



Plot No.	Band	BW (MHz)	Modulation	RB Size	RB Offset	Test Position	Gap (mm)	Power Mode	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
	LTE Band 66	20M	QPSK	1	49	Front	5	Hotspot On	132572	1770	15.60	16.00	1.096	0.02	0.601	0.659
	LTE Band 66	20M	QPSK	50	0	Front	5	Hotspot On	132572	1770	15.44	16.00	1.138	0.03	0.633	0.720
	LTE Band 66	20M	QPSK	1	49	Back	5	Hotspot On	132572	1770	15.60	16.00	1.096	0.03	0.904	0.991
	LTE Band 66	20M	QPSK	1	49	Back	5	Hotspot On	132072	1720	15.53	16.00	1.114	-0.08	0.803	0.895
	LTE Band 66	20M	QPSK	1	49	Back	5	Hotspot On	132322	1745	15.26	16.00	1.186	-0.03	0.847	1.004
	LTE Band 66	20M	QPSK	50	0	Back	5	Hotspot On	132572	1770	15.44	16.00	1.138	0.03	0.955	1.086
	LTE Band 66	20M	QPSK	50	0	Back	5	Hotspot On	132072	1720	15.34	16.00	1.164	0.02	0.846	0.985
	LTE Band 66	20M	QPSK	50	0	Back	5	Hotspot On	132322	1745	15.32	16.00	1.169	-0.01	0.915	1.070
	LTE Band 66	20M	QPSK	100	0	Back	5	Hotspot On	132572	1770	15.31	16.00	1.172	0.03	0.898	1.053
	LTE Band 66	20M	QPSK	1	49	Left Side	5	Hotspot On	132572	1770	15.60	16.00	1.096	0.05	0.063	0.069
	LTE Band 66	20M	QPSK	50	0	Left Side	5	Hotspot On	132572	1770	15.44	16.00	1.138	-0.05	0.069	0.078
	LTE Band 66	20M	QPSK	1	49	Right Side	5	Hotspot On	132572	1770	15.60	16.00	1.096	0.16	0.035	0.039
	LTE Band 66	20M	QPSK	50	0	Right Side	5	Hotspot On	132572	1770	15.44	16.00	1.138	-0.02	0.038	0.043
	LTE Band 66	20M	QPSK	1	49	Bottom Side	5	Hotspot On	132572	1770	15.60	16.00	1.096	-0.03	1.160	1.272
	LTE Band 66	20M	QPSK	1	49	Bottom Side	5	Hotspot On	132072	1720	15.53	16.00	1.114	-0.14	1.110	1.237
	LTE Band 66	20M	QPSK	1	49	Bottom Side	5	Hotspot On	132322	1745	15.26	16.00	1.186	-0.02	1.100	1.304
	LTE Band 66	20M	QPSK	50	0	Bottom Side	5	Hotspot On	132572	1770	15.44	16.00	1.138	-0.18	1.210	1.377
	LTE Band 66	20M	QPSK	50	0	Bottom Side	5	Hotspot On	132072	1720	15.34	16.00	1.164	-0.16	1.090	1.269
	LTE Band 66	20M	QPSK	50	0	Bottom Side	5	Hotspot On	132322	1745	15.32	16.00	1.169	-0.02	1.190	1.392
32	LTE Band 66	20M	QPSK	100	0	Bottom Side	5	Hotspot On	132572	1770	15.31	16.00	1.172	-0.02	1.230	1.442
	LTE Band 25	20M	QPSK	1	0	Front	5	Hotspot On	26140	1860	14.88	15.50	1.153	0.02	0.554	0.639
	LTE Band 25	20M	QPSK	50	0	Front	5	Hotspot On	26140	1860	14.70	15.50	1.202	0.03	0.543	0.653
	LTE Band 25	20M	QPSK	1	0	Back	5	Hotspot On	26140	1860	14.88	15.50	1.153	0.03	0.836	0.964
	LTE Band 25	20M	QPSK	1	0	Back	5	Hotspot On	26340	1880	14.65	15.50	1.216	0.03	0.894	1.087
	LTE Band 25	20M	QPSK	1	0	Back	5	Hotspot On	26590	1905	14.64	15.50	1.219	0.05	0.907	1.106
	LTE Band 25	20M	QPSK	50	0	Back	5	Hotspot On	26140	1860	14.70	15.50	1.202	0.02	0.839	1.009
	LTE Band 25	20M	QPSK	50	0	Back	5	Hotspot On	26340	1880	14.29	15.50	1.321	0	0.900	1.189
	LTE Band 25	20M	QPSK	50	0	Back	5	Hotspot On	26590	1905	14.38	15.50	1.294	0.05	0.904	1.170
	LTE Band 25	20M	QPSK	100	0	Back	5	Hotspot On	26140	1860	14.65	15.50	1.216	0	0.922	1.121
	LTE Band 25	20M	QPSK	1	0	Left Side	5	Hotspot On	26140	1860	14.88	15.50	1.153	0.06	0.066	0.076
	LTE Band 25	20M	QPSK	50	0	Left Side	5	Hotspot On	26140	1860	14.70	15.50	1.202	0.09	0.064	0.076
	LTE Band 25	20M	QPSK	1	0	Right Side	5	Hotspot On	26140	1860	14.88	15.50	1.153	0.02	0.024	0.028
	LTE Band 25	20M	QPSK	50	0	Right Side	5	Hotspot On	26140	1860	14.70	15.50	1.202	0.05	0.024	0.029
	LTE Band 25	20M	QPSK	1	0	Bottom Side	5	Hotspot On	26140	1860	14.88	15.50	1.153	-0.05	1.090	1.257
	LTE Band 25	20M	QPSK	1	0	Bottom Side	5	Hotspot On	26340	1880	14.65	15.50	1.216	-0.04	1.060	1.289
	LTE Band 25	20M	QPSK	1	0	Bottom Side	5	Hotspot On	26590	1905	14.64	15.50	1.219	-0.19	1.110	1.353
	LTE Band 25	20M	QPSK	50	0	Bottom Side	5	Hotspot On	26140	1860	14.70	15.50	1.202	-0.02	1.110	1.335
	LTE Band 25	20M	QPSK	50	0	Bottom Side	5	Hotspot On	26340	1880	14.29	15.50	1.321	-0.13	1.050	1.387
33	LTE Band 25	20M	QPSK	50	0	Bottom Side	5	Hotspot On	26590	1905	14.38	15.50	1.294	-0.07	1.090	1.411
	LTE Band 25	20M	QPSK	100	0	Bottom Side	5	Hotspot On	26140	1860	14.65	15.50	1.216	-0.07	1.090	1.326



Plot No.	Band	BW (MHz)	Modulation	RB Size	RB Offset	Test Position	Gap (mm)	Power Mode	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
	LTE Band 7	20M	QPSK	1	0	Front	5	Hotspot On	20850	2510	18.46	19.00	1.132	0.01	0.679	0.769
	LTE Band 7	20M	QPSK	50	0	Front	5	Hotspot On	20850	2510	18.50	19.00	1.122	0	0.663	0.744
	LTE Band 7	20M	QPSK	1	0	Back	5	Hotspot On	20850	2510	18.46	19.00	1.132	-0.01	1.080	1.223
	LTE Band 7	20M	QPSK	1	0	Back	5	Hotspot On	21100	2535	18.43	19.00	1.140	-0.03	1.070	1.220
	LTE Band 7	20M	QPSK	1	0	Back	5	Hotspot On	21350	2560	18.37	19.00	1.156	0.05	1.120	1.295
	LTE Band 7	20M	QPSK	50	0	Back	5	Hotspot On	20850	2510	18.50	19.00	1.122	0.03	1.050	1.178
	LTE Band 7	20M	QPSK	50	0	Back	5	Hotspot On	21100	2535	18.15	19.00	1.216	0.13	1.030	1.253
34	LTE Band 7	20M	QPSK	50	0	Back	5	Hotspot On	21350	2560	18.29	19.00	1.178	0.03	1.130	1.331
	LTE Band 7	20M	QPSK	100	0	Back	5	Hotspot On	21350	2560	18.36	19.00	1.159	0.07	1.110	1.286
	LTE Band 7	20M	QPSK	1	0	Left Side	5	Hotspot On	20850	2510	18.46	19.00	1.132	0.09	0.048	0.054
	LTE Band 7	20M	QPSK	50	0	Left Side	5	Hotspot On	20850	2510	18.50	19.00	1.122	0.04	0.046	0.051
	LTE Band 7	20M	QPSK	1	0	Right Side	5	Hotspot On	20850	2510	18.46	19.00	1.132	-0.07	0.466	0.528
	LTE Band 7	20M	QPSK	50	0	Right Side	5	Hotspot On	20850	2510	18.50	19.00	1.122	-0.09	0.457	0.513
	LTE Band 7	20M	QPSK	1	0	Bottom Side	5	Hotspot On	20850	2510	18.46	19.00	1.132	-0.03	0.503	0.570
	LTE Band 7	20M	QPSK	50	0	Bottom Side	5	Hotspot On	20850	2510	18.50	19.00	1.122	-0.14	0.486	0.545



<TDD LTE SAR>

Plot No.	Band	BW (MHz)	Modulation	RB Size	RB Offset	Test Position	Gap (mm)	Power Class	Power Reduction	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Duty Cycle %	Duty Cycle Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
	LTE Band 41	20M	QPSK	1	99	Front	5	3	Hotspot On	39750	2506	20.80	21.00	1.047	62.9	1.006	-0.07	0.686	0.723
	LTE Band 41	20M	QPSK	1	99	Front	5	3	Hotspot On	40185	2549.5	20.52	21.00	1.117	62.9	1.006	0.03	0.688	0.773
	LTE Band 41	20M	QPSK	1	99	Front	5	3	Hotspot On	40620	2593	20.74	21.00	1.062	62.9	1.006	-0.12	0.689	0.736
	LTE Band 41	20M	QPSK	1	99	Front	5	3	Hotspot On	41055	2636.5	20.62	21.00	1.091	62.9	1.006	-0.08	0.737	0.809
	LTE Band 41	20M	QPSK	1	99	Front	5	3	Hotspot On	41490	2680	20.59	21.00	1.099	62.9	1.006	-0.08	0.758	0.838
	LTE Band 41	20M	QPSK	50	24	Front	5	3	Hotspot On	39750	2506	20.94	21.00	1.014	62.9	1.006	-0.12	0.651	0.664
	LTE Band 41	20M	QPSK	50	24	Front	5	3	Hotspot On	40185	2549.5	20.74	21.00	1.062	62.9	1.006	-0.01	0.686	0.733
	LTE Band 41	20M	QPSK	50	24	Front	5	3	Hotspot On	40620	2593	20.56	21.00	1.107	62.9	1.006	-0.02	0.687	0.765
	LTE Band 41	20M	QPSK	50	24	Front	5	3	Hotspot On	41055	2636.5	20.70	21.00	1.072	62.9	1.006	-0.1	0.691	0.745
	LTE Band 41	20M	QPSK	50	24	Front	5	3	Hotspot On	41490	2680	20.49	21.00	1.125	62.9	1.006	-0.03	0.732	0.828
	LTE Band 41	20M	QPSK	100	0	Front	5	3	Hotspot On	39750	2506	20.75	21.00	1.059	62.9	1.006	0.03	0.721	0.768
	LTE Band 41	20M	QPSK	1	99	Back	5	3	Hotspot On	39750	2506	20.80	21.00	1.047	62.9	1.006	0.01	1.220	1.285
	LTE Band 41	20M	QPSK	1	99	Back	5	3	Hotspot On	40185	2549.5	20.52	21.00	1.117	62.9	1.006	-0.02	1.180	1.326
	LTE Band 41	20M	QPSK	1	99	Back	5	3	Hotspot On	40620	2593	20.74	21.00	1.062	62.9	1.006	-0.13	1.150	1.228
35	LTE Band 41	20M	QPSK	1	99	Back	5	3	Hotspot On	41055	2636.5	20.62	21.00	1.091	62.9	1.006	-0.05	1.270	1.394
	LTE Band 41	20M	QPSK	1	99	Back	5	3	Hotspot On	41490	2680	20.59	21.00	1.099	62.9	1.006	-0.13	1.060	1.172
	LTE Band 41	20M	QPSK	50	24	Back	5	3	Hotspot On	39750	2506	20.94	21.00	1.014	62.9	1.006	-0.04	1.050	1.071
	LTE Band 41	20M	QPSK	50	24	Back	5	3	Hotspot On	40185	2549.5	20.74	21.00	1.062	62.9	1.006	-0.1	1.080	1.154
	LTE Band 41	20M	QPSK	50	24	Back	5	3	Hotspot On	40620	2593	20.56	21.00	1.107	62.9	1.006	-0.01	1.060	1.180
	LTE Band 41	20M	QPSK	50	24	Back	5	3	Hotspot On	41055	2636.5	20.70	21.00	1.072	62.9	1.006	0.01	1.040	1.121
	LTE Band 41	20M	QPSK	50	24	Back	5	3	Hotspot On	41490	2680	20.49	21.00	1.125	62.9	1.006	-0.04	0.997	1.128
	LTE Band 41	20M	QPSK	100	0	Back	5	3	Hotspot On	39750	2506	20.75	21.00	1.059	62.9	1.006	-0.05	1.120	1.193
	LTE Band 41	20M	QPSK	1	99	Left Side	5	3	Hotspot On	39750	2506	20.80	21.00	1.047	62.9	1.006	0.012	0.066	0.070
	LTE Band 41	20M	QPSK	50	24	Left Side	5	3	Hotspot On	39750	2506	20.94	21.00	1.014	62.9	1.006	-0.09	0.062	0.063
	LTE Band 41	20M	QPSK	1	99	Right Side	5	3	Hotspot On	39750	2506	20.80	21.00	1.047	62.9	1.006	-0.05	0.533	0.561
	LTE Band 41	20M	QPSK	50	24	Right Side	5	3	Hotspot On	39750	2506	20.94	21.00	1.014	62.9	1.006	0.01	0.425	0.433
	LTE Band 41	20M	QPSK	1	99	Bottom Side	5	3	Hotspot On	41055	2636.5	20.62	21.00	1.091	62.9	1.006	-0.04	0.576	0.632
	LTE Band 41	20M	QPSK	1	99	Bottom Side	5	3	Hotspot On	40185	2549.5	20.52	21.00	1.117	62.9	1.006	0.01	0.662	0.744
	LTE Band 41	20M	QPSK	1	99	Bottom Side	5	3	Hotspot On	40620	2593	20.74	21.00	1.062	62.9	1.006	-0.09	0.558	0.596
	LTE Band 41	20M	QPSK	1	99	Bottom Side	5	3	Hotspot On	39750	2506	20.80	21.00	1.047	62.9	1.006	0.012	0.609	0.642
	LTE Band 41	20M	QPSK	1	99	Bottom Side	5	3	Hotspot On	41490	2680	20.59	21.00	1.099	62.9	1.006	0.01	0.553	0.611
	LTE Band 41	20M	QPSK	50	24	Bottom Side	5	3	Hotspot On	41055	2636.5	20.70	21.00	1.072	62.9	1.006	-0.11	0.606	0.653
	LTE Band 41	20M	QPSK	50	24	Bottom Side	5	3	Hotspot On	39750	2506	20.94	21.00	1.014	62.9	1.006	-0.17	0.642	0.655
	LTE Band 41	20M	QPSK	50	24	Bottom Side	5	3	Hotspot On	40620	2593	20.56	21.00	1.107	62.9	1.006	0.02	0.468	0.521
	LTE Band 41	20M	QPSK	50	24	Bottom Side	5	3	Hotspot On	40185	2549.5	20.74	21.00	1.062	62.9	1.006	-0.08	0.493	0.527
	LTE Band 41	20M	QPSK	50	24	Bottom Side	5	3	Hotspot On	41490	2680	20.49	21.00	1.125	62.9	1.006	-0.13	0.548	0.620
	LTE Band 41	20M	QPSK	100	0	Bottom Side	5	3	Hotspot On	39750	2506	20.75	21.00	1.059	62.9	1.006	-0.11	0.659	0.702



