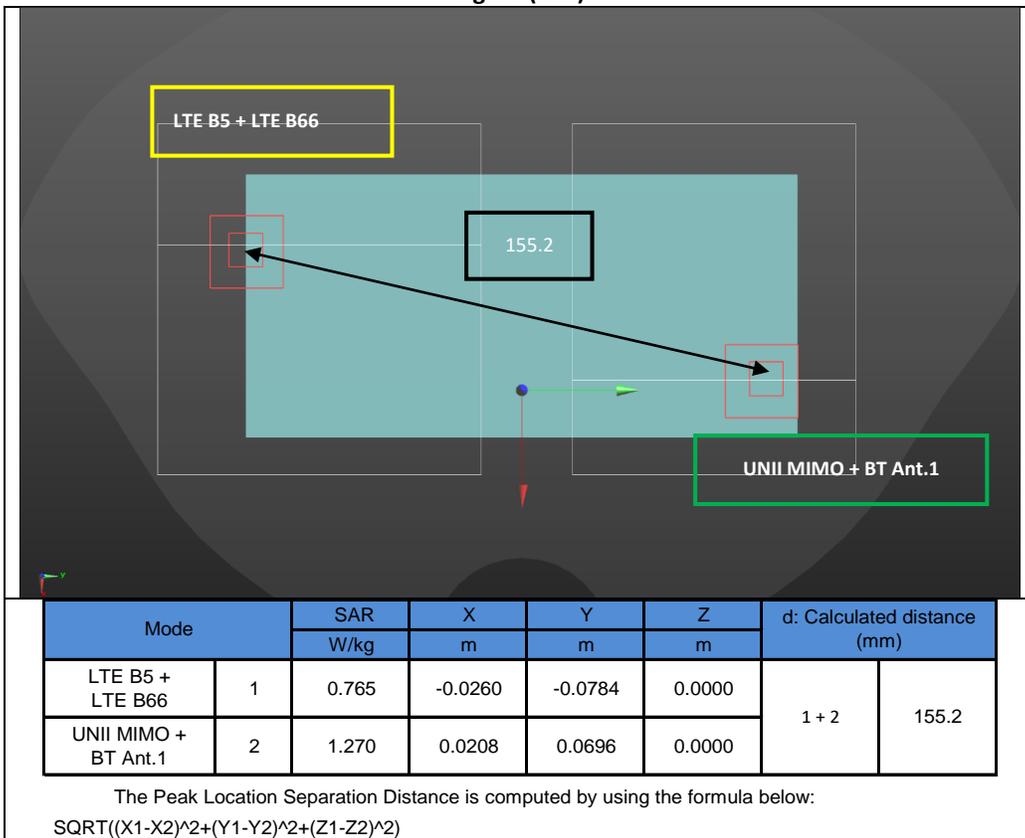


Figure (186)

