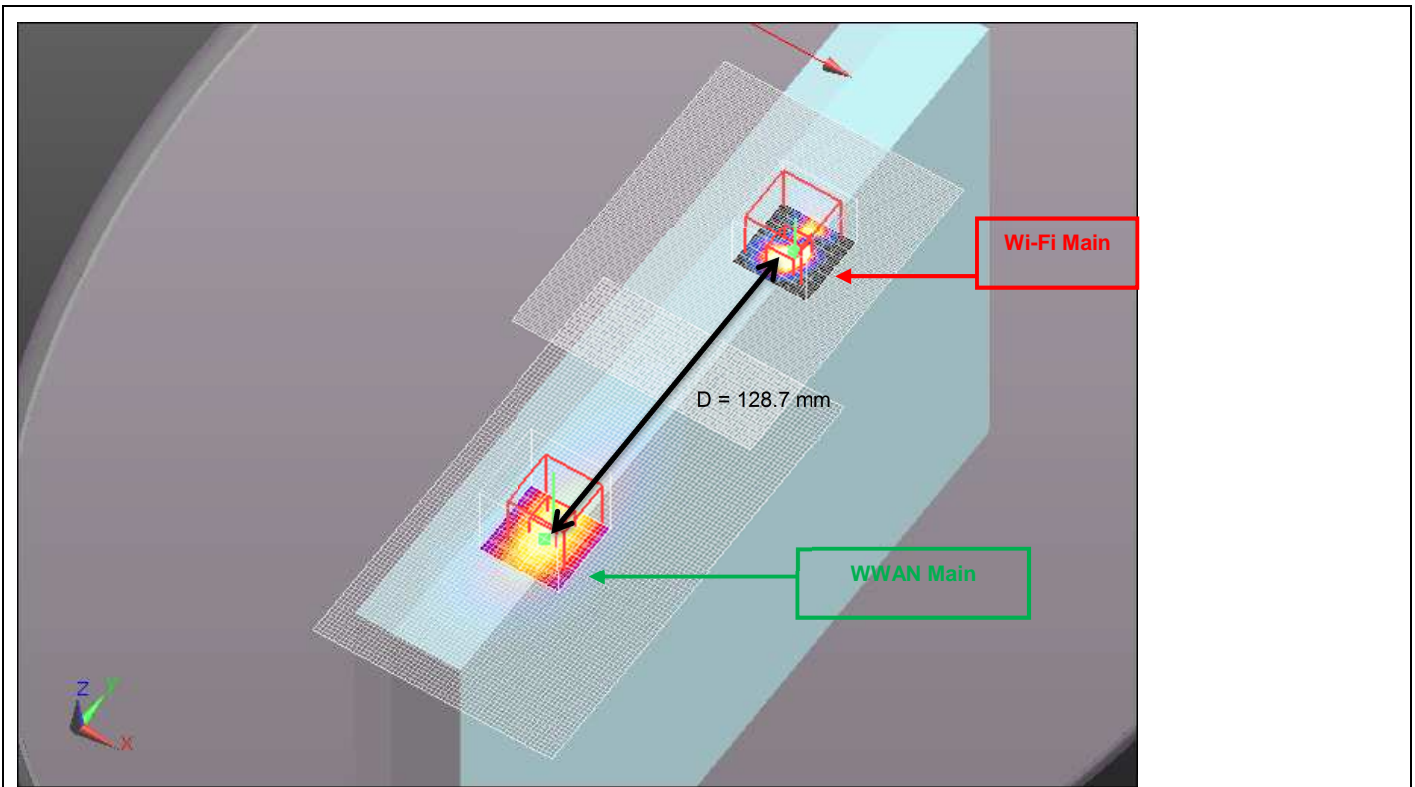


WLAN5.8GHz + WWAN
Figure (1)

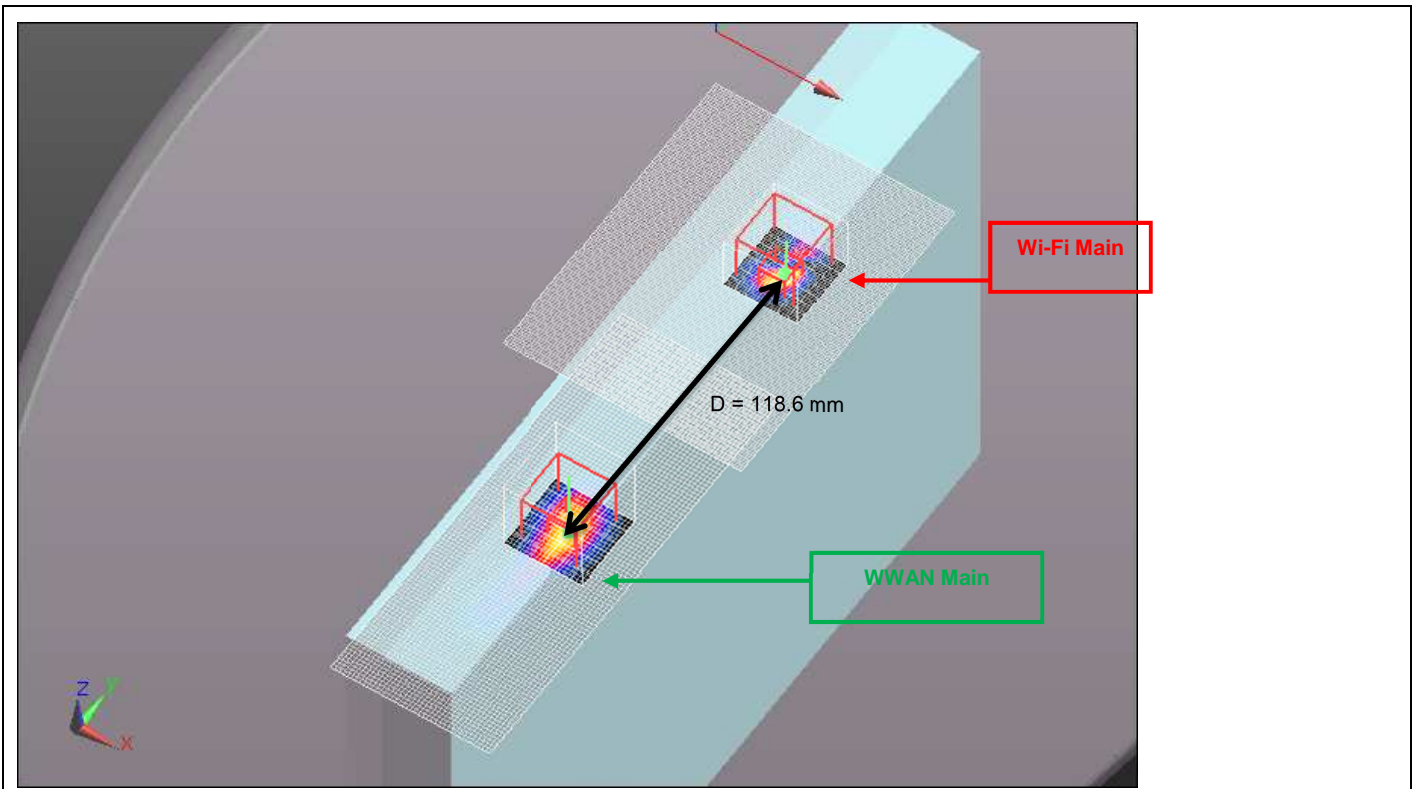


Mode	Peak SAR mW/g	X m	Y m	Z m
Wi-Fi Main 5.8 GHz	1.95	0.001	0.039	-0.179
GSM850	1.13	-0.0045	-0.0895	-0.184

d: Calculated distance (mm)
128.7

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

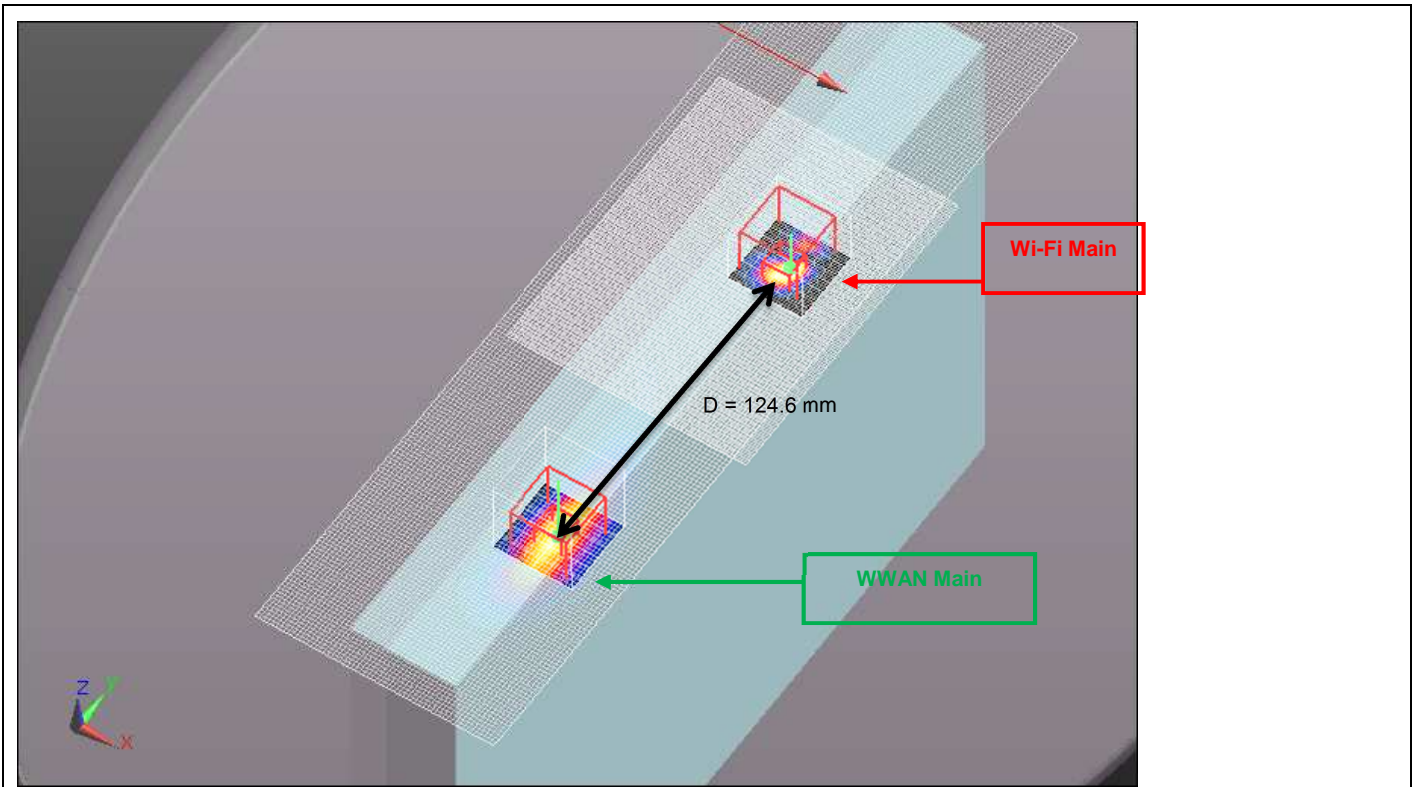
WLAN5.8GHz + WWAN
Figure (2)