**FCC SAR Test Report**

**Report No. : FA891009**

Plot No.	Band	BW (MHz)	Modulation	RB Size	RB Offset	Test Position	Gap (mm)	Power Class	Power Reduction	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Duty Cycle %	Duty Cycle Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
	LTE Band 41	20M	QPSK	1	99	Front	5	2	Hotspot On	39750	2506	20.97	21.00	1.007	42.9	1.009	0.02	0.396	0.402
	LTE Band 41	20M	QPSK	50	24	Front	5	2	Hotspot On	39750	2506	20.72	21.00	1.067	42.9	1.009	-0.01	0.411	0.442
	LTE Band 41	20M	QPSK	1	99	Back	5	2	Hotspot On	39750	2506	20.97	21.00	1.007	42.9	1.009	-0.02	0.720	0.732
	LTE Band 41	20M	QPSK	1	99	Back	5	2	Hotspot On	40185	2549.5	20.80	21.00	1.047	42.9	1.009	-0.01	0.778	0.822
	LTE Band 41	20M	QPSK	1	99	Back	5	2	Hotspot On	40620	2593	20.78	21.00	1.052	42.9	1.009	-0.13	0.799	0.848
	LTE Band 41	20M	QPSK	1	99	Back	5	2	Hotspot On	41055	2636.5	20.78	21.00	1.052	42.9	1.009	-0.04	0.857	0.910
	LTE Band 41	20M	QPSK	1	99	Back	5	2	Hotspot On	41490	2680	20.77	21.00	1.054	42.9	1.009	0	0.876	0.932
	LTE Band 41	20M	QPSK	50	24	Back	5	2	Hotspot On	39750	2506	20.72	21.00	1.067	42.9	1.009	-0.06	0.686	0.738
	LTE Band 41	20M	QPSK	50	24	Back	5	2	Hotspot On	40185	2549.5	20.64	21.00	1.086	42.9	1.009	0.07	0.739	0.810
	LTE Band 41	20M	QPSK	50	24	Back	5	2	Hotspot On	40620	2593	20.41	21.00	1.146	42.9	1.009	-0.02	0.770	0.890
	LTE Band 41	20M	QPSK	50	24	Back	5	2	Hotspot On	41055	2636.5	20.60	21.00	1.096	42.9	1.009	-0.02	0.772	0.854
	LTE Band 41	20M	QPSK	50	24	Back	5	2	Hotspot On	41490	2680	20.34	21.00	1.164	42.9	1.009	0.07	0.803	0.943
	LTE Band 41	20M	QPSK	100	0	Back	5	2	Hotspot On	39750	2506	20.77	21.00	1.054	42.9	1.009	0.02	0.798	0.849
	LTE Band 41	20M	QPSK	1	99	Left Side	5	2	Hotspot On	39750	2506	20.97	21.00	1.007	42.9	1.009	0.03	0.048	0.048
	LTE Band 41	20M	QPSK	50	24	Left Side	5	2	Hotspot On	39750	2506	20.72	21.00	1.067	42.9	1.009	0.14	0.046	0.050
	LTE Band 41	20M	QPSK	1	99	Right Side	5	2	Hotspot On	39750	2506	20.97	21.00	1.007	42.9	1.009	-0.05	0.325	0.330
	LTE Band 41	20M	QPSK	50	24	Right Side	5	2	Hotspot On	39750	2506	20.72	21.00	1.067	42.9	1.009	-0.16	0.311	0.335
	LTE Band 41	20M	QPSK	1	99	Bottom Side	5	2	Hotspot On	39750	2506	20.97	21.00	1.007	42.9	1.009	-0.03	0.443	0.450
	LTE Band 41	20M	QPSK	50	24	Bottom Side	5	2	Hotspot On	39750	2506	20.72	21.00	1.067	42.9	1.009	-0.02	0.438	0.471

<WLAN 2.4GHz SAR>

Plot No.	Band	Mode	Test Position	Gap (mm)	Power Mode	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Duty Cycle %	Duty Cycle Scaling Factor	Power Drift (dB)	Max Area Scan SAR	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
	WLAN2.4GHz	802.11b 1Mbps	Front	5	Hotspot On	11	2462	15.94	16.50	1.138	97.59	1.025	0.05	0.490	0.398	0.464
36	WLAN2.4GHz	802.11b 1Mbps	Back	5	Hotspot On	11	2462	15.94	16.50	1.138	97.59	1.025	-0.01	1.018	0.769	0.897
	WLAN2.4GHz	802.11b 1Mbps	Back	5	Hotspot On	1	2412	15.91	16.50	1.146	97.59	1.025	0.01		0.593	0.696
	WLAN2.4GHz	802.11b 1Mbps	Left Side	5	Full	1	2412	19.07	19.50	1.105	97.59	1.025		0.393		
	WLAN2.4GHz	802.11b 1Mbps	Top Side	5	Hotspot On	11	2462	15.94	16.50	1.138	97.59	1.025	-0.14	0.714	0.564	0.658
	WLAN2.4GHz	802.11b 1Mbps	Back	5	Hotspot On	6	2437	15.89	16.50	1.151	97.59	1.025	0.03		0.566	0.668

Plot No.	Band	Mode	Test Position	Gap (mm)	Power Mode	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Duty Cycle %	Duty Cycle Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
	Bluetooth	1Mbps	Front	5	Full	39	2441	9.68	10.00	1.076	77.13	1.080	-0.02	0.047	0.054
37	Bluetooth	1Mbps	Back	5	Full	39	2441	9.68	10.00	1.076	77.13	1.080	-0.06	0.098	0.114
	Bluetooth	1Mbps	Left Side	5	Full	39	2441	9.68	10.00	1.076	77.13	1.080	0.12	0.019	0.022
	Bluetooth	1Mbps	Top Side	5	Full	39	2441	9.68	10.00	1.076	77.13	1.080	-0.01	0.061	0.071
	Bluetooth	1Mbps	Back	5	Full	0	2402	8.37	10.00	1.455	77.13	1.080	-0.03	0.072	0.112
	Bluetooth	1Mbps	Back	5	Full	78	2480	9.06	10.00	1.242	77.13	1.080	-0.14	0.078	0.104

<WLAN 5GHz SAR>

Plot No.	Band	Mode	Test Position	Gap (mm)	Power Mode	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Duty Cycle %	Duty Cycle Scaling Factor	Power Drift (dB)	Max Area Scan SAR	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
	WLAN5.2GHz	802.11a 6Mbps	Front	5	Hotspot On	48	5240	16.05	16.50	1.109	93.2	1.073	-0.01	0.751	0.349	0.415
38	WLAN5.2GHz	802.11a 6Mbps	Back	5	Hotspot On	48	5240	16.05	16.50	1.109	93.2	1.073	-0.01	2.242	0.912	1.085
	WLAN5.2GHz	802.11a 6Mbps	Left Side	5	Full	44	5220	18.94	19.00	1.015	93.2	1.073	0.03	0.312	0.133	0.145
	WLAN5.2GHz	802.11a 6Mbps	Top Side	5	Hotspot On	48	5240	16.05	16.50	1.109	93.2	1.073		0.666		
	WLAN5.2GHz	802.11a 6Mbps	Back	5	Hotspot On	44	5220	15.94	16.50	1.139	93.2	1.073	-0.18		0.731	0.893
	WLAN5.2GHz	802.11a 6Mbps	Back	5	Hotspot On	36	5180	15.80	16.50	1.175	93.2	1.073	-0.03		0.693	0.874
	WLAN 5.8GHz	802.11a 6Mbps	Front	5	Hotspot On	165	5825	14.95	15.50	1.135	93.2	1.073	-0.01	0.482	0.199	0.242
	WLAN 5.8GHz	802.11a 6Mbps	Back	5	Hotspot On	165	5825	14.95	15.50	1.135	93.2	1.073	-0.07	1.926	0.729	0.888
	WLAN 5.8GHz	802.11a 6Mbps	Left Side	5	Full	165	5825	18.77	19.00	1.055	93.2	1.073		0.209		
	WLAN 5.8GHz	802.11a 6Mbps	Top Side	5	Hotspot On	165	5825	14.95	15.50	1.135	93.2	1.073	0.09	0.736	0.314	0.382
39	WLAN 5.8GHz	802.11a 6Mbps	Back	5	Hotspot On	149	5745	14.74	15.50	1.192	93.2	1.073	-0.11		0.734	0.939
	WLAN 5.8GHz	802.11a 6Mbps	Back	5	Hotspot On	157	5785	14.57	15.50	1.239	93.2	1.073	-0.04		0.669	0.889



**15.3 Body Worn Accessory SAR**

**<GSM SAR>**

Plot No.	Band	Mode	Test Position	Gap (mm)	Headset	Power Mode	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
	GSM850	GPRS 4 Tx slots	Front	5	-	P-Sensor On	128	824.2	26.01	26.50	1.119	-0.03	0.611	0.684
	GSM850	GPRS 4 Tx slots	Back	5	-	P-Sensor On	128	824.2	26.01	26.50	1.119	-0.06	0.775	0.868
	GSM850	GPRS 4 Tx slots	Back	5	-	P-Sensor On	189	836.4	25.97	26.50	1.130	-0.06	1.030	1.164
40	GSM850	GPRS 4 Tx slots	Back	5	-	P-Sensor On	251	848.8	25.80	26.50	1.175	-0.06	1.080	<b>1.269</b>
	GSM850	GPRS 4 Tx slots	Back	5	Headset	P-Sensor On	251	848.8	25.80	26.50	1.175	-0.06	0.913	1.073
	GSM850	GPRS 4 Tx slots	Back	5	Headset	P-Sensor On	128	824.2	26.01	26.50	1.119	0.02	0.615	0.688
	GSM850	GPRS 4 Tx slots	Back	5	Headset	P-Sensor On	189	836.4	25.97	26.50	1.130	-0.06	0.868	0.981
	GSM1900	GPRS 4 Tx slots	Front	5	-	P-Sensor On	810	1909.8	19.32	19.50	1.042	0.15	0.965	1.006
	GSM1900	GPRS 4 Tx slots	Front	5	-	P-Sensor On	512	1850.2	19.16	19.50	1.081	0.03	0.975	1.054
	GSM1900	GPRS 4 Tx slots	Front	5	-	P-Sensor On	661	1880	19.30	19.50	1.047	-0.02	0.970	1.016
	GSM1900	GPRS 4 Tx slots	Back	5	-	P-Sensor On	810	1909.8	19.32	19.50	1.042	-0.05	1.340	1.397
41	GSM1900	GPRS 4 Tx slots	Back	5	-	P-Sensor On	512	1850.2	19.16	19.50	1.081	0.01	1.310	<b>1.417</b>
	GSM1900	GPRS 4 Tx slots	Back	5	-	P-Sensor On	661	1880	19.30	19.50	1.047	0.05	1.310	1.372
	GSM1900	GPRS 4 Tx slots	Back	5	Headset	P-Sensor On	512	1850.2	19.16	19.50	1.081	-0.08	1.300	1.406
	GSM1900	GPRS 4 Tx slots	Back	5	Headset	P-Sensor On	661	1880	19.30	19.50	1.047	-0.01	1.240	1.298
	GSM1900	GPRS 4 Tx slots	Back	5	Headset	P-Sensor On	810	1909.8	19.32	19.50	1.042	0.06	1.220	1.272