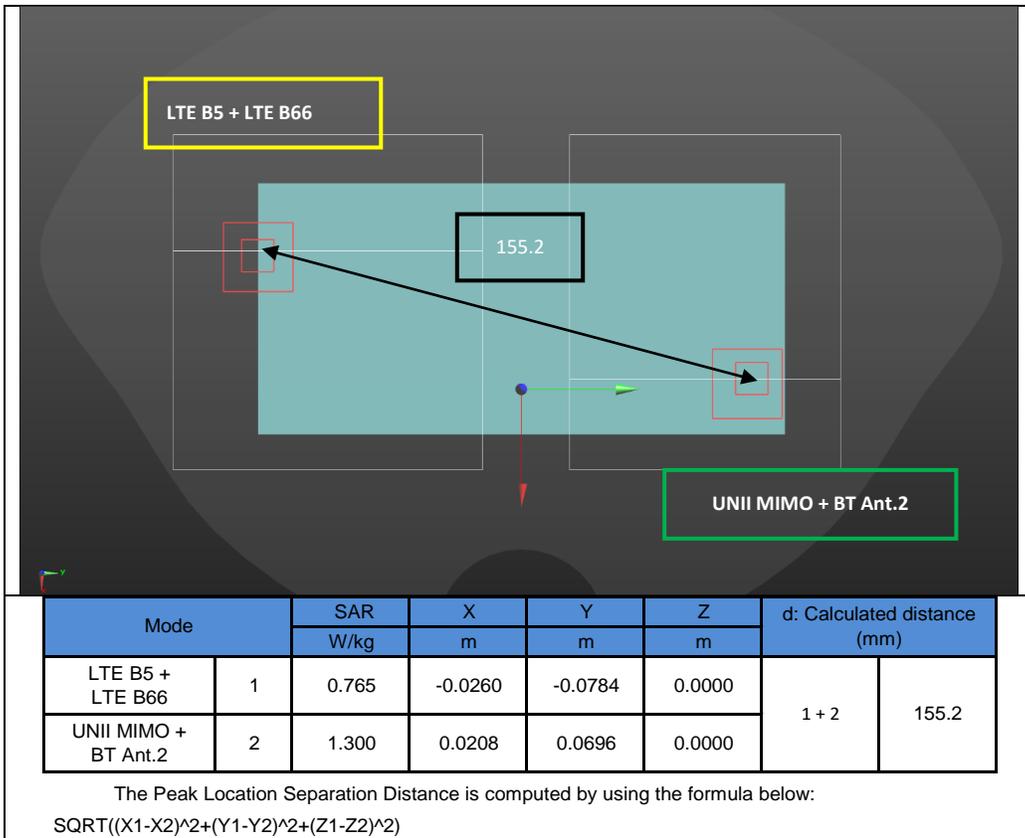


Figure (187)

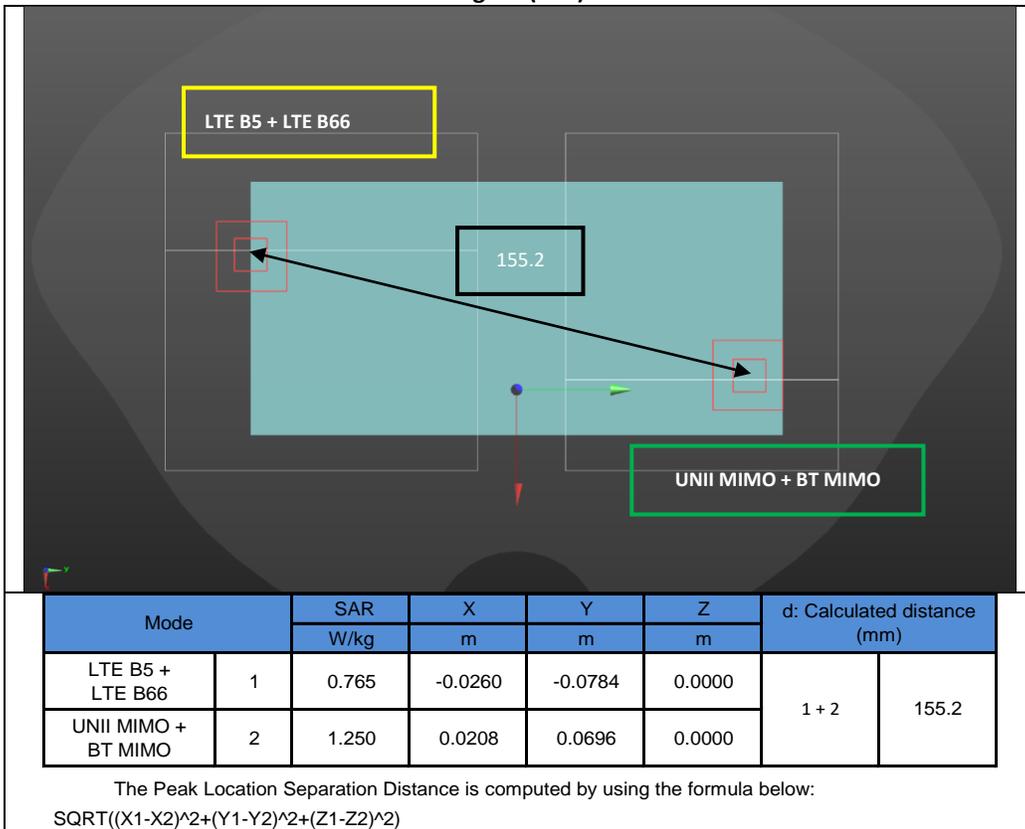


Figure (188)