Mode	Peak SAR mW/g	X m	Y m	Z m
Wi-Fi Main 5.8 GHz	1.95	0.001	0.039	-0.179
PCS1900	1.92	-0.002	-0.0795	-0.183
d: Calculated distance (mm)				
118.6				

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

WLAN5.8GHz + WWAN
Figure (3)

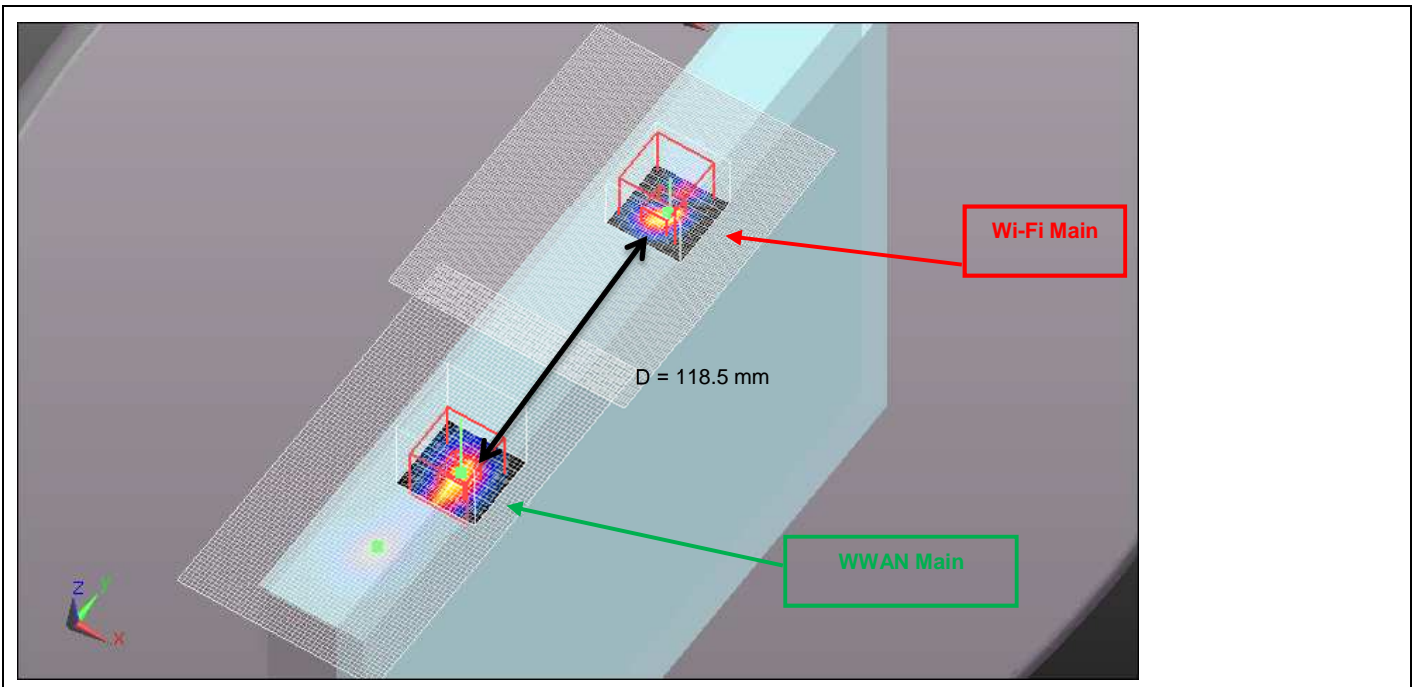


Mode	Peak SAR mW/g	X m	Y m	Z m
Wi-Fi Main 5.8 GHz	1.95	0.001	0.039	-0.179
WCDMA Band V	1.62	-0.0035	-0.0855	-0.183

d: Calculated distance (mm)
124.6

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

WLAN5.8GHz + WWAN
Figure (4)



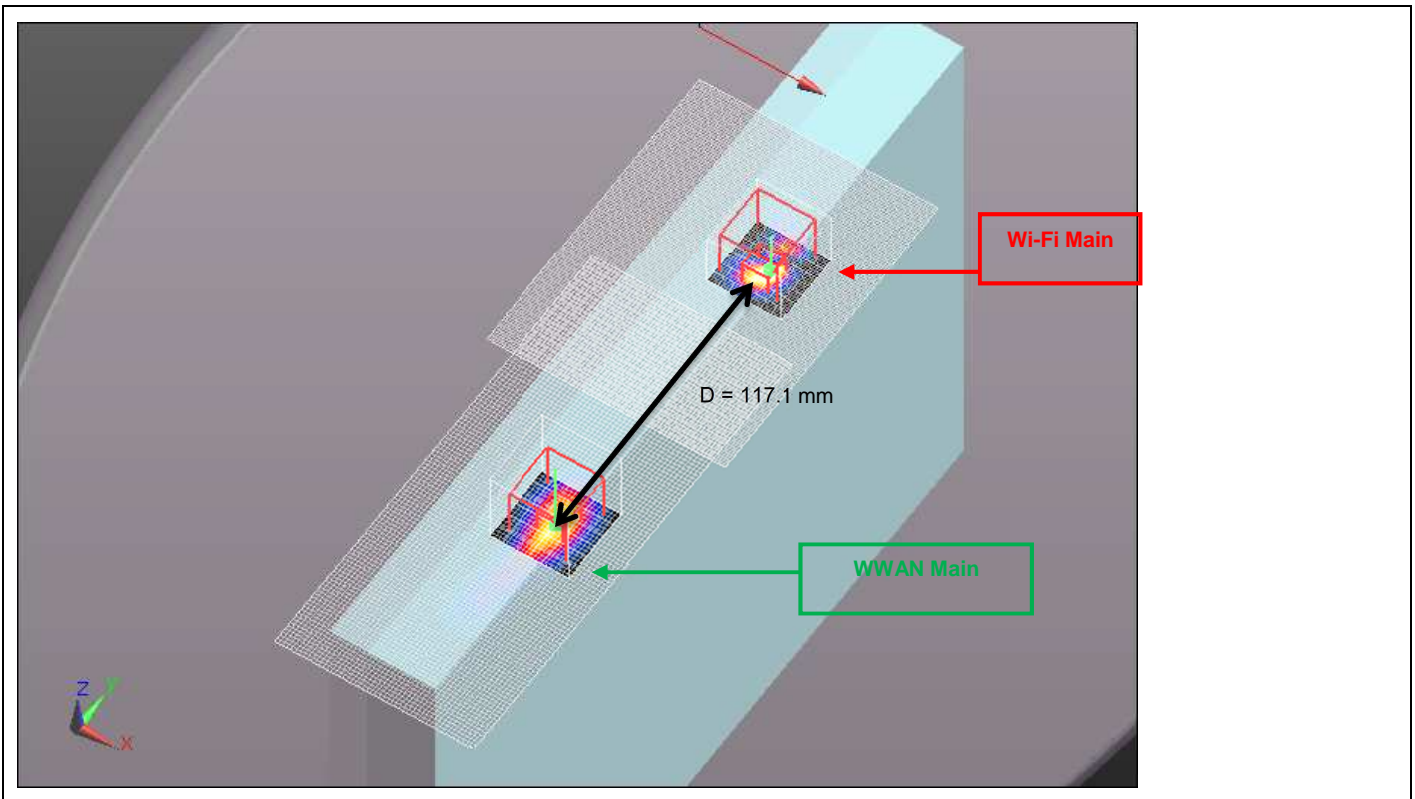
Mode	Peak SAR	X	Y	Z
	mW/g	m	m	m
Wi-Fi Main 5.8 GHz	1.95	0.001	0.039	-0.179
WCDMA Band IV	1.79	0.001	-0.0795	-0.182

d: Calculated distance (mm)
118.5

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

WLAN5.8GHz + WWAN

Figure (5)

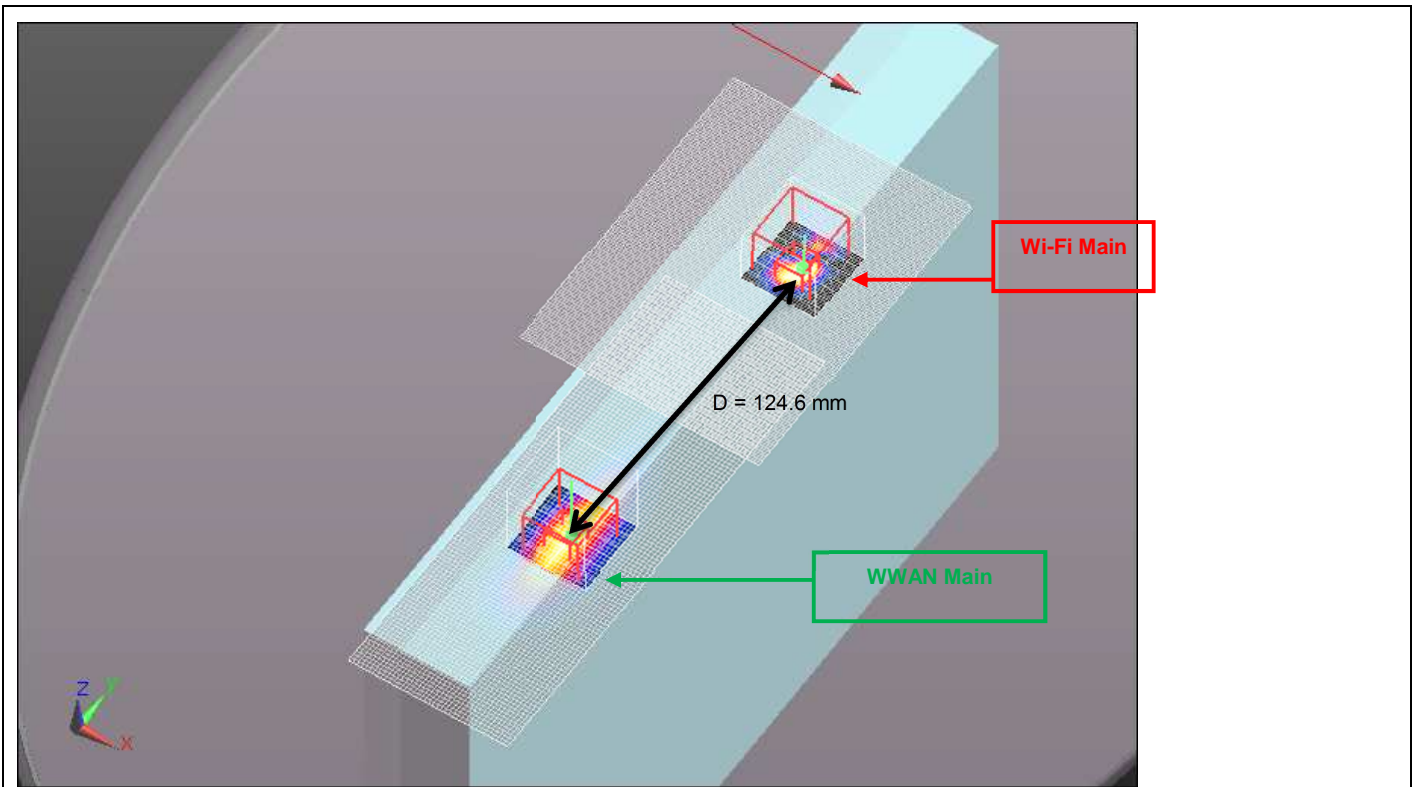


Mode	Peak SAR	X	Y	Z
	mW/g	m	m	m
Wi-Fi Main 5.8 GHz	1.95	0.001	0.039	-0.179
WCDMA Band II	1.59	-0.002	-0.078	-0.182