<WCDMA SAR>

Plot No.	Band	Mode	Test Position	Gap (mm)	Headset	Power Mode	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
	WCDMA Band V	RMC 12.2Kbps	Front	5	-	P-Sensor On	4132	826.4	22.49	23.00	1.125	-0.05	0.643	0.723
	WCDMA Band V	RMC 12.2Kbps	Back	5	-	P-Sensor On	4132	826.4	22.49	23.00	1.125	0.02	0.933	1.049
	WCDMA Band V	RMC 12.2Kbps	Back	5	-	P-Sensor On	4182	836.4	22.27	23.00	1.183	0.02	0.935	1.106
42	WCDMA Band V	RMC 12.2Kbps	Back	5	-	P-Sensor On	4233	846.6	22.30	23.00	1.175	-0.04	0.984	<b>1.156</b>
	WCDMA Band IV	RMC 12.2Kbps	Front	5	-	P-Sensor On	1413	1732.6	16.70	17.00	1.072	0	0.796	0.853
	WCDMA Band IV	RMC 12.2Kbps	Front	5	-	P-Sensor On	1312	1712.4	16.69	17.00	1.074	0	0.774	0.831
	WCDMA Band IV	RMC 12.2Kbps	Front	5	-	P-Sensor On	1513	1752.6	16.64	17.00	1.086	0.01	0.846	0.919
	WCDMA Band IV	RMC 12.2Kbps	Back	5	-	P-Sensor On	1413	1732.6	16.70	17.00	1.072	-0.05	1.120	1.200
	WCDMA Band IV	RMC 12.2Kbps	Back	5	-	P-Sensor On	1312	1712.4	16.69	17.00	1.074	0.07	1.090	1.171
	WCDMA Band IV	RMC 12.2Kbps	Back	5	-	P-Sensor On	1513	1752.6	16.64	17.00	1.086	0.04	1.250	1.358
	WCDMA Band IV	RMC 12.2Kbps	Back	5	Headset	P-Sensor On	1513	1752.6	16.64	17.00	1.086	-0.17	1.210	1.315
43	WCDMA Band IV	RMC 12.2Kbps	Back	5	Headset	P-Sensor On	1312	1712.4	16.69	17.00	1.074	0.04	1.290	<b>1.385</b>
	WCDMA Band IV	RMC 12.2Kbps	Back	5	Headset	P-Sensor On	1413	1732.6	16.70	17.00	1.072	-0.06	1.290	1.382
	WCDMA Band II	RMC 12.2Kbps	Front	5	-	P-Sensor On	9538	1907.6	16.18	16.50	1.076	0.02	0.762	0.820
	WCDMA Band II	RMC 12.2Kbps	Front	5	-	P-Sensor On	9262	1852.4	16.15	16.50	1.084	0	0.744	0.806
	WCDMA Band II	RMC 12.2Kbps	Front	5	-	P-Sensor On	9400	1880	15.96	16.50	1.132	0.08	0.770	0.872
	WCDMA Band II	RMC 12.2Kbps	Back	5	-	P-Sensor On	9538	1907.6	16.18	16.50	1.076	-0.01	1.190	1.281
	WCDMA Band II	RMC 12.2Kbps	Back	5	-	P-Sensor On	9262	1852.4	16.15	16.50	1.084	0	1.130	1.225
44	WCDMA Band II	RMC 12.2Kbps	Back	5	-	P-Sensor On	9400	1880	15.96	16.50	1.132	-0.01	1.160	<b>1.314</b>
	WCDMA Band II	RMC 12.2Kbps	Back	5	Headset	P-Sensor On	9400	1880	15.96	16.50	1.132	0.02	0.988	1.119
	WCDMA Band II	RMC 12.2Kbps	Back	5	Headset	P-Sensor On	9262	1852.4	16.15	16.50	1.084	0	1.080	1.171
	WCDMA Band II	RMC 12.2Kbps	Back	5	Headset	P-Sensor On	9538	1907.6	16.18	16.50	1.076	-0.05	1.020	1.098



<CDMA2000 SAR>

Plot No.	Band	Mode	Test Position	Gap (mm)	Headset	Power Mode	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
	CDMA2000 BC0	RC3 SO32 (F+SCH)	Front	5	-	Full	777	848.31	24.24	24.50	1.062	0.02	0.794	0.843
	CDMA2000 BC0	RC3 SO32 (F+SCH)	Back	5	-	Full	777	848.31	24.24	24.50	1.062	0.01	1.240	1.317
	CDMA2000 BC0	RC3 SO32 (F+SCH)	Back	5	-	Full	1013	824.7	24.15	24.50	1.084	-0.02	1.090	1.181
45	CDMA2000 BC0	RC3 SO32 (F+SCH)	Back	5	-	Full	384	836.52	24.16	24.50	1.081	0.02	1.230	1.330
	CDMA2000 BC0	RC3 SO32 (F+SCH)	Back	5	Headset	Full	384	836.52	24.16	24.50	1.081	0.03	0.504	0.545
	CDMA2000 BC1	RC3 SO32 (F+SCH)	Front	5	-	P-Sensor On	600	1880	17.18	17.50	1.076	0.09	0.769	0.828
	CDMA2000 BC1	RC3 SO32 (F+SCH)	Front	5	-	P-Sensor On	25	1851.25	17.15	17.50	1.084	0.05	0.745	0.808
	CDMA2000 BC1	RC3 SO32 (F+SCH)	Front	5	-	P-Sensor On	1175	1908.75	17.09	17.50	1.099	0.1	0.760	0.835
	CDMA2000 BC1	RC3 SO32 (F+SCH)	Back	5	-	P-Sensor On	600	1880	17.18	17.50	1.076	-0.01	1.190	1.281
	CDMA2000 BC1	RC3 SO32 (F+SCH)	Back	5	-	P-Sensor On	25	1851.25	17.15	17.50	1.084	0	1.180	1.279
46	CDMA2000 BC1	RC3 SO32 (F+SCH)	Back	5	-	P-Sensor On	1175	1908.75	17.09	17.50	1.099	-0.01	1.200	1.319
	CDMA2000 BC1	RC3 SO32 (F+SCH)	Back	5	Headset	P-Sensor On	600	1880	17.18	17.50	1.076	-0.01	0.995	1.071
	CDMA2000 BC1	RC3 SO32 (F+SCH)	Back	5	Headset	P-Sensor On	25	1851.25	17.15	17.50	1.084	0	0.978	1.060
	CDMA2000 BC1	RC3 SO32 (F+SCH)	Back	5	Headset	P-Sensor On	1175	1908.75	17.09	17.50	1.099	-0.02	0.960	1.055
	CDMA2000 BC10	RC3 SO32 (F+SCH)	Front	5	-	Full	580	820.5	24.27	24.50	1.054	0.01	0.709	0.748
	CDMA2000 BC10	RC3 SO32 (F+SCH)	Back	5	-	Full	580	820.5	24.27	24.50	1.054	-0.01	1.090	1.149
	CDMA2000 BC10	RC3 SO32 (F+SCH)	Back	5	-	Full	476	817.9	24.22	24.50	1.067	-0.03	1.090	1.163
47	CDMA2000 BC10	RC3 SO32 (F+SCH)	Back	5	-	Full	684	823.1	24.20	24.50	1.072	-0.09	1.090	1.168



<FDD LTE SAR>

Plot No.	Band	BW (MHz)	Modulation	RB Size	RB Offset	Test Position	Gap (mm)	Headset	Power Mode	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
	LTE Band 13	10M	QPSK	1	25	Front	5	-	Full	23230	782	22.92	23.50	1.143	-0.06	0.475	0.543
	LTE Band 13	10M	QPSK	25	12	Front	5	-	Full	23230	782	22.21	23.00	1.199	0.01	0.539	0.647
48	LTE Band 13	10M	QPSK	1	25	Back	5	-	Full	23230	782	22.92	23.50	1.143	-0.07	0.844	0.965
	LTE Band 13	10M	QPSK	25	12	Back	5	-	Full	23230	782	22.21	23.00	1.199	-0.06	0.524	0.629
	LTE Band 13	10M	QPSK	50	0	Back	5	-	Full	23230	782	22.16	23.00	1.213	0.04	0.516	0.626
	LTE Band 12	10M	QPSK	1	25	Front	5	-	Full	23095	707.5	23.32	23.50	1.042	-0.01	0.513	0.535
	LTE Band 12	10M	QPSK	25	12	Front	5	-	Full	23095	707.5	22.22	23.00	1.197	-0.01	0.303	0.363
49	LTE Band 12	10M	QPSK	1	25	Back	5	-	Full	23095	707.5	23.32	23.50	1.042	-0.12	0.811	0.845
	LTE Band 12	10M	QPSK	25	12	Back	5	-	Full	23095	707.5	22.22	23.00	1.197	0.02	0.515	0.616
	LTE Band 12	10M	QPSK	50	0	Back	5	-	Full	23095	707.5	22.10	23.00	1.230	-0.03	0.484	0.595
	LTE Band 26	15M	QPSK	1	37	Front	5	-	P-Sensor On	26865	831.5	22.31	23.00	1.172	0.05	0.662	0.776
	LTE Band 26	15M	QPSK	36	0	Front	5	-	P-Sensor On	26865	831.5	21.83	23.00	1.309	0.03	0.478	0.626
50	LTE Band 26	15M	QPSK	1	37	Back	5	-	P-Sensor On	26865	831.5	22.31	23.00	1.172	-0.07	0.997	1.169
	LTE Band 26	15M	QPSK	36	0	Back	5	-	P-Sensor On	26865	831.5	21.83	23.00	1.309	-0.05	0.664	0.869
	LTE Band 26	15M	QPSK	75	0	Back	5	-	P-Sensor On	26865	831.5	21.59	23.00	1.384	-0.09	0.713	0.986



Plot No.	Band	BW (MHz)	Modulation	RB Size	RB Offset	Test Position	Gap (mm)	Headset	Power Mode	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
	LTE Band 66	20M	QPSK	1	49	Front	5	-	P-Sensor On	132572	1770	17.35	17.50	1.035	-0.03	0.728	0.754
	LTE Band 66	20M	QPSK	50	0	Front	5	-	P-Sensor On	132572	1770	17.29	17.50	1.050	-0.04	0.751	0.788
	LTE Band 66	20M	QPSK	1	49	Back	5	-	P-Sensor On	132572	1770	17.35	17.50	1.035	-0.02	1.220	1.263
	LTE Band 66	20M	QPSK	1	49	Back	5	-	P-Sensor On	132072	1720	16.71	17.50	1.199	0.1	1.080	1.295
	LTE Band 66	20M	QPSK	1	49	Back	5	-	P-Sensor On	132322	1745	17.04	17.50	1.112	0.04	1.250	1.390
	LTE Band 66	20M	QPSK	50	0	Back	5	-	P-Sensor On	132572	1770	17.29	17.50	1.050	0.11	1.330	1.396
	LTE Band 66	20M	QPSK	50	0	Back	5	-	P-Sensor On	132072	1720	16.82	17.50	1.169	0.08	1.150	1.345
	LTE Band 66	20M	QPSK	50	0	Back	5	-	P-Sensor On	132322	1745	17.12	17.50	1.091	0.05	1.230	1.342
	LTE Band 66	20M	QPSK	100	0	Back	5	-	P-Sensor On	132572	1770	17.26	17.50	1.057	0.06	1.260	1.332
	LTE Band 66	20M	QPSK	50	0	Back	5	Headset	P-Sensor On	132572	1770	17.29	17.50	1.050	0.06	1.270	1.333
51	LTE Band 66	20M	QPSK	50	0	Back	5	Headset	P-Sensor On	132072	1720	16.82	17.50	1.169	-0.15	1.230	1.438
	LTE Band 66	20M	QPSK	50	0	Back	5	Headset	P-Sensor On	132322	1745	17.12	17.50	1.091	0.05	1.250	1.364
	LTE Band 25	20M	QPSK	1	0	Front	5	-	P-Sensor On	26140	1860	15.95	16.50	1.135	0	0.772	0.876
	LTE Band 25	20M	QPSK	1	0	Front	5	-	P-Sensor On	26340	1880	15.94	16.50	1.138	-0.07	0.763	0.868
	LTE Band 25	20M	QPSK	1	0	Front	5	-	P-Sensor On	26590	1905	15.92	16.50	1.143	-0.01	0.770	0.880
	LTE Band 25	20M	QPSK	50	0	Front	5	-	P-Sensor On	26140	1860	16.00	16.50	1.122	0.01	0.751	0.843
	LTE Band 25	20M	QPSK	50	0	Front	5	-	P-Sensor On	26340	1880	15.97	16.50	1.130	0	0.729	0.824
	LTE Band 25	20M	QPSK	50	0	Front	5	-	P-Sensor On	26590	1905	15.80	16.50	1.175	0.07	0.750	0.881
	LTE Band 25	20M	QPSK	100	0	Front	5	-	P-Sensor On	26140	1860	15.95	16.50	1.135	-0.02	0.783	0.889
	LTE Band 25	20M	QPSK	1	0	Back	5	-	P-Sensor On	26140	1860	15.95	16.50	1.135	-0.04	1.110	1.260
	LTE Band 25	20M	QPSK	1	0	Back	5	-	P-Sensor On	26340	1880	15.94	16.50	1.138	0.01	1.160	1.320
	LTE Band 25	20M	QPSK	1	0	Back	5	-	P-Sensor On	26590	1905	15.92	16.50	1.143	-0.01	1.170	1.337
	LTE Band 25	20M	QPSK	50	0	Back	5	-	P-Sensor On	26140	1860	16.00	16.50	1.122	0	1.160	1.302
	LTE Band 25	20M	QPSK	50	0	Back	5	-	P-Sensor On	26340	1880	15.97	16.50	1.130	0.03	1.130	1.277
52	LTE Band 25	20M	QPSK	50	0	Back	5	-	P-Sensor On	26590	1905	15.80	16.50	1.175	-0.01	1.150	1.351
	LTE Band 25	20M	QPSK	100	0	Back	5	-	P-Sensor On	26140	1860	15.95	16.50	1.135	0.01	1.160	1.317
	LTE Band 25	20M	QPSK	50	0	Back	5	Headset	P-Sensor On	26140	1860	16.00	16.50	1.122	0.03	0.986	1.106
	LTE Band 25	20M	QPSK	50	0	Back	5	Headset	P-Sensor On	26340	1880	15.97	16.50	1.130	0.02	0.930	1.051
	LTE Band 25	20M	QPSK	50	0	Back	5	Headset	P-Sensor On	26590	1905	15.80	16.50	1.175	0.08	0.966	1.135