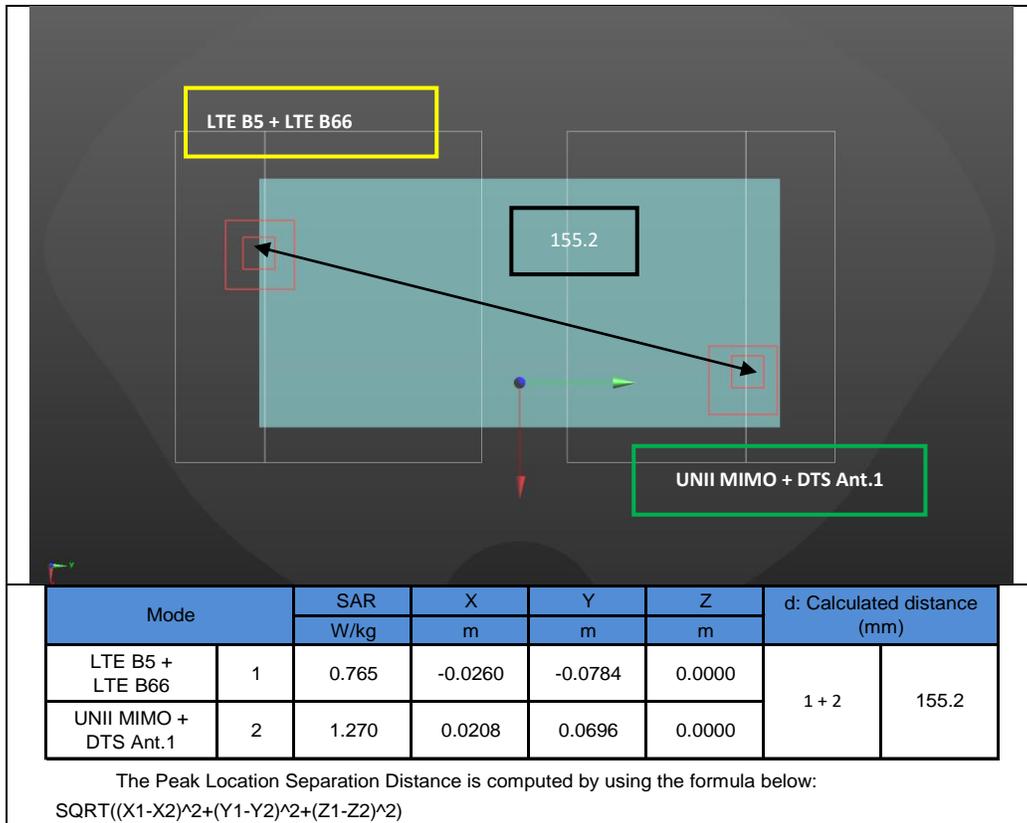


Figure (189)

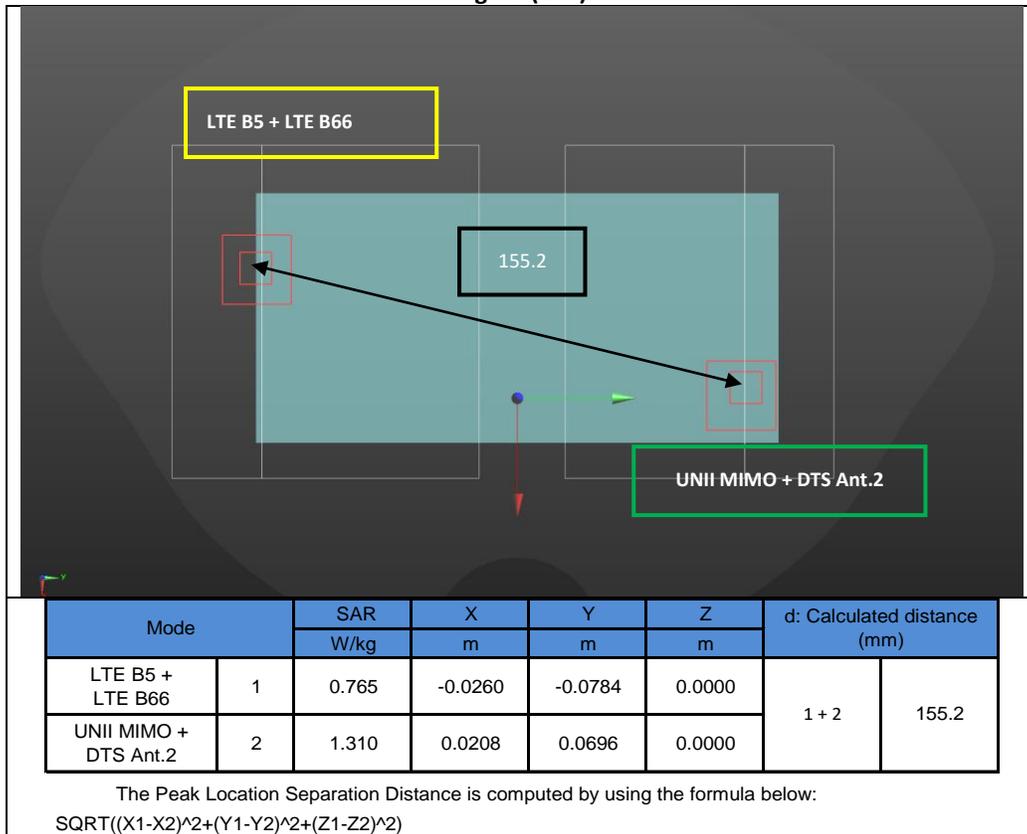


Figure (190)