d: Calculated distance (mm)
117.1

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

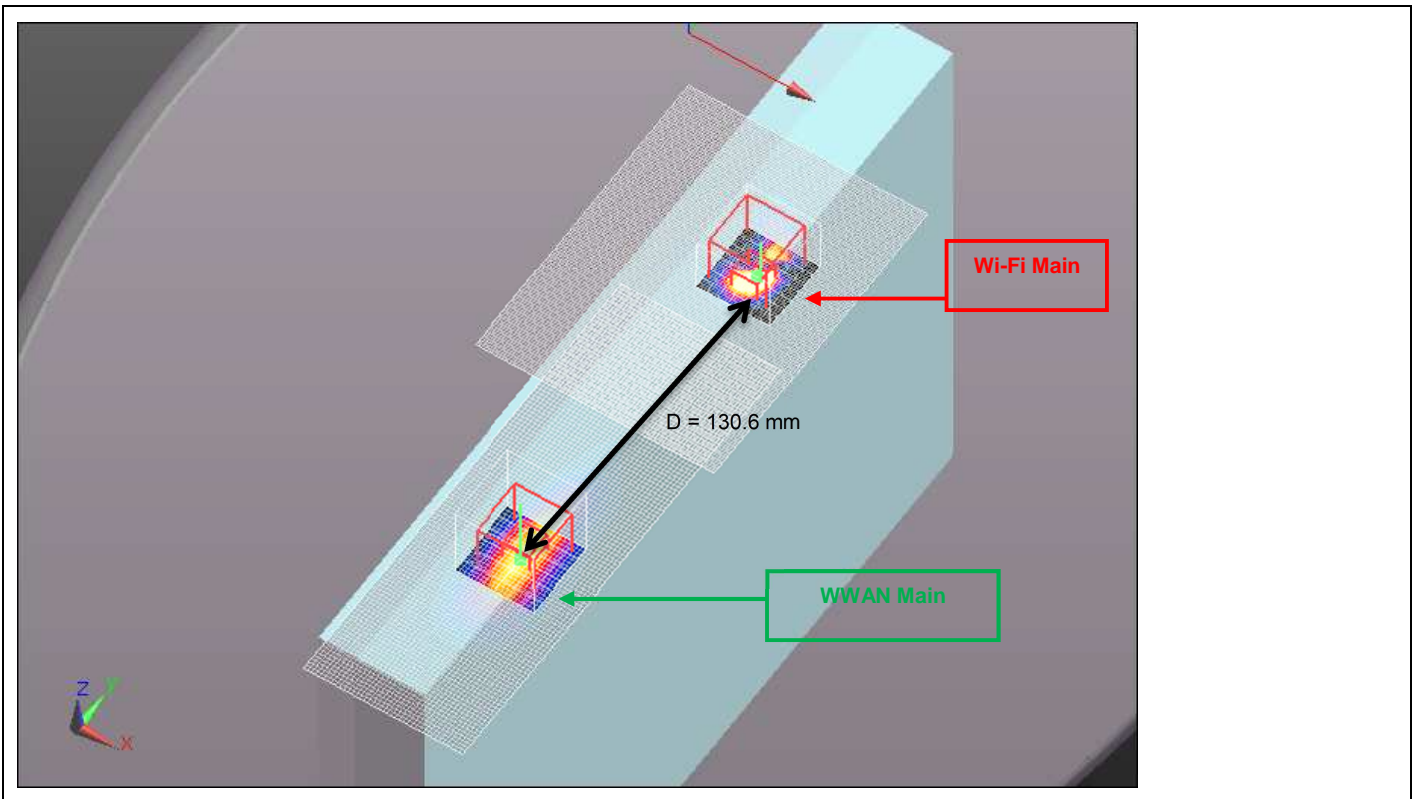
WLAN5.8GHz + WWAN
Figure (6)



Mode	Peak SAR	X	Y	Z
	mW/g	m	m	m
Wi-Fi Main 5.8 GHz	1.95	0.001	0.039	-0.179
CDMA BC0 1xRTT	1.54	-0.0035	-0.0855	-0.183
d: Calculated distance (mm)				
124.6				

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

WLAN5.8GHz + WWAN
Figure (7)

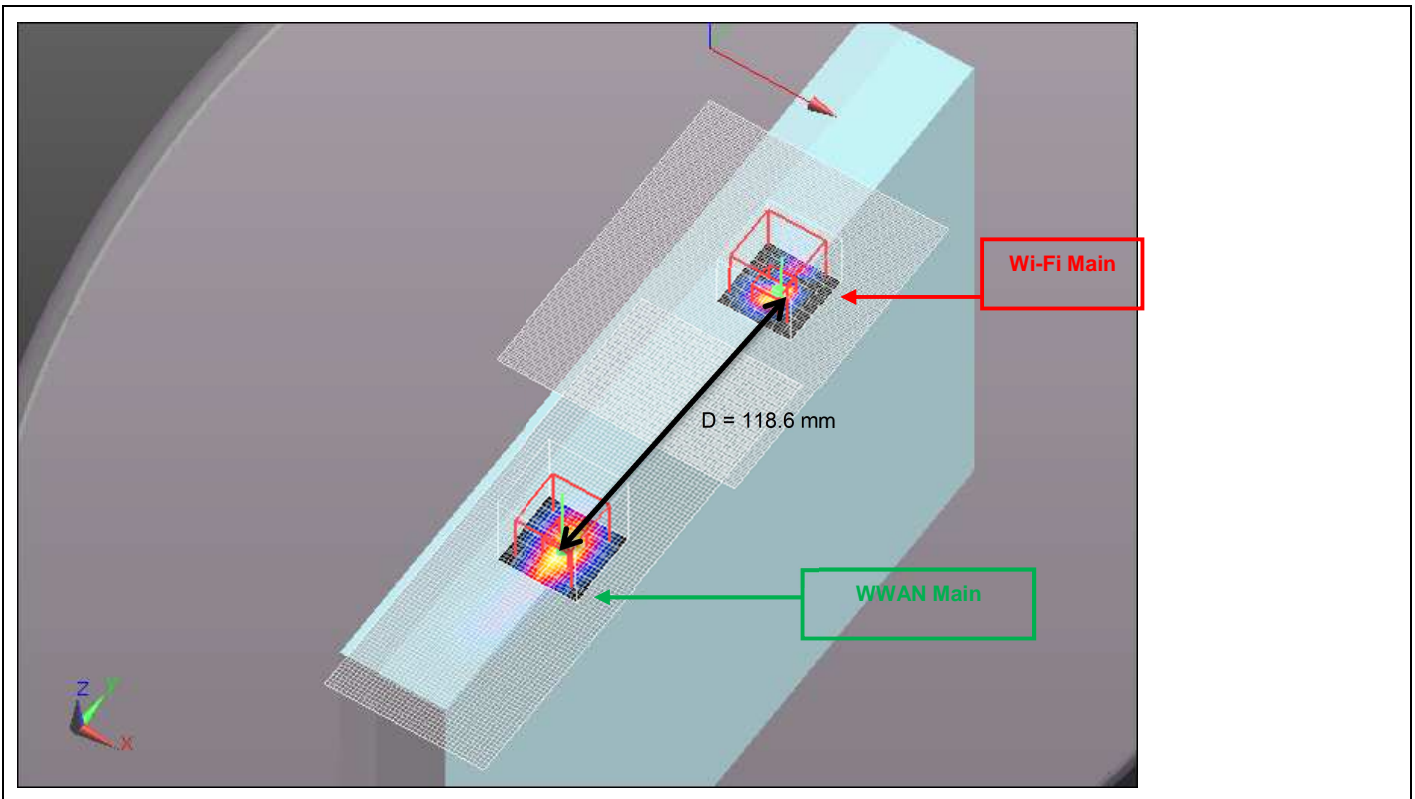


Mode	Peak SAR	X	Y	Z
	mW/g	m	m	m
Wi-Fi Main 5.8 GHz	1.95	0.001	0.039	-0.179
CDMA BC0 EVDO	1.17	-0.002	-0.0915	-0.183

d: Calculated distance (mm)	
130.6	

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

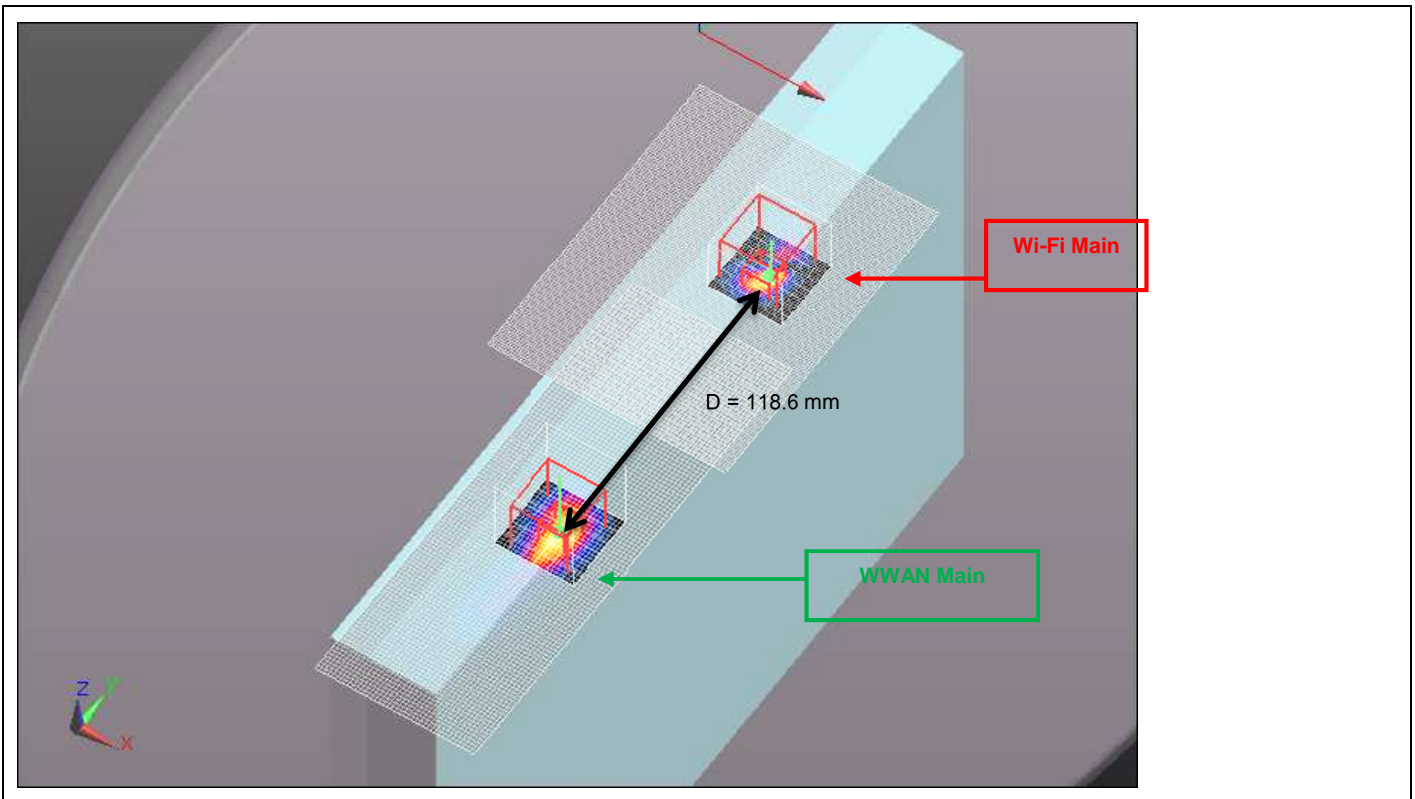
WLAN5.8GHz + WWAN
Figure (8)