Plot No.	Band	BW (MHz)	Modulation	RB Size	RB Offset	Test Position	Gap (mm)	Headset	Power Mode	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
	LTE Band 7	20M	QPSK	1	0	Front	5	-	P-Sensor On	20850	2510	18.46	19.00	1.132	0.01	0.679	0.769
	LTE Band 7	20M	QPSK	50	0	Front	5	-	P-Sensor On	20850	2510	18.50	19.00	1.122	0	0.663	0.744
	LTE Band 7	20M	QPSK	1	0	Back	5	-	P-Sensor On	20850	2510	18.46	19.00	1.132	-0.01	1.080	1.223
	LTE Band 7	20M	QPSK	1	0	Back	5	-	P-Sensor On	21100	2535	18.43	19.00	1.140	-0.03	1.070	1.220
	LTE Band 7	20M	QPSK	1	0	Back	5	-	P-Sensor On	21350	2560	18.37	19.00	1.156	0.05	1.120	1.295
	LTE Band 7	20M	QPSK	50	0	Back	5	-	P-Sensor On	20850	2510	18.50	19.00	1.122	0.03	1.050	1.178
	LTE Band 7	20M	QPSK	50	0	Back	5	-	P-Sensor On	21100	2535	18.15	19.00	1.216	0.13	1.030	1.253
53	LTE Band 7	20M	QPSK	50	0	Back	5	-	P-Sensor On	21350	2560	18.29	19.00	1.178	0.03	1.130	<b>1.331</b>
	LTE Band 7	20M	QPSK	50	0	Back	5	Headset	P-Sensor On	21350	2560	18.29	19.00	1.178	-0.07	0.858	1.010
	LTE Band 7	20M	QPSK	50	0	Back	5	Headset	P-Sensor On	20850	2510	18.50	19.00	1.122	-0.01	0.801	0.899
	LTE Band 7	20M	QPSK	50	0	Back	5	Headset	P-Sensor On	21100	2535	18.15	19.00	1.216	-0.05	0.804	0.978
	LTE Band 7	20M	QPSK	100	0	Back	5	-	P-Sensor On	21350	2560	18.36	19.00	1.159	0.07	1.110	1.286



<TDD LTE SAR>

Plot No.	Band	BW (MHz)	Modulation	RB Size	RB Offset	Test Position	Gap (mm)	Headset	Power Class	Power Mode	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Duty Cycle %	Duty Cycle Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
	LTE Band 41	20M	QPSK	1	99	Front	5	-	3	P-Sensor On	39750	2506	20.80	21.00	1.047	62.9	1.006	-0.07	0.686	0.723
	LTE Band 41	20M	QPSK	1	99	Front	5	-	3	P-Sensor On	40185	2549.5	20.52	21.00	1.117	62.9	1.006	0.03	0.688	0.773
	LTE Band 41	20M	QPSK	1	99	Front	5	-	3	P-Sensor On	40620	2593	20.74	21.00	1.062	62.9	1.006	-0.12	0.689	0.736
	LTE Band 41	20M	QPSK	1	99	Front	5	-	3	P-Sensor On	41055	2636.5	20.62	21.00	1.091	62.9	1.006	-0.08	0.737	0.809
	LTE Band 41	20M	QPSK	1	99	Front	5	-	3	P-Sensor On	41490	2680	20.59	21.00	1.099	62.9	1.006	-0.08	0.758	0.838
	LTE Band 41	20M	QPSK	50	24	Front	5	-	3	P-Sensor On	39750	2506	20.94	21.00	1.014	62.9	1.006	-0.12	0.651	0.664
	LTE Band 41	20M	QPSK	50	24	Front	5	-	3	P-Sensor On	40185	2549.5	20.74	21.00	1.062	62.9	1.006	-0.01	0.686	0.733
	LTE Band 41	20M	QPSK	50	24	Front	5	-	3	P-Sensor On	40620	2593	20.56	21.00	1.107	62.9	1.006	-0.02	0.687	0.765
	LTE Band 41	20M	QPSK	50	24	Front	5	-	3	P-Sensor On	41055	2636.5	20.70	21.00	1.072	62.9	1.006	-0.1	0.691	0.745
	LTE Band 41	20M	QPSK	50	24	Front	5	-	3	P-Sensor On	41490	2680	20.49	21.00	1.125	62.9	1.006	-0.03	0.732	0.828
	LTE Band 41	20M	QPSK	100	0	Front	5	-	3	P-Sensor On	39750	2506	20.75	21.00	1.059	62.9	1.006	0.03	0.721	0.768
	LTE Band 41	20M	QPSK	1	99	Back	5	-	3	P-Sensor On	39750	2506	20.80	21.00	1.047	62.9	1.006	0.01	1.220	1.285
	LTE Band 41	20M	QPSK	1	99	Back	5	-	3	P-Sensor On	40185	2549.5	20.52	21.00	1.117	62.9	1.006	-0.02	1.180	1.326
	LTE Band 41	20M	QPSK	1	99	Back	5	-	3	P-Sensor On	40620	2593	20.74	21.00	1.062	62.9	1.006	-0.13	1.150	1.228
54	LTE Band 41	20M	QPSK	1	99	Back	5	-	3	P-Sensor On	41055	2636.5	20.62	21.00	1.091	62.9	1.006	-0.05	1.270	1.394
	LTE Band 41	20M	QPSK	1	99	Back	5	-	3	P-Sensor On	41490	2680	20.59	21.00	1.099	62.9	1.006	-0.13	1.060	1.172
	LTE Band 41	20M	QPSK	1	99	Back	5	Headset	3	P-Sensor On	41055	2636.5	20.62	21.00	1.091	62.9	1.006	0.12	0.950	1.043
	LTE Band 41	20M	QPSK	1	99	Back	5	Headset	3	P-Sensor On	39750	2506	20.80	21.00	1.047	62.9	1.006	0.03	0.802	0.845
	LTE Band 41	20M	QPSK	1	99	Back	5	Headset	3	P-Sensor On	40185	2549.5	20.52	21.00	1.117	62.9	1.006	0.09	0.759	0.853
	LTE Band 41	20M	QPSK	1	99	Back	5	Headset	3	P-Sensor On	40620	2593	20.74	21.00	1.062	62.9	1.006	0.09	0.838	0.895
	LTE Band 41	20M	QPSK	1	99	Back	5	Headset	3	P-Sensor On	41490	2680	20.59	21.00	1.099	62.9	1.006	0.13	0.884	0.977
	LTE Band 41	20M	QPSK	50	24	Back	5	-	3	P-Sensor On	39750	2506	20.94	21.00	1.014	62.9	1.006	-0.04	1.050	1.071
	LTE Band 41	20M	QPSK	50	24	Back	5	-	3	P-Sensor On	40185	2549.5	20.74	21.00	1.062	62.9	1.006	-0.1	1.080	1.154
	LTE Band 41	20M	QPSK	50	24	Back	5	-	3	P-Sensor On	40620	2593	20.56	21.00	1.107	62.9	1.006	-0.01	1.060	1.180
	LTE Band 41	20M	QPSK	50	24	Back	5	-	3	P-Sensor On	41055	2636.5	20.70	21.00	1.072	62.9	1.006	0.01	1.040	1.121
	LTE Band 41	20M	QPSK	50	24	Back	5	-	3	P-Sensor On	41490	2680	20.49	21.00	1.125	62.9	1.006	-0.04	0.997	1.128
	LTE Band 41	20M	QPSK	100	0	Back	5	-	3	P-Sensor On	39750	2506	20.75	21.00	1.059	62.9	1.006	-0.05	1.120	1.193



**FCC SAR Test Report**

**Report No. : FA891009**

Plot No.	Band	BW (MHz)	Modulation	RB Size	RB Offset	Test Position	Gap (mm)	Headset	Power Class	Power Mode	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Duty Cycle %	Duty Cycle Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
	LTE Band 41	20M	QPSK	1	99	Front	5	-	2	P-Sensor On	39750	2506	20.97	21.00	1.007	42.9	1.009	0.02	0.396	0.402
	LTE Band 41	20M	QPSK	50	24	Front	5	-	2	P-Sensor On	39750	2506	20.72	21.00	1.067	42.9	1.009	-0.01	0.411	0.442
	LTE Band 41	20M	QPSK	1	99	Back	5	-	2	P-Sensor On	39750	2506	20.97	21.00	1.007	42.9	1.009	-0.02	0.720	0.732
	LTE Band 41	20M	QPSK	1	99	Back	5	-	2	P-Sensor On	40185	2549.5	20.80	21.00	1.047	42.9	1.009	-0.01	0.778	0.822
	LTE Band 41	20M	QPSK	1	99	Back	5	-	2	P-Sensor On	40620	2593	20.78	21.00	1.052	42.9	1.009	-0.13	0.799	0.848
	LTE Band 41	20M	QPSK	1	99	Back	5	-	2	P-Sensor On	41055	2636.5	20.78	21.00	1.052	42.9	1.009	-0.04	0.857	0.910
	LTE Band 41	20M	QPSK	1	99	Back	5	-	2	P-Sensor On	41490	2680	20.77	21.00	1.054	42.9	1.009	0	0.876	0.932
	LTE Band 41	20M	QPSK	50	24	Back	5	-	2	P-Sensor On	39750	2506	20.72	21.00	1.067	42.9	1.009	-0.06	0.686	0.738
	LTE Band 41	20M	QPSK	50	24	Back	5	-	2	P-Sensor On	40185	2549.5	20.64	21.00	1.086	42.9	1.009	0.07	0.739	0.810
	LTE Band 41	20M	QPSK	50	24	Back	5	-	2	P-Sensor On	40620	2593	20.41	21.00	1.146	42.9	1.009	-0.02	0.770	0.890
	LTE Band 41	20M	QPSK	50	24	Back	5	-	2	P-Sensor On	41055	2636.5	20.60	21.00	1.096	42.9	1.009	-0.02	0.772	0.854
	LTE Band 41	20M	QPSK	50	24	Back	5	-	2	P-Sensor On	41490	2680	20.34	21.00	1.164	42.9	1.009	0.07	0.803	0.943
	LTE Band 41	20M	QPSK	100	0	Back	5	-	2	P-Sensor On	39750	2506	20.77	21.00	1.054	42.9	1.009	0.02	0.798	0.849



<WLAN 2.4GHz SAR>

Plot No.	Band	Mode	Test Position	Gap (mm)	Power Mode	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Duty Cycle %	Duty Cycle Scaling Factor	Power Drift (dB)	Max Area Scan SAR	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
	WLAN2.4GHz	802.11b 1Mbps	Front	5	P-Sensor On	11	2462	15.94	16.50	1.138	97.59	1.025	0.05	0.490	0.398	0.464
55	WLAN2.4GHz	802.11b 1Mbps	Back	5	P-Sensor On	11	2462	15.94	16.50	1.138	97.59	1.025	-0.01	1.018	0.769	0.897
	WLAN2.4GHz	802.11b 1Mbps	Back	5	P-Sensor On	1	2412	15.91	16.50	1.146	97.59	1.025	0.01		0.593	0.696
	WLAN2.4GHz	802.11b 1Mbps	Back	5	P-Sensor On	6	2437	15.89	16.50	1.151	97.59	1.025	0.03		0.566	0.668

Plot No.	Band	Mode	Test Position	Gap (mm)	Power Mode	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Duty Cycle %	Duty Cycle Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
	Bluetooth	1Mbps	Front	5	Full	39	2441	9.68	10.00	1.076	77.13	1.080	-0.02	0.047	0.054
56	Bluetooth	1Mbps	Back	5	Full	39	2441	9.68	10.00	1.076	77.13	1.080	-0.06	0.098	0.114
	Bluetooth	1Mbps	Back	5	Full	0	2402	8.37	10.00	1.455	77.13	1.080	-0.03	0.072	0.112
	Bluetooth	1Mbps	Back	5	Full	78	2480	9.06	10.00	1.242	77.13	1.080	-0.14	0.078	0.104

<WLAN 5GHz SAR>

Plot No.	Band	Mode	Test Position	Gap (mm)	Power Mode	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Duty Cycle %	Duty Cycle Scaling Factor	Power Drift (dB)	Max Area Scan SAR	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
	WLAN5.3GHz	802.11a 6Mbps	Front	5	P-Sensor On	64	5320	16.40	16.50	1.023	93.2	1.073	0.04	0.732	0.328	0.360
	WLAN5.3GHz	802.11a 6Mbps	Back	5	P-Sensor On	64	5320	16.40	16.50	1.023	93.2	1.073	0.01	2.741	0.984	1.080
57	WLAN5.3GHz	802.11a 6Mbps	Back	5	P-Sensor On	60	5300	16.17	16.50	1.079	93.2	1.073	0.02		0.963	1.115
	WLAN5.3GHz	802.11a 6Mbps	Back	5	P-Sensor On	52	5260	16.12	16.50	1.091	93.2	1.073	0.09		0.806	0.944
	WLAN5.5GHz	802.11a 6Mbps	Front	5	P-Sensor On	100	5500	15.74	16.00	1.062	93.2	1.073	-0.11	0.748	0.314	0.358
	WLAN5.5GHz	802.11a 6Mbps	Back	5	P-Sensor On	100	5500	15.74	16.00	1.062	93.2	1.073	-0.06	2.178	0.803	0.915
58	WLAN5.5GHz	802.11a 6Mbps	Back	5	P-Sensor On	116	5580	15.39	16.00	1.152	93.2	1.073	-0.09		0.863	1.067
	WLAN5.5GHz	802.11a 6Mbps	Back	5	P-Sensor On	140	5700	14.91	16.00	1.285	93.2	1.073	0.08		0.768	1.059
	WLAN5.8GHz	802.11a 6Mbps	Front	5	P-Sensor On	165	5825	14.95	15.50	1.135	93.2	1.073	-0.01	0.482	0.199	0.242
	WLAN5.8GHz	802.11a 6Mbps	Back	5	P-Sensor On	165	5825	14.95	15.50	1.135	93.2	1.073	-0.07	1.926	0.729	0.888
59	WLAN5.8GHz	802.11a 6Mbps	Back	5	P-Sensor On	149	5745	14.74	15.50	1.192	93.2	1.073	-0.11		0.734	0.939
	WLAN 5.8GHz	802.11a 6Mbps	Back	5	Hotspot On	157	5785	14.57	15.50	1.239	93.2	1.073	-0.04		0.669	0.889



**15.4 Product specific 10g SAR**

**<GSM SAR>**

Plot No.	Band	Mode	Test Position	Gap (mm)	Power Mode	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Power Drift (dB)	Measured 10g SAR (W/kg)	Reported 10g SAR (W/kg)
60	GSM850	GPRS 4 Tx slots	Back	0	Full	128	824.2	26.53	27.50	1.250	-0.04	1.150	<b>1.438</b>
	GSM1900	GPRS 4 Tx slots	Front	0	Handheld On	810	1909.8	22.74	23.50	1.191	-0.16	2.270	2.704
61	GSM1900	GPRS 4 Tx slots	Front	0	Handheld On	512	1850.2	22.64	23.50	1.219	-0.12	2.420	<b>2.950</b>
	GSM1900	GPRS 4 Tx slots	Front	0	Handheld On	661	1880	22.73	23.50	1.194	-0.18	2.340	2.794
	GSM1900	GPRS 4 Tx slots	Back	0	Handheld On	810	1909.8	22.74	23.50	1.191	0.04	2.240	2.668
	GSM1900	GPRS 4 Tx slots	Back	0	Handheld On	512	1850.2	22.64	23.50	1.219	-0.06	2.340	2.852
	GSM1900	GPRS 4 Tx slots	Back	0	Handheld On	661	1880	22.73	23.50	1.194	-0.02	2.220	2.651
	GSM1900	GPRS 4 Tx slots	Bottom Side	0	Handheld On	810	1909.8	22.74	23.50	1.191	-0.03	1.670	1.989