Mode	Peak SAR	X	Y	Z
	mW/g	m	m	m
Wi-Fi Main 5.8 GHz	1.95	0.001	0.039	-0.179
CDMA BC1 1xRTT	2.09	-0.002	-0.0795	-0.182
d: Calculated distance (mm)				
118.6				

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

WLAN5.8GHz + WWAN
Figure (9)

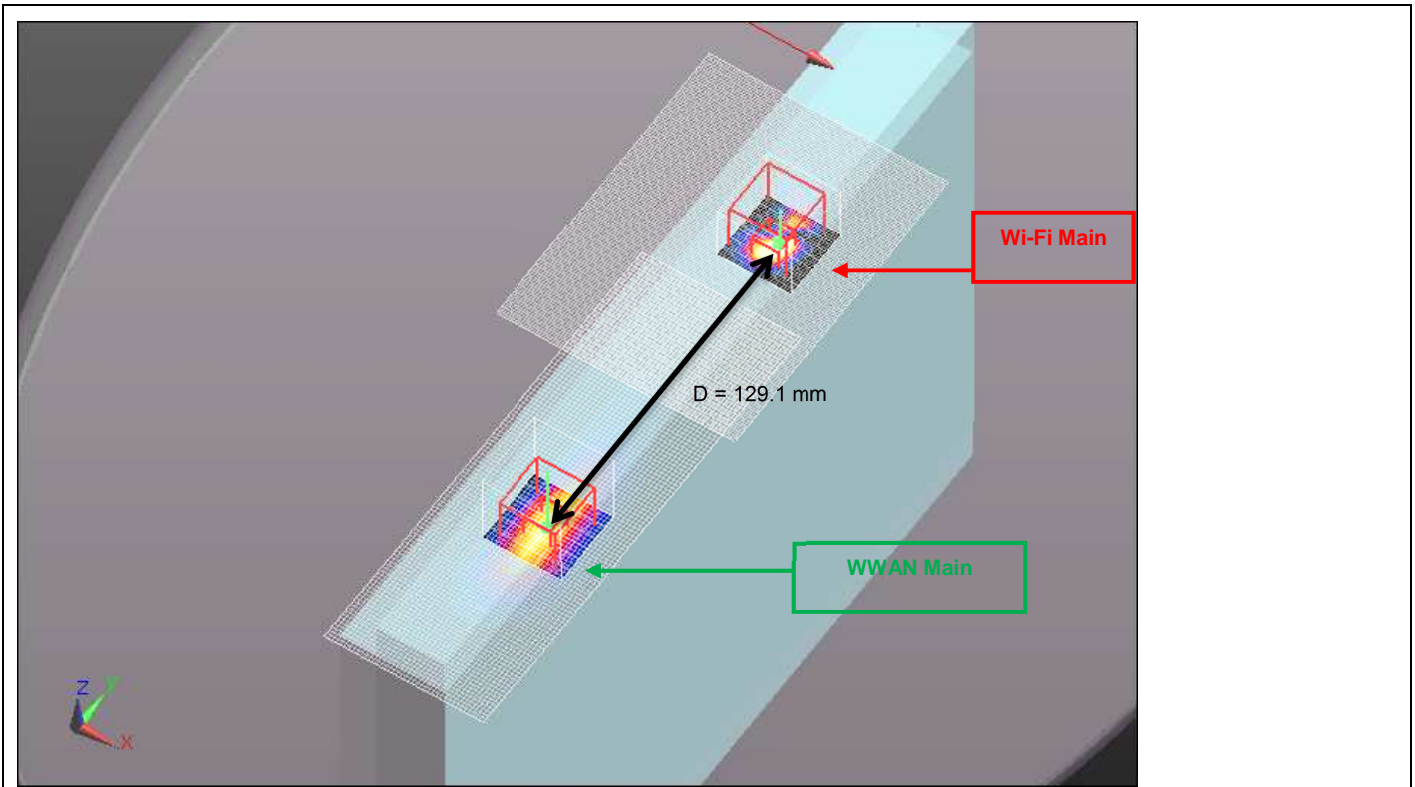


Mode	Peak SAR	X	Y	Z
	mW/g	m	m	m
Wi-Fi Main 5.8 GHz	1.95	0.001	0.039	-0.179
CDMA BC1 EVDO	2.01	-0.0005	-0.078	-0.183

d: Calculated distance (mm)
117.1

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

WLAN5.8GHz + WWAN
Figure (10)

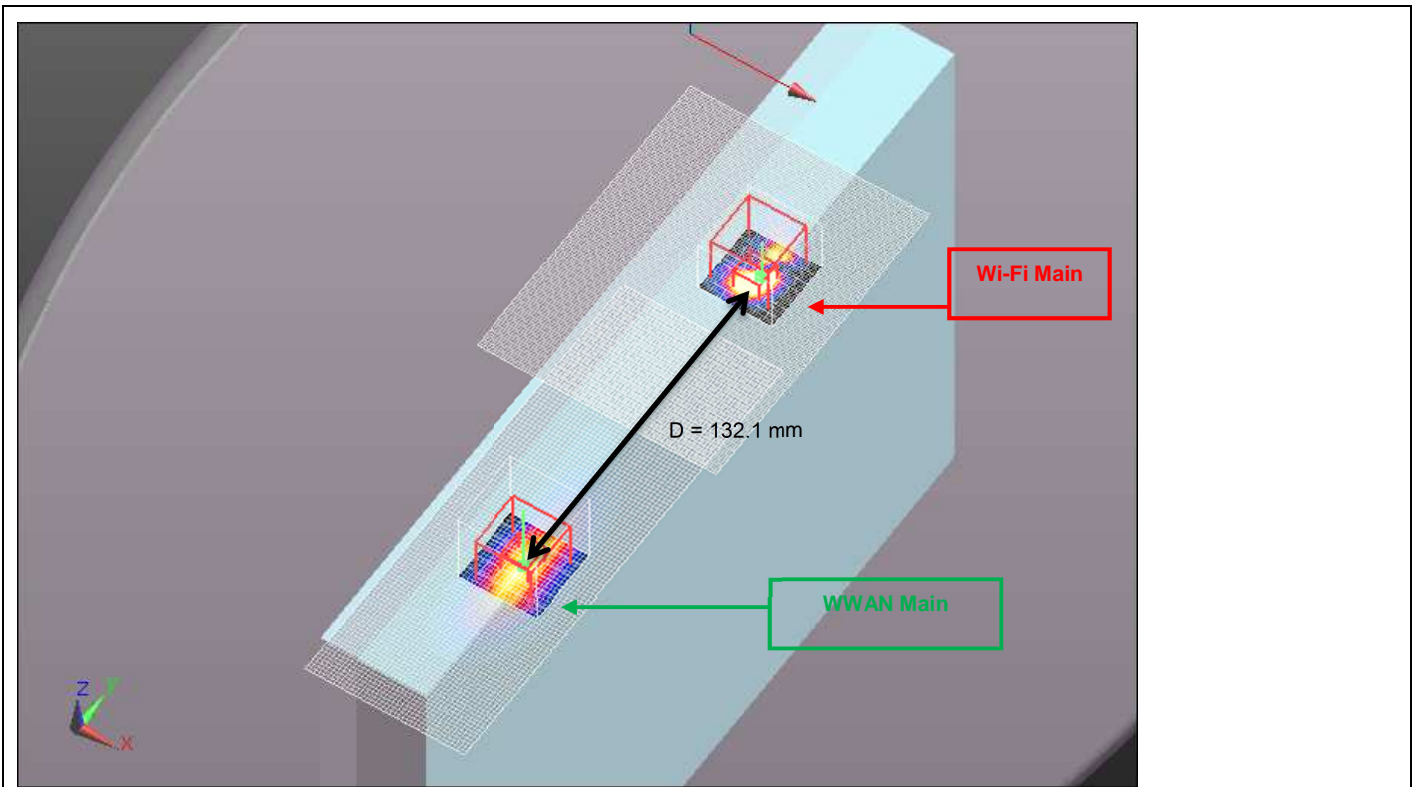


Mode	Peak SAR mW/g	X m	Y m	Z m
Wi-Fi Main 5.8 GHz	1.95	0.001	0.039	-0.179
CDMA BC10 1xRTT	1.35	-0.0005	-0.09	-0.184

d: Calculated distance (mm)	
129.1	

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

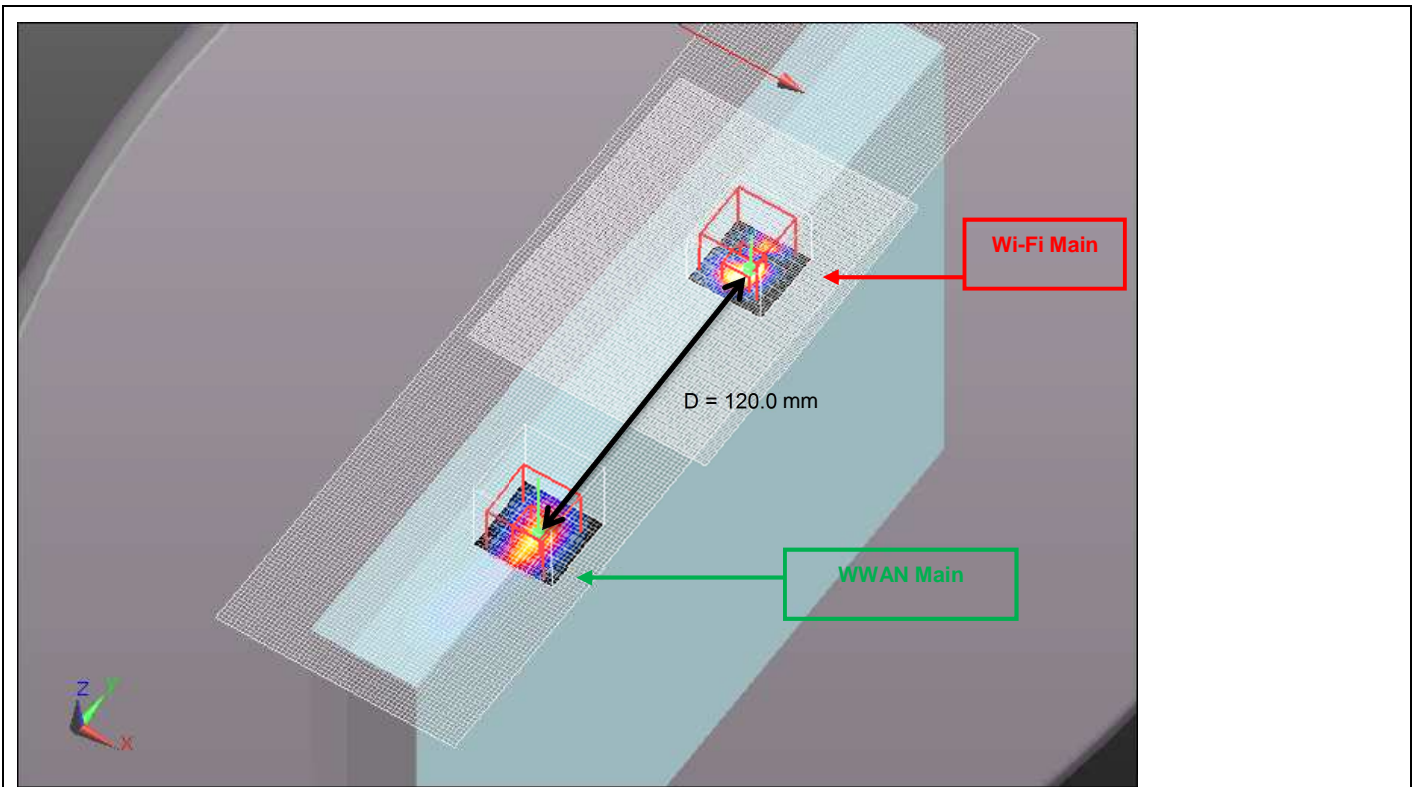
WLAN5.8GHz + WWAN
Figure (11)



Mode	Peak SAR	X	Y	Z
	mW/g	m	m	m
Wi-Fi Main 5.8 GHz	1.95	0.001	0.039	-0.179
CDMA BC10 EVDO	1.08	-0.0005	-0.093	-0.183
d: Calculated distance (mm)				
132.1				

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

WLAN5.8GHz + WWAN
Figure (12)

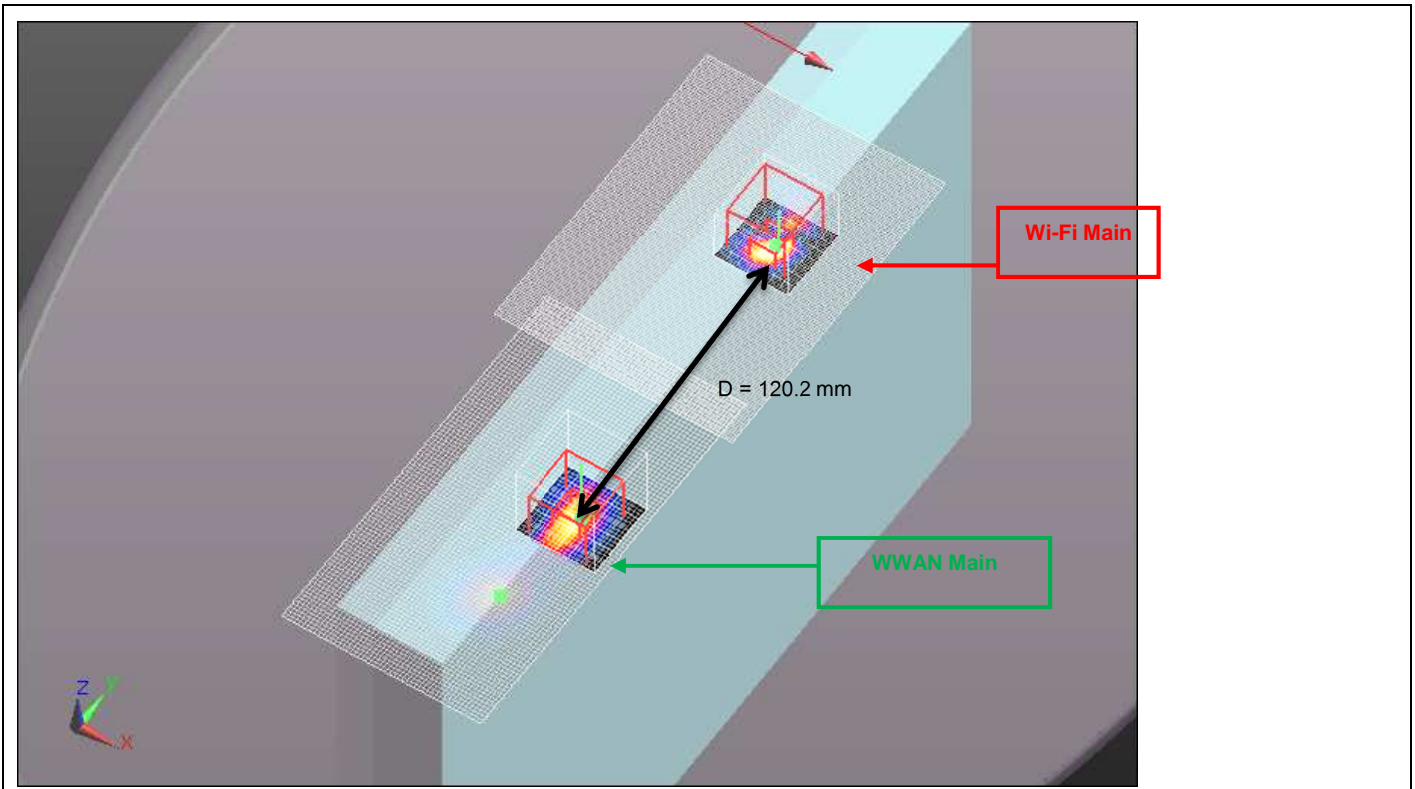


Mode	Peak SAR	X	Y	Z
	mW/g	m	m	m
Wi-Fi Main 5.8 GHz	1.95	0.001	0.039	-0.179
LTE Band 2	1.47	0.001	-0.081	-0.182

d: Calculated distance (mm)	
120.0	

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

WLAN5.8GHz + WWAN
Figure (13)



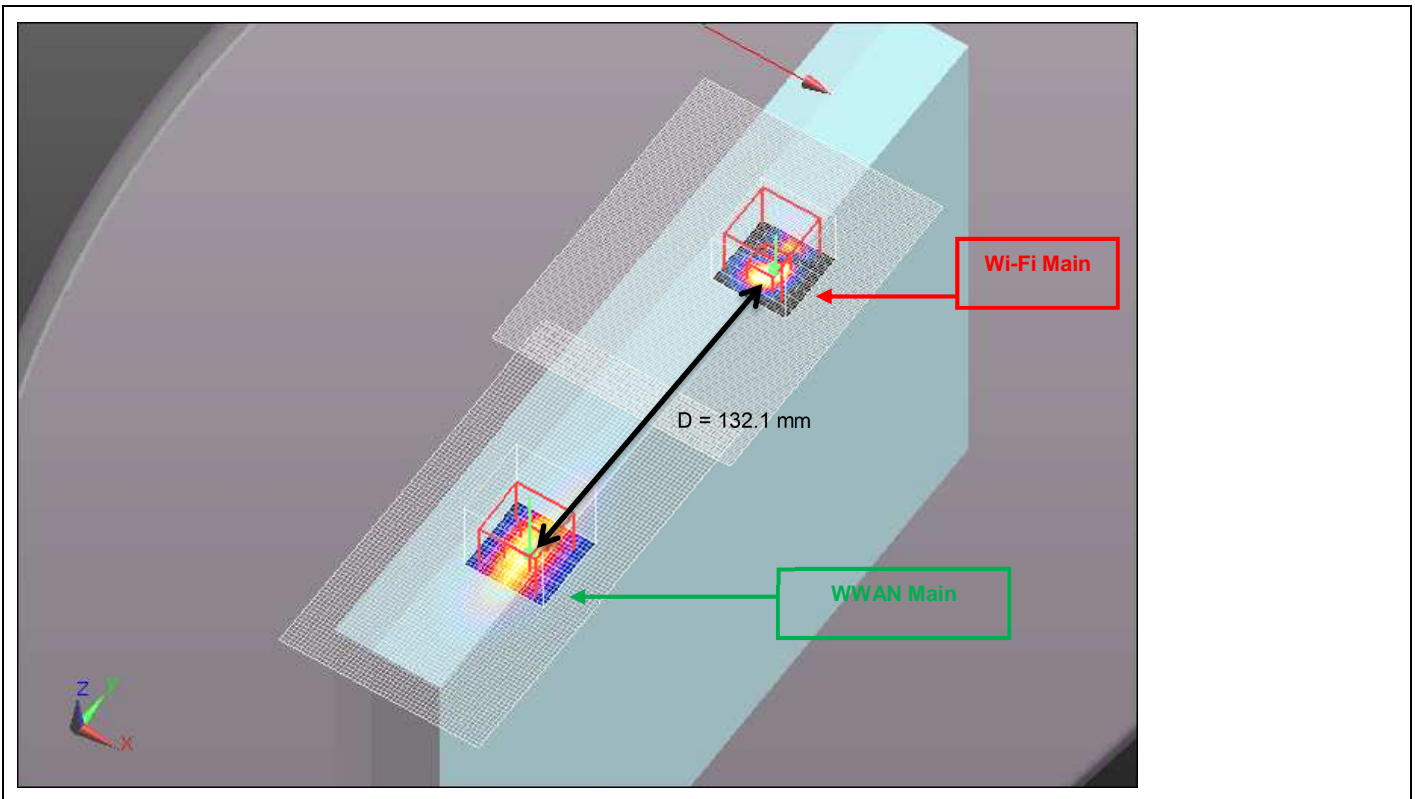
Mode	Peak SAR mW/g	X m	Y m	Z m
Wi-Fi Main 5.8 GHz	1.95	0.001	0.039	-0.179
LTE Band 4	1.51	0.007	-0.081	-0.182