**<WCDMA SAR>**

Plot No.	Band	Mode	Test Position	Gap (mm)	Power Mode	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Power Drift (dB)	Measured 10g SAR (W/kg)	Reported 10g SAR (W/kg)
62	WCDMA Band V	RMC 12.2Kbps	Back	0	Handheld On	4132	826.4	23.26	23.50	1.057	-0.02	1.440	<b>1.522</b>
	WCDMA Band IV	RMC 12.2Kbps	Front	0	Handheld On	1413	1732.6	19.83	20.00	1.040	-0.08	2.300	2.392
	WCDMA Band IV	RMC 12.2Kbps	Front	0	Handheld On	1312	1712.4	19.79	20.00	1.050	-0.08	2.270	2.382
	WCDMA Band IV	RMC 12.2Kbps	Front	0	Handheld On	1513	1752.6	19.82	20.00	1.042	-0.08	2.420	2.522
63	WCDMA Band IV	RMC 12.2Kbps	Back	0	Handheld On	1513	1752.6	19.82	20.00	1.042	-0.04	3.060	<b>3.189</b>
	WCDMA Band IV	RMC 12.2Kbps	Back	0	Handheld On	1312	1712.4	19.79	20.00	1.050	-0.06	3.020	3.170
	WCDMA Band IV	RMC 12.2Kbps	Back	0	Handheld On	1413	1732.6	19.83	20.00	1.040	-0.08	2.950	3.068
	WCDMA Band IV	RMC 12.2Kbps	Bottom Side	0	Handheld On	1413	1732.6	19.83	20.00	1.040	-0.08	2.720	2.829
	WCDMA Band IV	RMC 12.2Kbps	Bottom Side	0	Handheld On	1312	1712.4	19.79	20.00	1.050	-0.08	2.880	3.023
	WCDMA Band IV	RMC 12.2Kbps	Bottom Side	0	Handheld On	1513	1752.6	19.82	20.00	1.042	-0.08	2.620	2.731
	WCDMA Band II	RMC 12.2Kbps	Front	0	Handheld On	9538	1907.6	20.80	21.50	1.175	0.13	2.360	2.773
	WCDMA Band II	RMC 12.2Kbps	Front	0	Handheld On	9262	1852.4	20.64	21.50	1.219	0.07	2.440	2.974
	WCDMA Band II	RMC 12.2Kbps	Front	0	Handheld On	9400	1880	20.46	21.50	1.271	0.08	2.500	3.176
	WCDMA Band II	RMC 12.2Kbps	Back	0	Handheld On	9538	1907.6	20.80	21.50	1.175	-0.06	2.670	3.137
	WCDMA Band II	RMC 12.2Kbps	Back	0	Handheld On	9262	1852.4	20.64	21.50	1.219	-0.05	2.650	3.230
64	WCDMA Band II	RMC 12.2Kbps	Back	0	Handheld On	9400	1880	20.46	21.50	1.271	-0.06	2.580	<b>3.278</b>
	WCDMA Band II	RMC 12.2Kbps	Bottom Side	0	Handheld On	9400	1880	20.46	21.50	1.271	-0.08	2.040	2.592
	WCDMA Band II	RMC 12.2Kbps	Bottom Side	0	Handheld On	9262	1852.4	20.64	21.50	1.219	-0.03	2.040	2.487
	WCDMA Band II	RMC 12.2Kbps	Bottom Side	0	Handheld On	9538	1907.6	20.80	21.50	1.175	-0.05	1.990	2.338



<CDMA2000 SAR>

Plot No.	Band	Mode	Test Position	Gap (mm)	Power Mode	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Power Drift (dB)	Measured 10g SAR (W/kg)	Reported 10g SAR (W/kg)
65	CDMA2000 BC0	RTAP 153.6Kbps	Back	0	Full	777	848.31	24.26	24.50	1.057	-0.01	1.380	<b>1.458</b>
	CDMA2000 BC1	RTAP 153.6Kbps	Front	0	Handheld On	1175	1908.75	21.55	22.50	1.245	0.02	2.440	3.037
	CDMA2000 BC1	RTAP 153.6Kbps	Front	0	Handheld On	25	1851.25	21.55	22.50	1.245	0.03	2.530	3.149
	CDMA2000 BC1	RTAP 153.6Kbps	Front	0	Handheld On	600	1880	21.54	22.50	1.247	0.02	2.540	3.168
	CDMA2000 BC1	RTAP 153.6Kbps	Back	0	Handheld On	1175	1908.75	21.55	22.50	1.245	0.06	2.510	3.124
66	CDMA2000 BC1	RTAP 153.6Kbps	Back	0	Handheld On	25	1851.25	21.55	22.50	1.245	0.12	2.650	<b>3.298</b>
	CDMA2000 BC1	RTAP 153.6Kbps	Back	0	Handheld On	600	1880	21.54	22.50	1.247	-0.03	2.580	3.218
	CDMA2000 BC1	RTAP 153.6Kbps	Bottom Side	0	Handheld On	1175	1908.75	21.55	22.50	1.245	-0.12	2.110	2.626
	CDMA2000 BC1	RTAP 153.6Kbps	Bottom Side	0	Handheld On	25	1851.25	21.55	22.50	1.245	-0.12	2.170	2.701
	CDMA2000 BC1	RTAP 153.6Kbps	Bottom Side	0	Handheld On	600	1880	21.54	22.50	1.247	-0.11	2.140	2.669



<FDD LTE SAR>

Plot No.	Band	BW (MHz)	Modulation	RB Size	RB Offset	Test Position	Gap (mm)	Power Mode	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Power Drift (dB)	Measured 10g SAR (W/kg)	Reported 10g SAR (W/kg)
67	LTE Band 26	15M	QPSK	1	37	Back	0	Full	26865	831.5	23.29	23.50	1.050	0.02	0.996	1.045
	LTE Band 26	15M	QPSK	36	0	Back	0	Full	26865	831.5	22.19	23.00	1.205	0.02	0.652	0.786
	LTE Band 66	20M	QPSK	1	49	Front	0	Handheld On	132572	1770	20.19	20.50	1.074	-0.15	2.180	2.341
	LTE Band 66	20M	QPSK	1	49	Front	0	Handheld On	132072	1720	19.98	20.50	1.127	-0.02	2.190	2.469
	LTE Band 66	20M	QPSK	1	49	Front	0	Handheld On	132322	1745	20.10	20.50	1.096	-0.04	2.310	2.533
	LTE Band 66	20M	QPSK	50	0	Front	0	Handheld On	132572	1770	20.31	20.50	1.045	-0.03	2.550	2.664
	LTE Band 66	20M	QPSK	50	0	Front	0	Handheld On	132072	1720	19.96	20.50	1.132	0.03	2.520	2.854
	LTE Band 66	20M	QPSK	50	0	Front	0	Handheld On	132322	1745	20.28	20.50	1.052	-0.09	2.620	2.756
	LTE Band 66	20M	QPSK	100	0	Front	0	Handheld On	132572	1770	20.21	20.50	1.069	-0.05	2.590	2.769
	LTE Band 66	20M	QPSK	1	49	Back	0	Handheld On	132572	1770	20.19	20.50	1.074	-0.05	3.040	3.265
68	LTE Band 66	20M	QPSK	1	49	Back	0	Handheld On	132072	1720	19.98	20.50	1.127	-0.07	2.900	3.269
	LTE Band 66	20M	QPSK	1	49	Back	0	Handheld On	132322	1745	20.10	20.50	1.096	-0.06	2.960	3.246
	LTE Band 66	20M	QPSK	50	0	Back	0	Handheld On	132572	1770	20.31	20.50	1.045	-0.03	3.120	3.260
	LTE Band 66	20M	QPSK	50	0	Back	0	Handheld On	132072	1720	19.96	20.50	1.132	-0.11	2.800	3.171
	LTE Band 66	20M	QPSK	50	0	Back	0	Handheld On	132322	1745	20.28	20.50	1.052	-0.03	3.090	3.251
	LTE Band 66	20M	QPSK	100	0	Back	0	Handheld On	132572	1770	20.21	20.50	1.069	-0.01	3.000	3.207
	LTE Band 66	20M	QPSK	1	49	Bottom Side	0	Handheld On	132572	1770	20.19	20.50	1.074	-0.12	2.230	2.395
	LTE Band 66	20M	QPSK	1	49	Bottom Side	0	Handheld On	132072	1720	19.98	20.50	1.127	-0.15	2.830	3.190
	LTE Band 66	20M	QPSK	1	49	Bottom Side	0	Handheld On	132322	1745	20.10	20.50	1.096	-0.16	2.430	2.664
	LTE Band 66	20M	QPSK	50	0	Bottom Side	0	Handheld On	132572	1770	20.31	20.50	1.045	-0.03	2.510	2.622
	LTE Band 66	20M	QPSK	50	0	Bottom Side	0	Handheld On	132072	1720	19.96	20.50	1.132	-0.04	2.800	3.171
	LTE Band 66	20M	QPSK	50	0	Bottom Side	0	Handheld On	132322	1745	20.28	20.50	1.052	0.03	2.810	2.956
	LTE Band 66	20M	QPSK	100	0	Bottom Side	0	Handheld On	132572	1770	20.21	20.50	1.069	0.05	2.460	2.630
	LTE Band 25	20M	QPSK	1	0	Front	0	Handheld On	26140	1860	20.06	20.50	1.107	-0.12	2.320	2.567
	LTE Band 25	20M	QPSK	1	0	Front	0	Handheld On	26340	1880	19.92	20.50	1.143	-0.07	2.260	2.583
	LTE Band 25	20M	QPSK	1	0	Front	0	Handheld On	26590	1905	20.02	20.50	1.117	-0.15	2.350	2.625
	LTE Band 25	20M	QPSK	50	0	Front	0	Handheld On	26140	1860	19.90	20.50	1.148	-0.03	2.590	2.974
	LTE Band 25	20M	QPSK	50	0	Front	0	Handheld On	26340	1880	19.57	20.50	1.239	-0.03	2.480	3.072
	LTE Band 25	20M	QPSK	50	0	Front	0	Handheld On	26590	1905	19.86	20.50	1.159	-0.09	2.650	3.071
	LTE Band 25	20M	QPSK	100	0	Front	0	Handheld On	26140	1860	19.83	20.50	1.167	-0.15	2.620	3.057
69	LTE Band 25	20M	QPSK	1	0	Back	0	Handheld On	26140	1860	20.06	20.50	1.107	-0.04	2.820	3.121
	LTE Band 25	20M	QPSK	1	0	Back	0	Handheld On	26340	1880	19.92	20.50	1.143	-0.15	2.370	2.709
	LTE Band 25	20M	QPSK	1	0	Back	0	Handheld On	26590	1905	20.02	20.50	1.117	-0.16	2.500	2.792
	LTE Band 25	20M	QPSK	50	0	Back	0	Handheld On	26140	1860	19.90	20.50	1.148	-0.03	2.670	3.066
	LTE Band 25	20M	QPSK	50	0	Back	0	Handheld On	26340	1880	19.57	20.50	1.239	-0.03	2.460	3.047
	LTE Band 25	20M	QPSK	50	0	Back	0	Handheld On	26590	1905	19.86	20.50	1.159	-0.12	2.630	3.048
	LTE Band 25	20M	QPSK	100	0	Back	0	Handheld On	26140	1860	19.83	20.50	1.167	-0.03	2.590	3.022
	LTE Band 25	20M	QPSK	1	0	Bottom Side	0	Handheld On	26140	1860	20.06	20.50	1.107	-0.11	1.860	2.058
	LTE Band 25	20M	QPSK	1	0	Bottom Side	0	Handheld On	26340	1880	19.92	20.50	1.143	-0.07	1.810	2.069
	LTE Band 25	20M	QPSK	1	0	Bottom Side	0	Handheld On	26590	1905	20.02	20.50	1.117	-0.07	2.120	2.368
	LTE Band 25	20M	QPSK	50	0	Bottom Side	0	Handheld On	26140	1860	19.90	20.50	1.148	-0.03	2.260	2.595
	LTE Band 25	20M	QPSK	50	0	Bottom Side	0	Handheld On	26340	1880	19.57	20.50	1.239	-0.05	2.190	2.713
	LTE Band 25	20M	QPSK	50	0	Bottom Side	0	Handheld On	26590	1905	19.86	20.50	1.159	-0.09	2.270	2.630
	LTE Band 25	20M	QPSK	100	0	Bottom Side	0	Handheld On	26140	1860	19.83	20.50	1.167	-0.03	2.320	2.707



**FCC SAR Test Report**

**Report No. : FA891009**

Plot No.	Band	BW (MHz)	Modulation	RB Size	RB Offset	Test Position	Gap (mm)	Power Mode	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Power Drift (dB)	Measured 10g SAR (W/kg)	Reported 10g SAR (W/kg)
	LTE Band 7	20M	QPSK	1	0	Front	0	Handheld On	20850	2510	19.20	19.50	1.072	-0.01	1.590	1.704
	LTE Band 7	20M	QPSK	50	0	Front	0	Handheld On	20850	2510	19.23	19.50	1.064	-0.03	1.640	1.745
	LTE Band 7	20M	QPSK	1	0	Back	0	Handheld On	20850	2510	19.20	19.50	1.072	-0.060	2.740	2.936
	LTE Band 7	20M	QPSK	1	0	Back	0	Handheld On	21100	2535	19.07	19.50	1.104	0.06	2.670	2.948
70	LTE Band 7	20M	QPSK	1	0	Back	0	Handheld On	21350	2560	19.05	19.50	1.109	0.05	2.810	<b>3.117</b>
	LTE Band 7	20M	QPSK	50	0	Back	0	Handheld On	20850	2510	19.23	19.50	1.064	-0.030	2.780	2.958
	LTE Band 7	20M	QPSK	50	0	Back	0	Handheld On	21100	2535	18.93	19.50	1.140	-0.03	2.660	3.033
	LTE Band 7	20M	QPSK	50	0	Back	0	Handheld On	21350	2560	19.07	19.50	1.104	-0.06	2.770	3.058
	LTE Band 7	20M	QPSK	100	0	Back	0	Handheld On	20850	2510	19.24	19.50	1.062	0.030	2.810	2.983
	LTE Band 7	20M	QPSK	1	0	Bottom Side	0	Handheld On	20850	2510	19.20	19.50	1.072	-0.09	1.510	1.618
	LTE Band 7	20M	QPSK	50	0	Bottom Side	0	Handheld On	20850	2510	19.23	19.50	1.064	0.11	1.480	1.575