d: Calculated distance (mm)	
120.2	

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

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

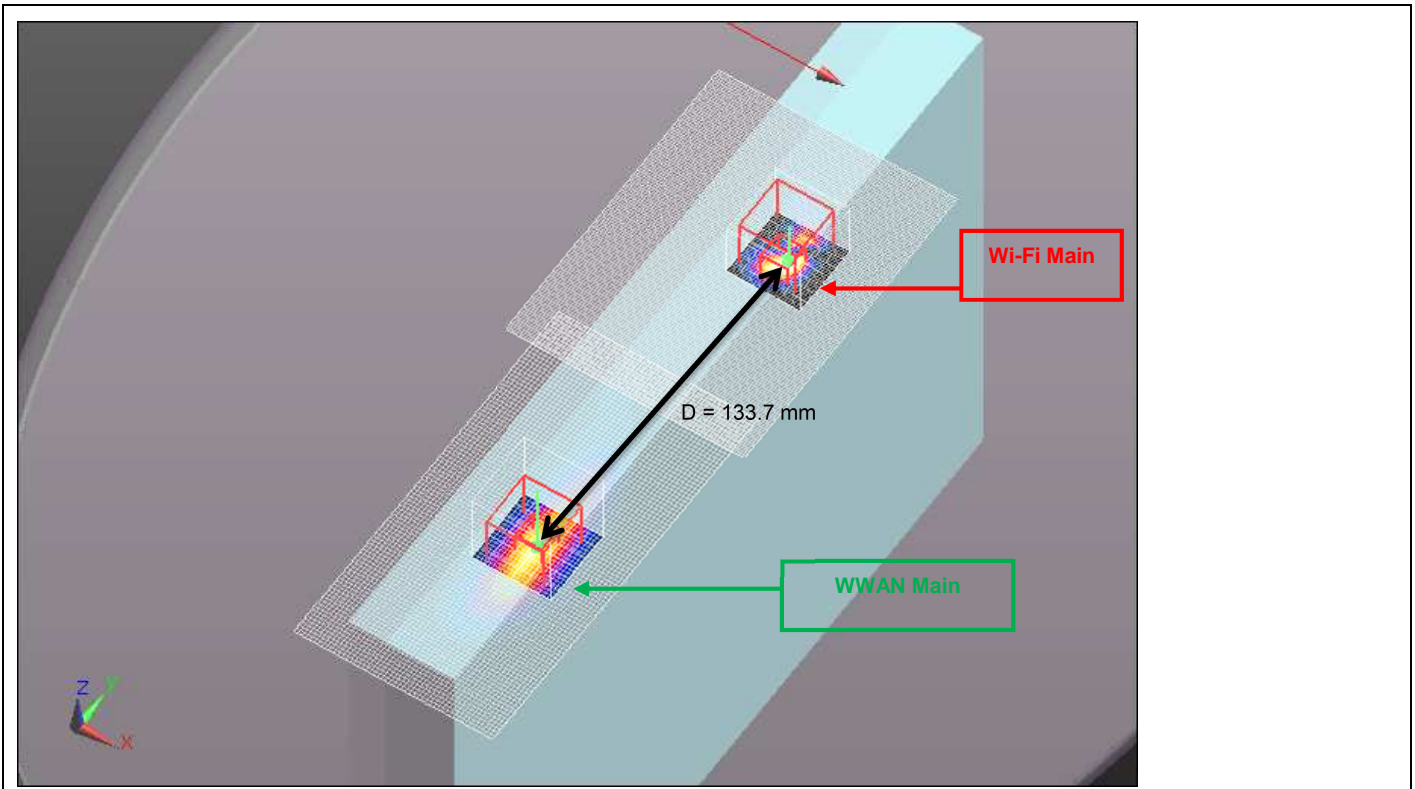
WLAN5.8GHz + WWAN
Figure (14)



Mode	Peak SAR	X	Y	Z
	mW/g	m	m	m
Wi-Fi Main 5.8 GHz	1.95	0.001	0.039	-0.179
LTE Band 5	1.39	-0.0035	-0.093	-0.182
d: Calculated distance (mm)				
132.1				

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

WLAN5.8GHz + WWAN
Figure (15)



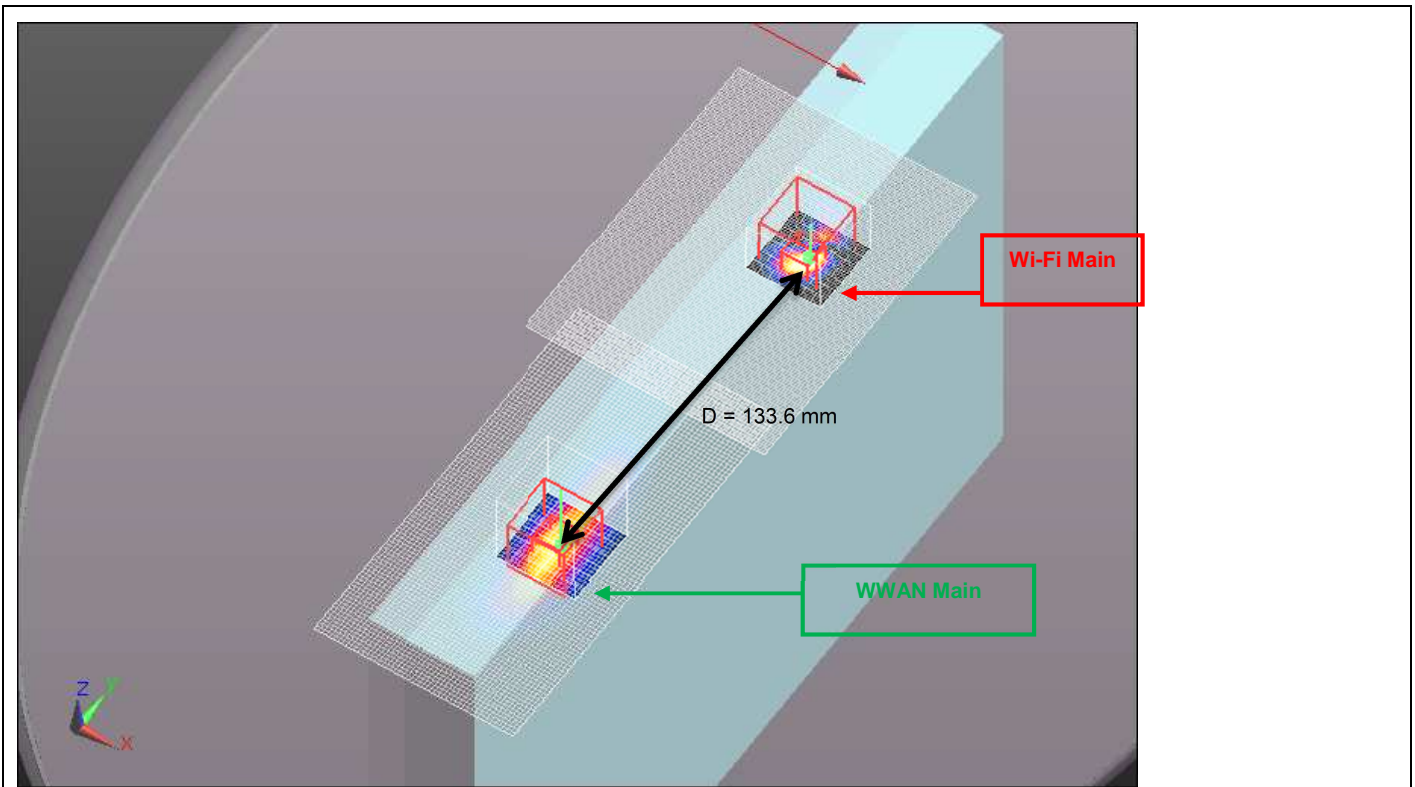
Mode	Peak SAR mW/g	X m	Y m	Z m
Wi-Fi Main 5.8 GHz	1.95	0.001	0.039	-0.179
LTE Band 13	1.45	-0.005	-0.0945	-0.182

d: Calculated distance (mm)	
133.7	

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

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

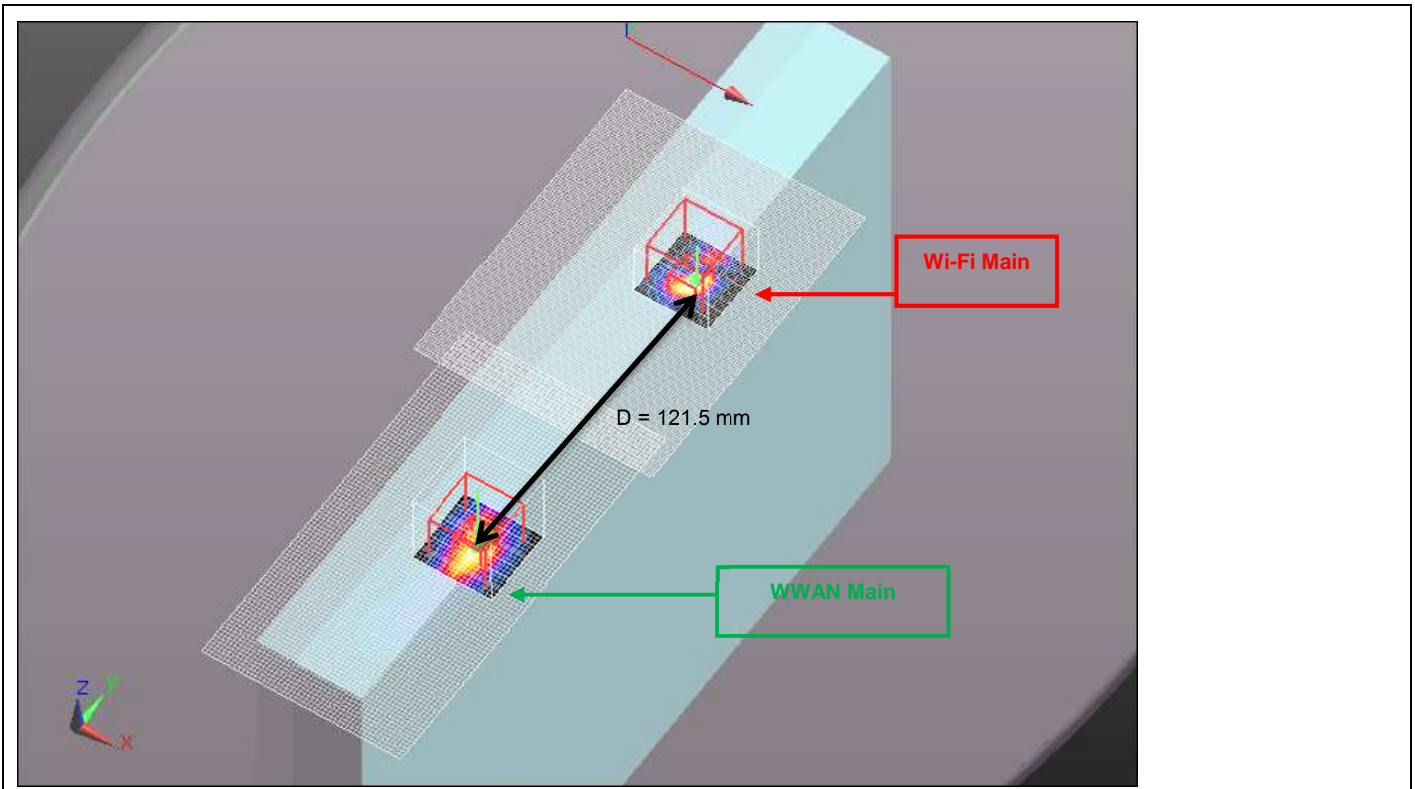
WLAN5.8GHz + WWAN
Figure (16)



Mode	Peak SAR	X	Y	Z
	mW/g	m	m	m
Wi-Fi Main 5.8 GHz	1.95	0.001	0.039	-0.179
LTE Band 17	1.56	-0.0035	-0.0945	-0.183
d: Calculated distance (mm)				
133.6				

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

WLAN5.8GHz + WWAN
Figure (17)



Mode	Peak SAR mW/g	X m	Y m	Z m
Wi-Fi Main 5.8 GHz	1.95	0.001	0.039	-0.179
LTE Band 25	1.73	-0.0005	-0.0825	-0.182

d: Calculated distance (mm)	
121.5	

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

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

14. Transmitters used in mobile exposure conditions for simultaneous transmission operations

According to KDB 447498 §7.2 simultaneous transmission evaluations can be excluded when:

The $[\Sigma$ of (the highest measured or estimated SAR for each standalone antenna configuration, adjusted for maximum tune-up tolerance) / 1.6 W/kg] + $[\Sigma$ of MPE ratios] is ≤ 1.0 . (f1)

The SAR to peak location separation ratios of all simultaneous transmitting antenna pairs operating in portable exposure conditions are all ≤ 0.04 and the $[\Sigma$ of MPE ratios] is ≤ 1.0 . (f2)

14.1. Edge 1 for WWAN and WLAN 2 Tx (MIMO)

The WLAN aux antenna is 204.20 mm from edge 1 and can be treated as mobile for simultaneous transmission analysis.

14.1.1. MPE calculations for the WLAN Aux antenna

WLAN MPE calculations are taken from UL Japan, Inc. SAR report number 33LE0029-HO-A-R1

Mode	Frequency (MHz)	Output power (dBm)	Gain (dBi)	Duty Cycle	EIRP (mW)	Distance (cm)	Power density (mW/cm ²)	FCC Limit (mW/cm ²)	% of limit
WLAN Aux ant	2462	14.5	-2.71	100%	15.1	20.4	0.0029	1.00	0.29%
	5240	14.0	-2.26	100%	14.9	20.4	0.0029	1.00	0.29%
	5320	14.5	-2.26	100%	16.7	20.4	0.0032	1.00	0.32%
	5700	15.0	-1.32	100%	23.3	20.4	0.0045	1.00	0.45%
	5825	15.0	-1.32	100%	23.3	20.4	0.0045	1.00	0.45%
Bluetooth	2480	7.0	-2.71	89%	2.4	20.4	0.0005	1.00	0.05%

WLAN Aux antenna: MPE ratio compared to the MPE limit is 0.005 (WLAN Aux ant 2.4GHz)

14.1.2. Σ 1-g SAR (mW/g) < 1.6 W/kg for WWAN and WLAN Main antenna

		WWAN mode													
		GSM850 16mm → Full Power	GSM1900 0mm → Power Reduction	WCDMA V 0mm → Power Reduction	WCDMA IV 0mm → Power Reduction	WCDMA II 0mm → Power Reduction	CDMA BC0 0mm → Power Reduction	CDMA BC1 0mm → Power Reduction	CDMA BC10 0mm → Power Reduction	LTE Band 2 0mm → Power Reduction	LTE Band 4 0mm → Power Reduction	LTE Band 5 0mm → Power Reduction	LTE Band 13 0mm → Power Reduction	LTE Band 17 0mm → Power Reduction	LTE Band 25 0mm → Power Reduction
WLAN band	Stand alone SAR [W/kg]	1.291	1.359	1.100	1.205	1.314	1.141	1.253	1.034	0.852	1.046	1.169	1.185	1.229	1.194
WLAN 2.4GHz Main ant	1.149	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
WLAN 5.2GHz Main ant	0.486	N/A	N/A	1.586	N/A	N/A	N/A	N/A	1.520	1.338	1.532	N/A	N/A	N/A	N/A
WLAN 5.3GHz Main ant	0.446	N/A	N/A	1.546	N/A	N/A	1.587	N/A	1.480	1.298	1.492	N/A	N/A	N/A	N/A
WLAN 5.5GHz Main ant	0.992	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
WLAN 5.8GHz Main ant	0.874	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

14.1.3. Σ 1-g SAR (mW/g) > 1.6 W/kg for WWAN and WLAN Main antenna

SPLSR summary table

		WWAN mode													
		GSM850 16mm → Full Power	GSM1900 0mm → Power Reduction	WCDMA V 0mm → Power Reduction	WCDMA IV 0mm → Power Reduction	WCDMA II 0mm → Power Reduction	CDMA BC0 0mm → Power Reduction	CDMA BC1 0mm → Power Reduction	CDMA BC10 0mm → Power Reduction	LTE Band 2 0mm → Power Reduction	LTE Band 4 0mm → Power Reduction	LTE Band 5 0mm → Power Reduction	LTE Band 13 0mm → Power Reduction	LTE Band 17 0mm → Power Reduction	LTE Band 25 0mm → Power Reduction
WLAN 2.4GHz Main ant	0.028	0.032	0.026	0.029	0.032	0.027	0.030	0.024	0.023	0.026	0.026	0.026	0.026	0.026	0.028
WLAN 5.2GHz Main ant	0.017	0.019	N/A	0.017	0.018	0.015	0.017	N/A	N/A	N/A	0.015	0.015	0.015	0.015	0.016
WLAN 5.3GHz Main ant	0.018	0.021	N/A	0.018	0.020	N/A	0.019	N/A	N/A	N/A	0.016	0.016	0.016	0.016	0.017
WLAN 5.5GHz Main ant	0.028	0.031	0.025	0.028	0.031	0.026	0.029	0.023	0.022	0.025	0.025	0.025	0.025	0.026	0.027
WLAN 5.8GHz Main ant	0.025	0.028	0.022	0.025	0.028	0.023	0.026	0.020	0.019	0.022	0.022	0.022	0.022	0.023	0.024

14.1.4. Edge 1 Simultaneous Transmission analysis

Applied formula f1

The $[\Sigma$ of (the highest measured or estimated SAR for each standalone antenna configuration, adjusted for maximum tune-up tolerance) / 1.6 W/kg] + $[\Sigma$ of MPE ratios] is ≤ 1.0 . (f1)

The maximum reported SAR for the WWAN antenna at edge 1 is 1.141W/kg .

The maximum reported SAR f for the WLAN main antenna at edge 1 is 0.446W/kg.

The maximum MPE ratio of the limit for the WLAN aux antenna at edge 1 is 0.005.

$$(1.141 + 0.446)/1.6 + 0.005 = 0.997 \text{ which is } \leq 1.0$$

Applied formula f2

The SAR to peak location separation ratios of all simultaneous transmitting antenna pairs operating in portable exposure conditions are all ≤ 0.04 and the $[\Sigma$ of MPE ratios] is ≤ 1.0 . (f2)

The maximum MPE ratio of the limit for the WLAN aux antenna at edge 1 is 0.005 which is ≤ 1.0 .

14.2. Edge 2 for WWAN and WLAN 2 Tx (MIMO)

The WWAN antenna is 200.6 mm from edge 2 and can be treated as mobile for simultaneous transmission analysis.

The WLAN Aux antenna is 287.4 mm from edge 2 and can be treated as mobile for simultaneous transmission analysis.

14.2.1. MPE calculations for WWAN and WLAN Aux antenna

WLAN MPE calculations are taken from UL Japan, Inc. SAR report number 33LE0029-HO-A-R1

Mode	Frequency (MHz)	Output power (dBm)	Gain (dBi)	Duty Cycle	EIRP (mW)	Distance (cm)	Power density (mW/cm ²)	FCC Limit (mW/cm ²)	% of limit
GSM850	846.6	33.5	0.77	25%	668.3	20.1	0.1322	1.00	13.22%
PCS1900	1912.12	30.5	2.08	25%	452.8	20.1	0.0896	1.00	8.96%
WCDMA V	846.6	24.0	0.77	100%	299.9	20.1	0.0593	1.00	5.93%
WCDMA IV	1752.6	24.0	2.07	100%	404.6	20.1	0.0800	1.00	8.00%
WCDMA II	1907.6	24.0	2.08	100%	405.5	20.1	0.0802	1.00	8.02%
CDMA BC0	848.31	25.0	0.77	100%	377.6	20.1	0.0747	1.00	7.47%
CDMA BC1	1908.75	25.0	2.08	100%	510.5	20.1	0.1010	1.00	10.10%
CDMA BC10	822.75	25.0	0.77	100%	377.6	20.1	0.0747	1.00	7.47%
LTE Band 2	1900	24.0	2.08	100%	405.5	20.1	0.0802	1.00	8.02%
LTE Band 4	1745	24.0	2.07	100%	404.6	20.1	0.0800	1.00	8.00%
LTE Band 5	844	24.0	0.77	100%	299.9	20.1	0.0593	1.00	5.93%
LTE Band 13	782	24.0	1.01	100%	317.0	20.1	0.0627	1.00	6.27%
LTE Band 17	711	24.0	-0.52	100%	222.8	20.1	0.0441	1.00	4.41%
LTE Band 25	1905	24.0	2.08	100%	405.5	20.1	0.0802	1.00	8.02%
WLAN Aux ant	2462	14.5	-2.71	100%	15.1	28.7	0.0015	1.00	0.15%
	5240	14.0	-2.26	100%	14.9	28.7	0.0014	1.00	0.14%
	5320	14.5	-2.26	100%	16.7	28.7	0.0016	1.00	0.16%
	5700	15.0	-1.32	100%	23.3	28.7	0.0022	1.00	0.22%
	5825	15.0	-1.32	100%	23.3	28.7	0.0022	1.00	0.22%
Bluetooth	2480	7.0	-2.71	89%	2.4	28.7	0.0002	1.00	0.02%

WWAN antenna: MPE ratio compared to the MPE limit is 0.132 (GSM850)

WLAN Aux antenna: MPE ratio compared to the MPE limit is 0.002 (WLAN 11a Aux ant 2.4GHz)

14.2.2. Maximum SAR for the WLAN main antenna at edge 2

WLAN Main antenna: 0.067W/kg (WLAN 11a Main ant 5.5GHz)

14.2.3. Edge 2 Simultaneous Transmission analysis

Applied formula f1

The $[\Sigma \text{ of (the highest measured or estimated SAR for each standalone antenna configuration, adjusted for maximum tune-up tolerance)} / 1.6 \text{ W/kg}] + [\Sigma \text{ of MPE ratios}] \leq 1.0.$ (f1)

The maximum reported SAR for the WLAN main antenna at edge 2 is 0.067W/kg.