Plot No.	Band	BW (MHz)	Modulation	RB Size	RB Offset	Test Position	Gap (mm)	Power Class	Power Mode	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Duty Cycle %	Duty Cycle Scaling Factor	Power Drift (dB)	Measured 10g SAR (W/kg)	Reported 10g SAR (W/kg)
71	LTE Band 41	20M	QPSK	1	99	Back	0	3	Handheld On	41055	2636.5	21.37	22.00	1.156	62.9	1.006	-0.01	2.580	<b>3.001</b>
	LTE Band 41	20M	QPSK	1	99	Back	0	3	Handheld On	39750	2506	21.57	22.00	1.104	62.9	1.006	-0.06	2.200	2.444
	LTE Band 41	20M	QPSK	1	99	Back	0	3	Handheld On	40185	2549.5	21.37	22.00	1.156	62.9	1.006	0.04	2.300	2.675
	LTE Band 41	20M	QPSK	1	99	Back	0	3	Handheld On	40620	2593	21.33	22.00	1.167	62.9	1.006	-0.07	2.280	2.676
	LTE Band 41	20M	QPSK	1	99	Back	0	3	Handheld On	41490	2680	21.52	22.00	1.117	62.9	1.006	0.04	2.390	2.685
	LTE Band 41	20M	QPSK	50	24	Back	0	3	Handheld On	41055	2636.5	21.47	22.00	1.130	62.9	1.006	0.01	2.270	2.580
	LTE Band 41	20M	QPSK	50	24	Back	0	3	Handheld On	39750	2506	21.63	22.00	1.089	62.9	1.006	0.03	1.580	1.731
	LTE Band 41	20M	QPSK	50	24	Back	0	3	Handheld On	40185	2549.5	21.32	22.00	1.169	62.9	1.006	0.02	1.640	1.929
	LTE Band 41	20M	QPSK	50	24	Back	0	3	Handheld On	40620	2593	21.53	22.00	1.114	62.9	1.006	0.16	2.340	2.623
	LTE Band 41	20M	QPSK	50	24	Back	0	3	Handheld On	41490	2680	21.56	22.00	1.107	62.9	1.006	0.02	1.570	1.748
	LTE Band 41	20M	QPSK	100	0	Back	0	3	Handheld On	39750	2506	21.69	22.00	1.074	62.9	1.006	0.06	1.640	1.772
	LTE Band 41	20M	QPSK	1	99	Right Side	0	3	Handheld On	39750	2506	21.57	22.00	1.104	62.9	1.006	0	0.968	1.075
	LTE Band 41	20M	QPSK	50	24	Right Side	0	3	Handheld On	39750	2506	21.63	22.00	1.089	62.9	1.006	0.03	0.489	0.536
	LTE Band 41	20M	QPSK	1	99	Back	0	2	Handheld On	39750	2506	21.65	22.00	1.084	42.9	1.009	-0.01	1.100	1.203
	LTE Band 41	20M	QPSK	50	24	Back	0	2	Handheld On	39750	2506	21.59	22.00	1.099	42.9	1.009	-0.05	1.100	1.220



<WLAN 5GHz SAR>

Plot No.	Band	Mode	Test Position	Gap (mm)	Power Mode	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Duty Cycle %	Duty Cycle Scaling Factor	Power Drift (dB)	Max Area Scan SAR	Measured 10g SAR (W/kg)	Reported 10g SAR (W/kg)
	WLAN5.3GHz	802.11a 6Mbps	Front	0	Handheld On	64	5320	16.40	16.50	1.023	93.2	1.073		3.658		
72	WLAN5.3GHz	802.11a 6Mbps	Back	0	Handheld On	64	5320	16.40	16.50	1.023	93.2	1.073	-0.12	7.916	0.613	0.673
	WLAN5.3GHz	802.11a 6Mbps	Left Side	0	Handheld On	64	5320	16.40	16.50	1.023	93.2	1.073		1.106		
	WLAN5.3GHz	802.11a 6Mbps	Top Side	0	Handheld On	64	5320	16.40	16.50	1.023	93.2	1.073		2.341		
	WLAN5.3GHz	802.11a 6Mbps	Back	0	Handheld On	52	5260	16.12	16.50	1.091	93.2	1.073	0.09		0.559	0.655
	WLAN5.3GHz	802.11a 6Mbps	Back	0	Handheld On	60	5300	16.17	16.50	1.079	93.2	1.073	0.15		0.540	0.625
	WLAN 5.5GHz	802.11a 6Mbps	Front	0	Handheld On	100	5500	15.74	16.00	1.062	93.2	1.073		3.45		
73	WLAN 5.5GHz	802.11a 6Mbps	Back	0	Handheld On	100	5500	15.74	16.00	1.062	93.2	1.073	-0.04	5.87	0.475	0.541
	WLAN 5.5GHz	802.11a 6Mbps	Left Side	0	Handheld On	100	5500	15.74	16.00	1.062	93.2	1.073		1.320		
	WLAN 5.5GHz	802.11a 6Mbps	Top Side	0	Handheld On	100	5500	15.74	16.00	1.062	93.2	1.073		2.556		
	WLAN 5.5GHz	802.11a 6Mbps	Back	0	Handheld On	116	5580	15.39	16.00	1.152	93.2	1.073	0.05		0.418	0.517
	WLAN 5.5GHz	802.11a 6Mbps	Back	0	Handheld On	140	5700	14.91	16.00	1.285	93.2	1.073	0.03		0.380	0.524



**15.5 Repeated SAR Measurement**

**<1g SAR>**

No.	Band	Mode	BW (MHz)	Modulation	RB Size	RB Offset	Test Position	Gap (mm)	Power Mode	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Duty Cycle %	Duty Cycle Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Ratio	Reported 1g SAR (W/kg)
1st	GSM1900	GPRS ( 4 Tx slots)	-	-	-	-	Back	5	P-Sensor On	810	1909.8	19.32	19.50	1.042	-	-	-0.05	1.340	1	1.397
2nd	GSM1900	GPRS ( 4 Tx slots)	-	-	-	-	Back	5	P-Sensor On	810	1909.8	19.32	19.50	1.042	-	-	0.01	1.320	1.015	1.376
1st	CDMA 2000 BC0	RC3 SO32 (F+SCH)	-	-	-	-	Back	5	Full	777	848.31	24.24	24.50	1.062	-	-	0.01	1.240	1	1.317
2nd	CDMA 2000 BC0	RC3 SO32 (F+SCH)	-	-	-	-	Back	5	Full	777	848.31	24.24	24.50	1.062	-	-	-0.05	1.220	1.016	1.295
1st	LTE Band 13	-	10M	QPSK	1	25	Back	5	Full	23230	782	22.92	23.50	1.143			-0.07	0.844	1	0.965
2nd	LTE Band 13	-	10M	QPSK	1	25	Back	5	Full	23230	782	22.92	23.50	1.143			0.03	0.832	1.014	0.951
1st	LTE Band 66	-	20M	QPSK	50	0	Back	5	P-Sensor On	132572	1770	17.29	17.50	1.050			0.11	1.330	1	1.396
2nd	LTE Band 66	-	20M	QPSK	50	0	Back	5	P-Sensor On	132572	1770	17.29	17.50	1.050			0.05	1.300	1.023	1.364
1st	WLAN 2.4GHz	802.11b 1Mbps	-	-	-	-	Right Cheek	0	Receiver On	11	2462	15.94	16.50	1.138	97.59	1.025	-0.01	0.967	1	1.128
2nd	WLAN 2.4GHz	802.11b 1Mbps	-	-	-	-	Right Cheek	0	Receiver On	11	2462	15.94	16.50	1.138	97.59	1.025	0.03	0.948	1.020	1.105
1st	WLAN 5.2GHz	802.11a 6Mbps	-	-	-	-	Back	5	Hotspot On	48	5240	16.05	16.50	1.109	93.2	1.073	-0.01	0.912	1	1.085
2nd	WLAN 5.2GHz	802.11a 6Mbps	-	-	-	-	Back	5	Hotspot On	48	5240	16.05	16.50	1.109	93.2	1.073	0.03	0.908	1.004	1.081
1st	WLAN 5.3GHz	802.11a 6Mbps	-	-	-	-	Back	5	P-Sensor On	64	5320	16.40	16.50	1.023	93.2	1.073	0.01	0.984	1	1.080
2nd	WLAN 5.3GHz	802.11a 6Mbps	-	-	-	-	Back	5	P-Sensor On	64	5320	16.40	16.50	1.023	93.2	1.073	0.05	0.978	1.009	1.074
1st	WLAN 5.5GHz	802.11a 6Mbps	-	-	-	-	Back	5	P-Sensor On	116	5580	15.39	16.00	1.152	93.2	1.073	-0.09	0.863	1	1.067
2nd	WLAN 5.5GHz	802.11a 6Mbps	-	-	-	-	Back	5	P-Sensor On	116	5580	15.39	16.00	1.152	93.2	1.073	0.01	0.858	1.006	1.060



<10g SAR>

No.	Band	Mode	BW (MHz)	Modulation	RB Size	RB Offset	Test Position	Gap (mm)	Power Mode	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Duty Cycle %	Duty Cycle Scaling Factor	Power Drift (dB)	Measured 10g SAR (W/kg)	Ratio	Reported 10g SAR (W/kg)
1st	LTE Band 7	-	20M	QPSK	1	0	Back	0	Handheld On	21350	2560	19.05	19.50	1.109			0.05	2.810	1	3.117
2nd	LTE Band 7	-	20M	QPSK	1	0	Back	0	Handheld On	21350	2560	19.05	19.50	1.109			-0.01	2.760	1.018	3.061
1st	LTE Band 25	-	20M	QPSK	1	0	Back	0	Handheld On	26140	1860	20.06	20.50	1.107			-0.04	2.820	1	3.121
2nd	LTE Band 25	-	20M	QPSK	1	0	Back	0	Handheld On	26140	1860	20.06	20.50	1.107			0.03	2.710	1.041	2.999
1st	LTE Band 66	-	20M	QPSK	50	0	Back	0	Handheld On	132572	1770	20.31	20.50	1.045	-	-	-0.03	3.120	1	3.260
2nd	LTE Band 66	-	20M	QPSK	50	0	Back	0	Handheld On	132572	1770	20.31	20.50	1.045	-	-	0.07	3.080	1.013	3.218

**General Note:**

1. Per KDB 865664 D01v01r04, for each frequency band, repeated SAR measurement is required only when the measured SAR is  $\geq 0.8$ W/kg.
2. Per KDB 865664 D01v01r04, if the ratio among the repeated measurement is  $\leq 1.2$  and the measured SAR  $< 1.45$ W/kg, only one repeated measurement is required.
3. Per KDB 865664 D01v01r04, if the extremity repeated SAR is necessary, the same procedures should be adapted for measurements according to extremity and occupational exposure limits by applying a factor of 2.5 for extremity exposure and a factor of 5 for occupational exposure to the corresponding SAR thresholds.
4. The ratio is the difference in percentage between original and repeated *measured SAR*.
5. All measurement SAR result is scaled-up to account for tune-up tolerance and is compliant.

## 16. Simultaneous Transmission Analysis

No.	Simultaneous Transmission Configurations	Portable Handset			
		Head	Body-worn	Hotspot	Product specific 10g SAR
1.	GSM Voice + WLAN2.4GHz	Yes	Yes		
2.	GPRS/EDGE + WLAN2.4GHz	Yes	Yes	Yes	Yes
3.	WCDMA + WLAN2.4GHz	Yes	Yes	Yes	Yes
4.	LTE + WLAN2.4GHz	Yes	Yes	Yes	Yes
5.	GSM Voice + WLAN5.3/5.5GHz	Yes	Yes		
6.	GPRS/EDGE + WLAN5.3/5.5GHz	Yes	Yes		Yes
7.	WCDMA + WLAN5.3/5.5GHz	Yes	Yes		Yes
8.	LTE + WLAN5.3/5.5GHz	Yes	Yes		Yes
9.	GSM Voice + WLAN5.2/5.8GHz	Yes	Yes		
10.	GPRS/EDGE + WLAN5.2/5.8GHz	Yes	Yes	Yes	Yes
11.	WCDMA + WLAN5.2/5.8GHz	Yes	Yes	Yes	Yes
12.	LTE + WLAN5.2/5.8GHz	Yes	Yes	Yes	Yes
13.	GSM Voice + Bluetooth	Yes	Yes		
14.	GPRS/EDGE + Bluetooth	Yes	Yes	Yes	Yes
15.	WCDMA + Bluetooth	Yes	Yes	Yes	Yes
16.	LTE + Bluetooth	Yes	Yes	Yes	Yes
17.	Bluetooth + WLAN5.3/5.5GHz	Yes	Yes		Yes
18.	Bluetooth + WLAN5.2/5.8GHz	Yes	Yes	Yes	Yes
19.	GSM Voice + Bluetooth + WLAN5.3/5.5GHz	Yes	Yes		
20.	GPRS/EDGE + Bluetooth + WLAN5.3/5.5GHz	Yes	Yes		Yes
21.	WCDMA + Bluetooth + WLAN5.3/5.5GHz	Yes	Yes		Yes
22.	LTE + Bluetooth + WLAN5.3/5.5GHz	Yes	Yes		Yes
23.	GSM Voice + WLAN5.2/5.8GHz	Yes	Yes		
24.	GPRS/EDGE + WLAN5.2/5.8GHz	Yes	Yes	Yes	Yes
25.	WCDMA + WLAN5.2/5.8GHz	Yes	Yes	Yes	Yes
26.	LTE + WLAN5.2/5.8GHz	Yes	Yes	Yes	Yes

**General Note:**

1. This device supports VoIP in GPRS, EGPRS, WCDMA and LTE (e.g. for 3rd-party VoIP), LTE supports VoLTE operation.
2. EUT will choose each GSM, WCDMA and LTE according to the network signal condition; therefore, they will not operate simultaneously at any moment.
3. This device 2.4GHz WLAN support hotspot operation and Bluetooth support tethering applications.
4. This device 2.4GHz WLAN/ 5.2GHz WLAN/5.8GHz WLAN support hotspot operation, and 5.2GHz WLAN/5.8GHz WLAN supports WLAN Direct (GC/GO), and 5.3GHz / 5.5GHz supports WLAN Direct (GC only).
5. EUT will choose either WLAN 2.4GHz or WLAN 5GHz according to the network signal condition; therefore, 2.4GHz WLAN and 5GHz WLAN will not operate simultaneously at any moment though they have independent antenna.
6. WLAN 2.4GHz and Bluetooth share the same antenna so can't transmit simultaneously.
7. For simultaneously analysis of hotspot and body-worn, since the SAR summation of 3 transmitters can cover others combination of 2 transmitters, therefore in this section did not additional to evaluate 2TX combination of simultaneously transmission.
8. Chose the worst zoom scan SAR of WLAN correspondingly for co-located with WWAN analysis.
9. The reported SAR summation is calculated based on the same configuration and test position.
10. Per KDB 447498 D01v06, simultaneous transmission SAR is compliant if,
  - i) 1g Scalar SAR summation < 1.6W/kg and 10g Scalar SAR summation < 4.0W/kg.
  - ii)  $SPLSR = (SAR1 + SAR2)^{1.5} / (\text{min. separation distance, mm})$ , and the peak separation distance is determined from the square root of  $[(x1-x2)^2 + (y1-y2)^2 + (z1-z2)^2]$ , where (x1, y1, z1) and (x2, y2, z2) are the coordinates of the extrapolated peak SAR locations in the zoom scan.
  - iii) If  $SPLSR \leq 0.04$ , simultaneously transmission SAR measurement is not necessary.
  - iv) Simultaneously transmission SAR measurement, and the reported multi-band 1g SAR < 1.6W/kg and 10g SAR < 4.0W/kg.
  - v) The SPLSR calculated results please refer to section 16.5.



**16.1 Head Exposure Conditions**

WWAN Band		Exposure Position	1	2	3	4	1+2 Summed 1g SAR (W/kg)	1+3+4 Summed 1g SAR (W/kg)
			WWAN	2.4GHz WLAN	5GHz WLAN	Bluetooth		
			1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)		
GSM	GSM850	Right Cheek	0.168	1.128	0.866	0.152	1.30	1.19
		Right Tilted	0.093	1.020	0.784	0.137	1.11	1.01
		Left Cheek	0.338	0.696	0.866	0.100	1.03	1.30
		Left Tilted	0.095	1.128	0.866	0.093	1.22	1.05
	GSM1900	Right Cheek	0.111	1.128	0.866	0.152	1.24	1.13
		Right Tilted	0.040	1.020	0.784	0.137	1.06	0.96
		Left Cheek	0.057	0.696	0.866	0.100	0.75	1.02
		Left Tilted	0.032	1.128	0.866	0.093	1.16	0.99
WCDMA	Band V	Right Cheek	0.210	1.128	0.866	0.152	1.34	1.23
		Right Tilted	0.126	1.020	0.784	0.137	1.15	1.05
		Left Cheek	0.333	0.696	0.866	0.100	1.03	1.30
		Left Tilted	0.136	1.128	0.866	0.093	1.26	1.10
	Band IV	Right Cheek	0.131	1.128	0.866	0.152	1.26	1.15
		Right Tilted	0.068	1.020	0.784	0.137	1.09	0.99
		Left Cheek	0.124	0.696	0.866	0.100	0.82	1.09
		Left Tilted	0.053	1.128	0.866	0.093	1.18	1.01
	Band II	Right Cheek	0.113	1.128	0.866	0.152	1.24	1.13
		Right Tilted	0.049	1.020	0.784	0.137	1.07	0.97
		Left Cheek	0.083	0.696	0.866	0.100	0.78	1.05
		Left Tilted	0.039	1.128	0.866	0.093	1.17	1.00
CDMA2000	BC0	Right Cheek	0.314	1.128	0.866	0.152	1.44	1.33
		Right Tilted	0.187	1.020	0.784	0.137	1.21	1.11
		Left Cheek	0.359	0.696	0.866	0.100	1.06	1.33
		Left Tilted	0.174	1.128	0.866	0.093	1.30	1.13
	BC1	Right Cheek	0.109	1.128	0.866	0.152	1.24	1.13
		Right Tilted	0.059	1.020	0.784	0.137	1.08	0.98
		Left Cheek	0.093	0.696	0.866	0.100	0.79	1.06
		Left Tilted	0.044	1.128	0.866	0.093	1.17	1.00
	BC10	Right Cheek	0.258	1.128	0.866	0.152	1.39	1.28
		Right Tilted	0.160	1.020	0.784	0.137	1.18	1.08
		Left Cheek	0.325	0.696	0.866	0.100	1.02	1.29
		Left Tilted	0.178	1.128	0.866	0.093	1.31	1.14



WWAN Band	Exposure Position	1	2	3	4	1+2 Summed 1g SAR (W/kg)	1+3+4 Summed 1g SAR (W/kg)	
		WWAN	2.4GHz WLAN	5GHz WLAN	Bluetooth			
		1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)			
LTE	Band 13	Right Cheek	0.253	1.128	0.866	0.152	1.38	1.27
		Right Tilted	0.123	1.020	0.784	0.137	1.14	1.04
		Left Cheek	0.254	0.696	0.866	0.100	0.95	1.22
		Left Tilted	0.120	1.128	0.866	0.093	1.25	1.08
	Band 12	Right Cheek	0.271	1.128	0.866	0.152	1.40	1.29
		Right Tilted	0.191	1.020	0.784	0.137	1.21	1.11
		Left Cheek	0.327	0.696	0.866	0.100	1.02	1.29
		Left Tilted	0.178	1.128	0.866	0.093	1.31	1.14
	Band 26	Right Cheek	0.259	1.128	0.866	0.152	1.39	1.28
		Right Tilted	0.152	1.020	0.784	0.137	1.17	1.07
		Left Cheek	0.298	0.696	0.866	0.100	0.99	1.26
		Left Tilted	0.092	1.128	0.866	0.093	1.22	1.05
	Band 66	Right Cheek	0.093	1.128	0.866	0.152	1.22	1.11
		Right Tilted	0.043	1.020	0.784	0.137	1.06	0.96
		Left Cheek	0.113	0.696	0.866	0.100	0.81	1.08
		Left Tilted	0.032	1.128	0.866	0.093	1.16	0.99
	Band 25	Right Cheek	0.134	1.128	0.866	0.152	1.26	1.15
		Right Tilted	0.055	1.020	0.784	0.137	1.08	0.98
		Left Cheek	0.096	0.696	0.866	0.100	0.79	1.06
		Left Tilted	0.046	1.128	0.866	0.093	1.17	1.01
	Band 7	Right Cheek	0.452	1.128	0.866	0.152	1.58	1.47
		Right Tilted	0.193	1.020	0.784	0.137	1.21	1.11
		Left Cheek	0.322	0.696	0.866	0.100	1.02	1.29
		Left Tilted	0.334	1.128	0.866	0.093	1.46	1.29
	Band 41	Right Cheek	0.382	1.128	0.866	0.152	1.51	1.40
		Right Tilted	0.155	1.020	0.784	0.137	1.18	1.08
		Left Cheek	0.267	0.696	0.866	0.100	0.96	1.23
		Left Tilted	0.262	1.128	0.866	0.093	1.39	1.22



16.2 Hotspot Exposure Conditions

WWAN Band		Exposure Position	1	2	3	4	1+2			1+3+4		
			WWAN	2.4GHz WLAN	5GHz WLAN	Bluetooth	Summed 1g SAR (W/kg)	SPLSR	Case No	Summed 1g SAR (W/kg)	SPLSR	Case No
			1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)						
GSM	GSM850	Front	0.684	0.464	0.415	0.054	1.15			1.15		
		Back	1.269	0.897	1.085	0.114	2.17	#01	0.02	2.47	#02	0.03
		Left Side	0.226	0.897	0.145	0.022	1.12			0.39		
		Right Side	0.087				0.09			0.09		
		Top Side		0.658	1.085	0.071	0.66			1.16		
	Bottom Side	0.383				0.38			0.38			
	GSM1900	Front	0.675	0.464	0.415	0.054	1.14			1.14		
		Back	1.101	0.897	1.085	0.114	2.00	#03	0.02	2.30	#04	0.02
		Left Side	0.058	0.897	0.145	0.022	0.96			0.23		
		Right Side	0.031				0.03			0.03		
Top Side			0.658	1.085	0.071	0.66			1.16			
Bottom Side	1.353				1.35			1.35				
WCDMA	Band V	Front	0.723	0.464	0.415	0.054	1.19			1.19		
		Back	1.156	0.897	1.085	0.114	2.05	#05	0.02	2.36	#06	0.02
		Left Side	0.419	0.897	0.145	0.022	1.32			0.59		
		Right Side	0.175				0.18			0.18		
		Top Side		0.658	1.085	0.071	0.66			1.16		
	Bottom Side	0.735				0.74			0.74			
	Band IV	Front	0.696	0.464	0.415	0.054	1.16			1.17		
		Back	1.106	0.897	1.085	0.114	2.00	#07	0.02	2.31	#08	0.02
		Left Side	0.073	0.897	0.145	0.022	0.97			0.24		
		Right Side	0.049				0.05			0.05		
		Top Side		0.658	1.085	0.071	0.66			1.16		
	Bottom Side	1.194				1.19			1.19			
	Band II	Front	0.608	0.464	0.415	0.054	1.07			1.08		
		Back	1.130	0.897	1.085	0.114	2.03	#09	0.02	2.33	#10	0.02
		Left Side	0.053	0.897	0.145	0.022	0.95			0.22		
		Right Side	0.031				0.03			0.03		
		Top Side		0.658	1.085	0.071	0.66			1.16		
	Bottom Side	1.333				1.33			1.33			
CDMA2000	BC0	Front	0.775	0.464	0.415	0.054	1.24			1.24		
		Back	1.247	0.897	1.085	0.114	2.14	#11	0.02	2.45	#12	0.03
		Left Side	0.368	0.897	0.145	0.022	1.27			0.54		
		Right Side	0.116				0.12			0.12		
		Top Side		0.658	1.085	0.071	0.66			1.16		
	Bottom Side	0.680				0.68			0.68			
	BC1	Front	0.752	0.464	0.415	0.054	1.22			1.22		
		Back	1.083	0.897	1.085	0.114	1.98	#13	0.02	2.28	#14	0.02
		Left Side	0.052	0.897	0.145	0.022	0.95			0.22		
		Right Side	0.032				0.03			0.03		
		Top Side		0.658	1.085	0.071	0.66			1.16		
	Bottom Side	1.316				1.32			1.32			
	BC10	Front	0.665	0.464	0.415	0.054	1.13			1.13		
		Back	1.113	0.897	1.085	0.114	2.01	#15	0.02	2.31	#16	0.02
		Left Side	0.358	0.897	0.145	0.022	1.26			0.53		
		Right Side	0.098				0.10			0.10		
		Top Side		0.658	1.085	0.071	0.66			1.16		
	Bottom Side	0.203				0.20			0.20			



WWAN Band	Exposure Position	1	2	3	4	1+2			1+3+4			
		WWAN	2.4GHz WLAN	5GHz WLAN	Bluetooth	Summed 1g SAR (W/kg)	SPLSR	Case No	Summed 1g SAR (W/kg)	SPLSR	Case No	
		1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)							
LTE	Band 13	Front	0.647	0.464	0.415	0.054	1.11			1.12		
		Back	0.965	0.897	1.085	0.114	<b>1.86</b>	<b>#17</b>	<b>0.02</b>	<b>2.16</b>	<b>#18</b>	<b>0.02</b>
		Left Side	0.458	0.897	0.145	0.022	1.36			0.63		
		Right Side	0.120				0.12			0.12		
		Top Side		0.658	1.085	0.071	0.66			1.16		
		Bottom Side	0.573				0.57			0.57		
	Band 12	Front	0.535	0.464	0.415	0.054	1.00			1.00		
		Back	0.845	0.897	1.085	0.114	<b>1.74</b>	<b>#19</b>	<b>0.02</b>	<b>2.04</b>	<b>#20</b>	<b>0.02</b>
		Left Side	0.504	0.897	0.145	0.022	1.40			0.67		
		Right Side	0.302				0.30			0.30		
		Top Side		0.658	1.085	0.071	0.66			1.16		
		Bottom Side	0.494				0.49			0.49		
	Band 26	Front	0.776	0.464	0.415	0.054	1.24			1.25		
		Back	1.169	0.897	1.085	0.114	<b>2.07</b>	<b>#21</b>	<b>0.02</b>	<b>2.37</b>	<b>#22</b>	<b>0.02</b>
		Left Side	0.430	0.897	0.145	0.022	1.33			0.60		
		Right Side	0.138				0.14			0.14		
		Top Side		0.658	1.085	0.071	0.66			1.16		
		Bottom Side	0.724				0.72			0.72		
	Band 66	Front	0.720	0.464	0.415	0.054	1.18			1.19		
		Back	1.086	0.897	1.085	0.114	<b>1.98</b>	<b>#23</b>	<b>0.02</b>	<b>2.29</b>	<b>#24</b>	<b>0.02</b>
		Left Side	0.078	0.897	0.145	0.022	0.98			0.25		
		Right Side	0.043				0.04			0.04		
		Top Side		0.658	1.085	0.071	0.66			1.16		
		Bottom Side	1.442				1.44			1.44		
	Band 25	Front	0.653	0.464	0.415	0.054	1.12			1.12		
		Back	1.189	0.897	1.085	0.114	<b>2.09</b>	<b>#25</b>	<b>0.02</b>	<b>2.39</b>	<b>#26</b>	<b>0.02</b>
		Left Side	0.076	0.897	0.145	0.022	0.97			0.24		
		Right Side	0.029				0.03			0.03		
		Top Side		0.658	1.085	0.071	0.66			1.16		
		Bottom Side	1.411				1.41			1.41		
Band 7	Front	0.769	0.464	0.415	0.054	1.23			1.24			
	Back	1.331	0.897	1.085	0.114	<b>2.23</b>	<b>#27</b>	<b>0.02</b>	<b>2.53</b>	<b>#28</b>	<b>0.03</b>	
	Left Side	0.054	0.897	0.145	0.022	0.95			0.22			
	Right Side	0.528				0.53			0.53			
	Top Side		0.658	1.085	0.071	0.66			1.16			
	Bottom Side	0.570				0.57			0.57			
Band 41	Front	0.838	0.464	0.415	0.054	1.30			1.31			
	Back	1.394	0.897	1.085	0.114	<b>2.29</b>	<b>#29</b>	<b>0.02</b>	<b>2.59</b>	<b>#30</b>	<b>0.03</b>	
	Left Side	0.070	0.897	0.145	0.022	0.97			0.24			
	Right Side	0.561				0.56			0.56			
	Top Side		0.658	1.085	0.071	0.66			1.16			
	Bottom Side	0.744				0.74			0.74			