The maximum MPE ratio of the limit for the WLAN aux antenna at edge 2 is 0.002

The maximum MPE ratio of the limit for the WWAN antenna at edge 2 is 0.132

$0.067/1.6 + (0.132+0.002) = 0.176$ which is ≤ 1.0

14.3. Edge 3 for WWAN and WLAN 2 Tx (MIMO)

The WWAN antenna is 210.9 mm from edge 3 and can be treated as mobile for simultaneous transmission analysis.

The WLAN main antenna is 210.9 mm from edge 3 and can be treated as mobile for simultaneous transmission analysis.

14.3.1. MPE calculations for WWAN and WLAN Main antenna

WLAN MPE calculations are taken from UL Japan, Inc. SAR report number 33LE0029-HO-A-R1

Mode	Frequency (MHz)	Output power (dBm)	Gain (dBi)	Duty Cycle	EIRP (mW)	Distance (cm)	Power density (mW/cm ²)	FCC Limit (mW/cm ²)	% of limit
GSM850	846.6	33.5	0.77	25%	668.3	21.1	0.1196	1.00	11.96%
PCS1900	1912.12	30.5	2.08	25%	452.8	21.1	0.0810	1.00	8.10%
WCDMA V	846.6	24.0	0.77	100%	299.9	21.1	0.0537	1.00	5.37%
WCDMA IV	1752.6	24.0	2.07	100%	404.6	21.1	0.0724	1.00	7.24%
WCDMA II	1907.6	24.0	2.08	100%	405.5	21.1	0.0725	1.00	7.25%
CDMA BC0	848.31	25.0	0.77	100%	377.6	21.1	0.0676	1.00	6.76%
CDMA BC1	1908.75	25.0	2.08	100%	510.5	21.1	0.0913	1.00	9.13%
CDMA BC10	822.75	25.0	0.77	100%	377.6	21.1	0.0676	1.00	6.76%
LTE Band 2	1900	24.0	2.08	100%	405.5	21.1	0.0725	1.00	7.25%
LTE Band 4	1745	24.0	2.07	100%	404.6	21.1	0.0724	1.00	7.24%
LTE Band 5	844	24.0	0.77	100%	299.9	21.1	0.0537	1.00	5.37%
LTE Band 13	782	24.0	1.01	100%	317.0	21.1	0.0567	1.00	5.67%
LTE Band 17	711	24.0	-0.52	100%	222.8	21.1	0.0399	1.00	3.99%
LTE Band 25	1905	24.0	2.08	100%	405.5	21.1	0.0725	1.00	7.25%
WLAN Main ant	2462	15.0	0.86	100%	38.5	21.1	0.0069	1.00	0.69%
	5240	14.0	-2.87	100%	13.0	21.1	0.0023	1.00	0.23%
	5320	14.5	-2.87	100%	14.6	21.1	0.0026	1.00	0.26%
	5700	15.0	-6.92	100%	6.4	21.1	0.0011	1.00	0.11%
	5825	15.0	-6.10	100%	7.8	21.1	0.0014	1.00	0.14%

WWAN antenna: MPE ratio compared to the MPE limit is 0.120 (GSM850)

WLAN Main antenna: MPE ratio compared to the MPE limit is 0.007 (WLAN Main ant 2.4GHz)

14.3.2. Maximum SAR for the WLAN aux antenna at edge 3

WLAN Aux antenna: 1.179W/kg (WLAN 11a Aux ant 5.2GHz)

14.3.3. Edge 3 Simultaneous Transmission analysis

Applied formula f1

The $[\Sigma$ of (the highest measured or estimated SAR for each standalone antenna configuration, adjusted for maximum tune-up tolerance) / 1.6 W/kg] + $[\Sigma$ of MPE ratios] is ≤ 1.0 . (f1)

The maximum reported SAR f for the WLAN aux antenna at edge 3 is 1.179W/kg.

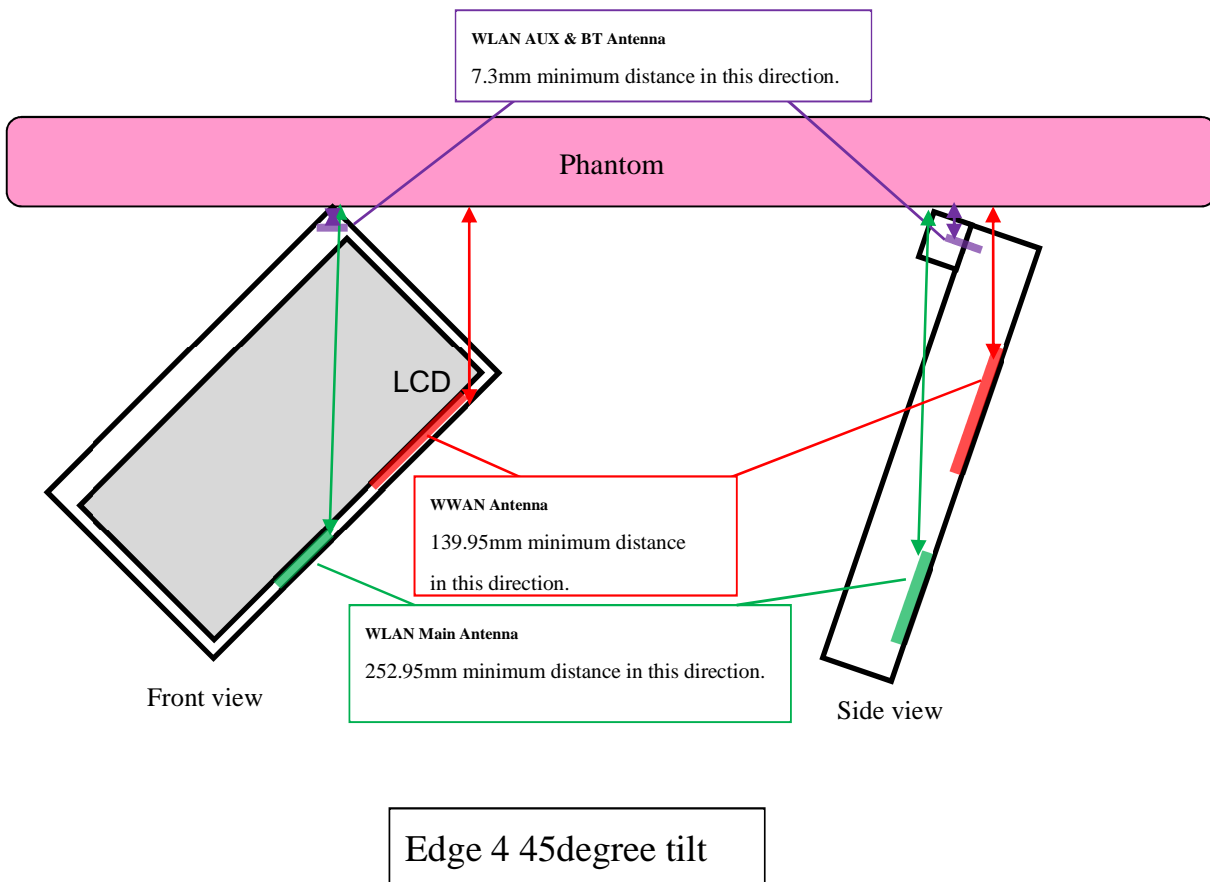
The maximum MPE ratio of the limit for the WLAN aux antenna at edge 2 is 0.006

The maximum MPE ratio of the limit for the WWAN antenna at edge 2 is 0.120

$1.179/1.6 + (0.120+0.007) = 0.864$ which is ≤ 1.0

14.4. Edge 4 tilt for WWAN and WLAN 2 Tx (MIMO)

When tested in the tilt position the antennas on the opposite edge are closer to the phantom than when the DUT is vertical.



The WLAN main antenna 253mm was used as the separation distance when calculating the MPE when the DUT was tilted.

14.4.1. MPE calculations for the WLAN Main antenna

WLAN MPE calculations are taken from UL Japan, Inc. SAR report number 33LE0029-HO-A-R1

Mode	Frequency (MHz)	Output power (dBm)	Gain (dBi)	Duty Cycle	EIRP (mW)	Distance (cm)	Power density (mW/cm ²)	FCC Limit (mW/cm ²)	% of limit
WLAN Main ant	2462	15.0	0.86	100%	38.5	25.3	0.0048	1.00	0.48%
	5240	14.0	-2.87	100%	13.0	25.3	0.0016	1.00	0.16%
	5320	14.5	-2.87	100%	14.6	25.3	0.0018	1.00	0.18%
	5700	15.0	-6.92	100%	6.4	25.3	0.0008	1.00	0.08%
	5825	15.0	-6.10	100%	7.8	25.3	0.0010	1.00	0.10%

WLAN Main antenna: MPE ratio compared to the MPE limit is 0.005 (WLAN Main ant 2.4GHz)

14.4.2. Maximum SAR for the WLAN main and aux antenna at edge 4 tilt

WWAN antenna: 0.400W/kg (The estimated SAR)

WLAN Aux antenna: 0.615W/kg (WLAN 11a Aux ant 5.5GHz)

14.4.3. Edge 4 tilt Simultaneous Transmission analysis

Applied formula f1

The [Σ of (the highest measured or estimated SAR for each standalone antenna configuration, adjusted for maximum tune-up tolerance) / 1.6 W/kg] + [Σ of MPE ratios] is ≤ 1.0. (f1)

The estimated SAR for the WWAN antenna at edge 4 tilt is 0.400W/kg.

The maximum reported SAR for the WLAN aux antenna at edge 4 tilt is 0.615W/kg.

The maximum MPE ratio of the limit for the WLAN main antenna at edge 4 tilt is 0.005

$(0.400+0.615)/1.6 + 0.005 = 0.639$ which is ≤ 1.0

15. Appendixes

Refer to separated files for the following appendixes.

- 15.1. SAR system check plots**
- 15.2. SAR test plots for GSM850**
- 15.3. SAR test plots for GSM1900**
- 15.4. SAR test plots for WCDMA Band V**
- 15.5. SAR test plots for WCDMA Band IV**
- 15.6. SAR test plots for WCDMA Band II**
- 15.7. SAR test plots for CDMA Band0**
- 15.8. SAR test plots for CDMA Band1**
- 15.9. SAR test plots for CDMA Band10**
- 15.10. SAR test plots for LTE Band 2**
- 15.11. SAR test plots for LTE Band 4**
- 15.12. SAR test plots for LTE Band 5**
- 15.13. SAR test plots for LTE Band 13**
- 15.14. SAR test plots for LTE Band 17**
- 15.15. SAR test plots for LTE Band 25**
- 15.16. SAR test plots for Repeat Measurement**
- 15.17. SAR Calibration Certificate - Probe EX3DV4 SN3917**
- 15.18. SAR Calibration Certificate - Probe EX3DV4 SN3922**
- 15.19. SAR Calibration Certificate - Dipole D750V3 SN1058**
- 15.20. SAR Calibration Certificate - Dipole D900V2 SN155**
- 15.21. SAR Calibration Certificate - Dipole D1800V2 SN2d040**