**16.3 Body-Worn Accessory Exposure Conditions**

WWAN Band	Exposure Position	1	2	3	4	1+2			1+3+4			
		WWAN	2.4GHz WLAN	5GHz WLAN	Bluetooth	Summed 1g SAR (W/kg)	SPLSR	Case No	Summed 1g SAR (W/kg)	SPLSR	Case No	
		1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)							
GSM	GSM850	Front	0.684	0.464	0.360	0.054	1.15			1.10		
		Back	1.269	0.897	1.115	0.114	<b>2.17</b>	<b>#01</b>	<b>0.02</b>	<b>2.50</b>	<b>#31</b>	<b>0.03</b>
		Back at 5mm Headset	1.073				1.07			1.07		
	GSM1900	Front	1.054	0.464	0.360	0.054	1.52			1.47		
		Back	1.417	0.897	1.115	0.114	<b>2.31</b>	<b>#32</b>	<b>0.02</b>	<b>2.65</b>	<b>#33</b>	<b>0.03</b>
		Back at 5mm Headset	1.406				1.41			1.41		
WCDMA	Band V	Front	0.723	0.464	0.360	0.054	1.19			1.14		
		Back	1.156	0.897	1.115	0.114	<b>2.05</b>	<b>#05</b>	<b>0.02</b>	<b>2.39</b>	<b>#34</b>	<b>0.02</b>
		Back at 5mm Headset										
	Band IV	Front	0.919	0.464	0.360	0.054	1.38			1.33		
		Back	1.358	0.897	1.115	0.114	<b>2.26</b>	<b>#35</b>	<b>0.02</b>	<b>2.59</b>	<b>#36</b>	<b>0.03</b>
		Back at 5mm Headset	1.385				1.39			1.39		
	Band II	Front	0.872	0.464	0.360	0.054	1.34			1.29		
		Back	1.314	0.897	1.115	0.114	<b>2.21</b>	<b>#37</b>	<b>0.02</b>	<b>2.54</b>	<b>#38</b>	<b>0.03</b>
		Back at 5mm Headset	1.171				1.17			1.17		
CDMA2000	BC0	Front	0.843	0.464	0.360	0.054	1.31			1.26		
		Back	1.330	0.897	1.115	0.114	<b>2.23</b>	<b>#39</b>	<b>0.02</b>	<b>2.56</b>	<b>#40</b>	<b>0.03</b>
		Back at 5mm Headset	0.545				0.55			0.55		
	BC1	Front	0.835	0.464	0.360	0.054	1.30			1.25		
		Back	1.319	0.897	1.115	0.114	<b>2.22</b>	<b>#41</b>	<b>0.02</b>	<b>2.55</b>	<b>#42</b>	<b>0.03</b>
		Back at 5mm Headset	1.071				1.07			1.07		
	BC10	Front	0.748	0.464	0.360	0.054	1.21			1.16		
		Back	1.168	0.897	1.115	0.114	<b>2.07</b>	<b>#43</b>	<b>0.02</b>	<b>2.40</b>	<b>#44</b>	<b>0.03</b>
	LTE	Band 13	Front	0.647	0.464	0.360	0.054	1.11			1.06	
Back			0.965	0.897	1.115	0.114	<b>1.86</b>	<b>#17</b>	<b>0.02</b>	<b>2.19</b>	<b>#45</b>	<b>0.02</b>
Band 12		Front	0.535	0.464	0.360	0.054	1.00			0.95		
		Back	0.845	0.897	1.115	0.114	<b>1.74</b>	<b>#19</b>	<b>0.02</b>	<b>2.07</b>	<b>#46</b>	<b>0.02</b>
Band 26		Front	0.776	0.464	0.360	0.054	1.24			1.19		
		Back	1.169	0.897	1.115	0.114	<b>2.07</b>	<b>#21</b>	<b>0.02</b>	<b>2.40</b>	<b>#47</b>	<b>0.03</b>
Band 66		Front	0.788	0.464	0.360	0.054	1.25			1.20		
		Back	1.396	0.897	1.115	0.114	<b>2.29</b>	<b>#48</b>	<b>0.02</b>	<b>2.63</b>	<b>#49</b>	<b>0.03</b>
Band 25		Back at 5mm Headset	1.438				1.44			1.44		
		Front	0.889	0.464	0.360	0.054	1.35			1.30		
		Back	1.351	0.897	1.115	0.114	<b>2.25</b>	<b>#50</b>	<b>0.02</b>	<b>2.58</b>	<b>#51</b>	<b>0.03</b>
Band 7		Back at 5mm Headset	1.135				1.14			1.14		
		Front	0.769	0.464	0.360	0.054	1.23			1.18		
Band 41		Back	1.331	0.897	1.115	0.114	<b>2.23</b>	<b>#27</b>	<b>0.02</b>	<b>2.56</b>	<b>#52</b>	<b>0.03</b>
		Back at 5mm Headset	1.010				1.01			1.01		
		Front	0.838	0.464	0.360	0.054	1.30			1.25		
Band 41		Back	1.394	0.897	1.115	0.114	<b>2.29</b>	<b>#29</b>	<b>0.02</b>	<b>2.62</b>	<b>#53</b>	<b>0.03</b>
		Back at 5mm Headset	1.043				1.04			1.04		

**16.4 Product specific 10g SAR Exposure Conditions**

WWAN Band		Exposure Position	1	2	1+2
			WWAN Bottom 10g SAR (W/kg)	5GHz WLAN 10g SAR (W/kg)	Summed 10g SAR (W/kg)
GSM	GSM850	Back	1.438	0.673	2.11
	GSM1900	Front	2.950	0.673	3.62
		Back	2.852	0.673	3.53
		Bottom side	1.989		1.99
WCDMA	Band V	Back	1.522	0.673	2.20
	Band IV	Front	2.522	0.673	3.20
		Back	3.189	0.673	3.86
		Bottom side	3.023		3.02
	Band II	Front	3.176	0.673	3.85
		Back	3.278	0.673	3.95
		Bottom side	2.592		2.59
CDMA	BC0	Back	1.458	0.673	2.13
	BC1	Front	3.168	0.673	3.84
		Back	3.298	0.673	3.97
		Bottom side	2.701		2.70
LTE	Band 26	Back	1.045	0.673	1.72
	Band 66	Front	2.854	0.673	3.53
		Back	3.269	0.673	3.94
		Bottom side	3.190		3.19
	Band 25	Front	3.072	0.673	3.75
		Back	3.121	0.673	3.79
		Bottom side	2.713		2.71
	Band 7	Front	1.745	0.673	2.42
		Back	3.117	0.673	3.79
		Bottom side	1.618		1.62
	Band 41	Back	3.001	0.673	3.67
Right Side		1.075		1.08	

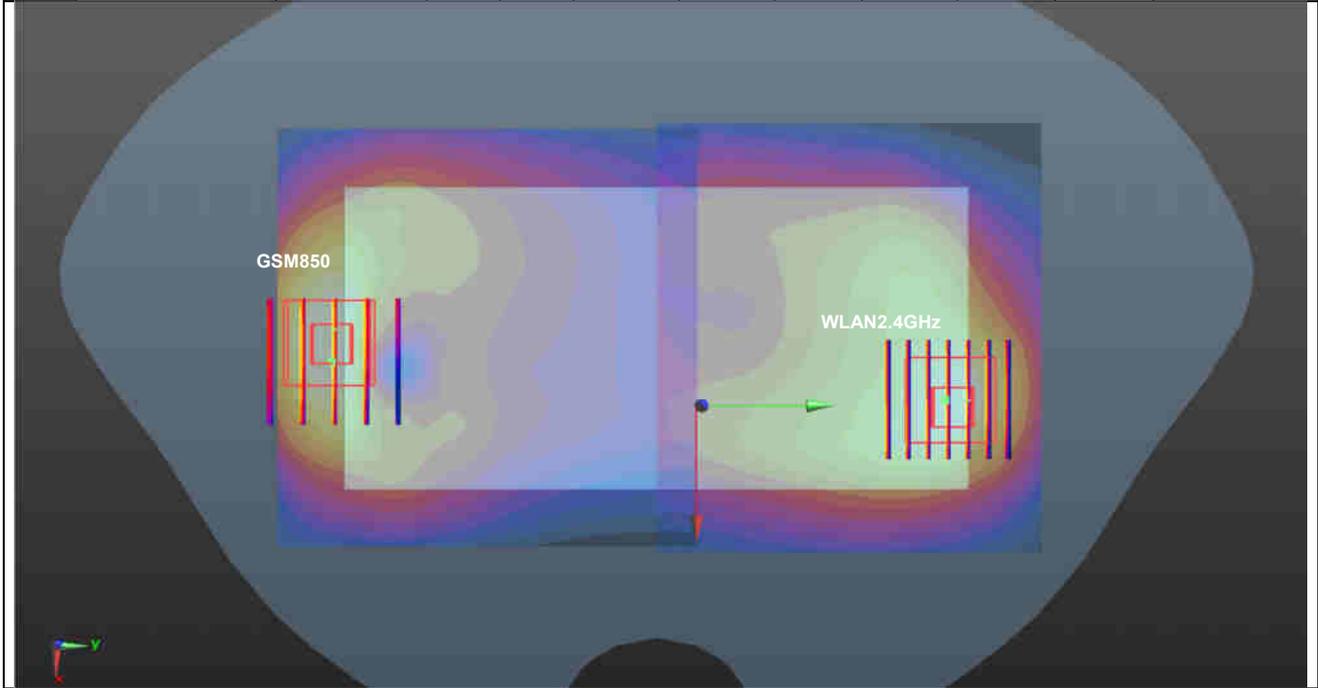
**Remark:** For Bluetooth Product specific 10g stand-alone SAR is not required for a transmitter or antenna, due to 1g hotspot SAR is <1.2W/kg.

### 16.5 SPLSR Evaluation and Analysis

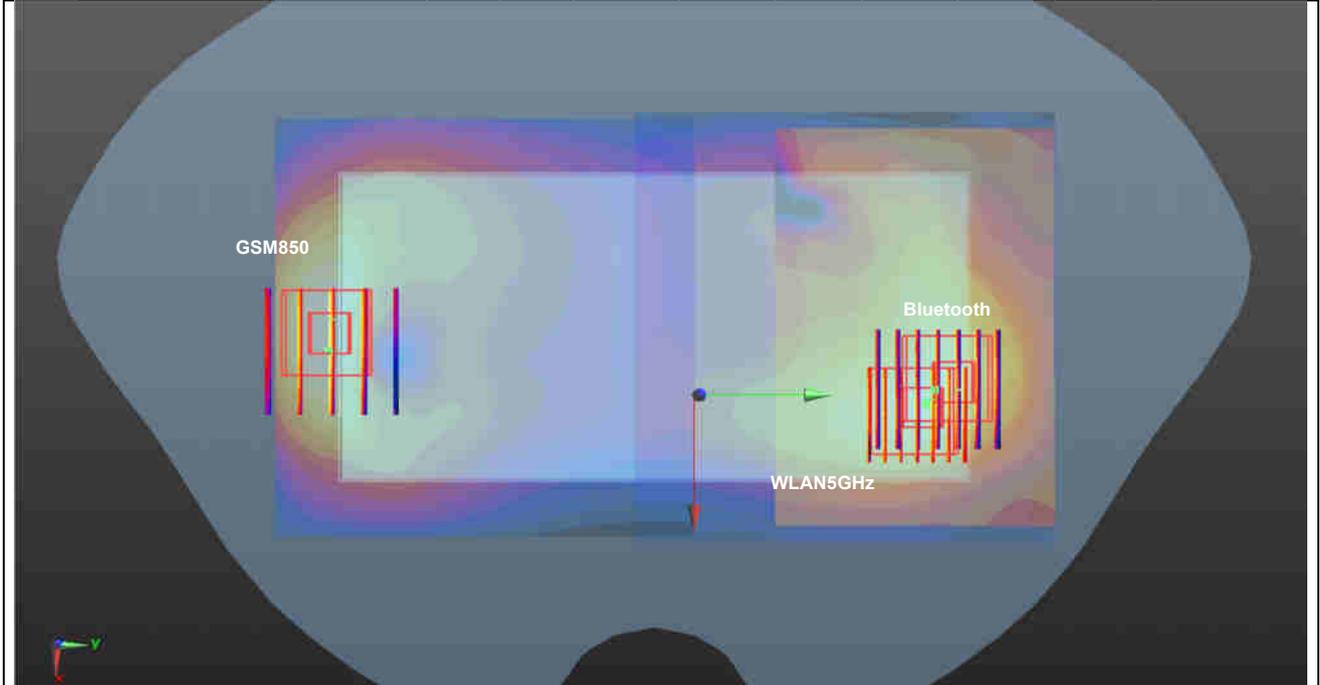
**General Note:**

1. When standalone SAR is measured for both antennas in the pair, the peak location separation distance is computed by the square root of  $[(x1-x2)^2 + (y1-y2)^2 + (z1-z2)^2]$ , where  $(x1, y1, z1)$  and  $(x2, y2, z2)$  are the coordinates in the area scans or extrapolated peak SAR locations in the zoom scans, as appropriate.
2.  $SPLSR = (SAR1 + SAR2)1.5 / (\text{min. separation distance, mm})$ . If  $SPLSR \leq 0.04$ , simultaneously transmission SAR measurement is not necessary.

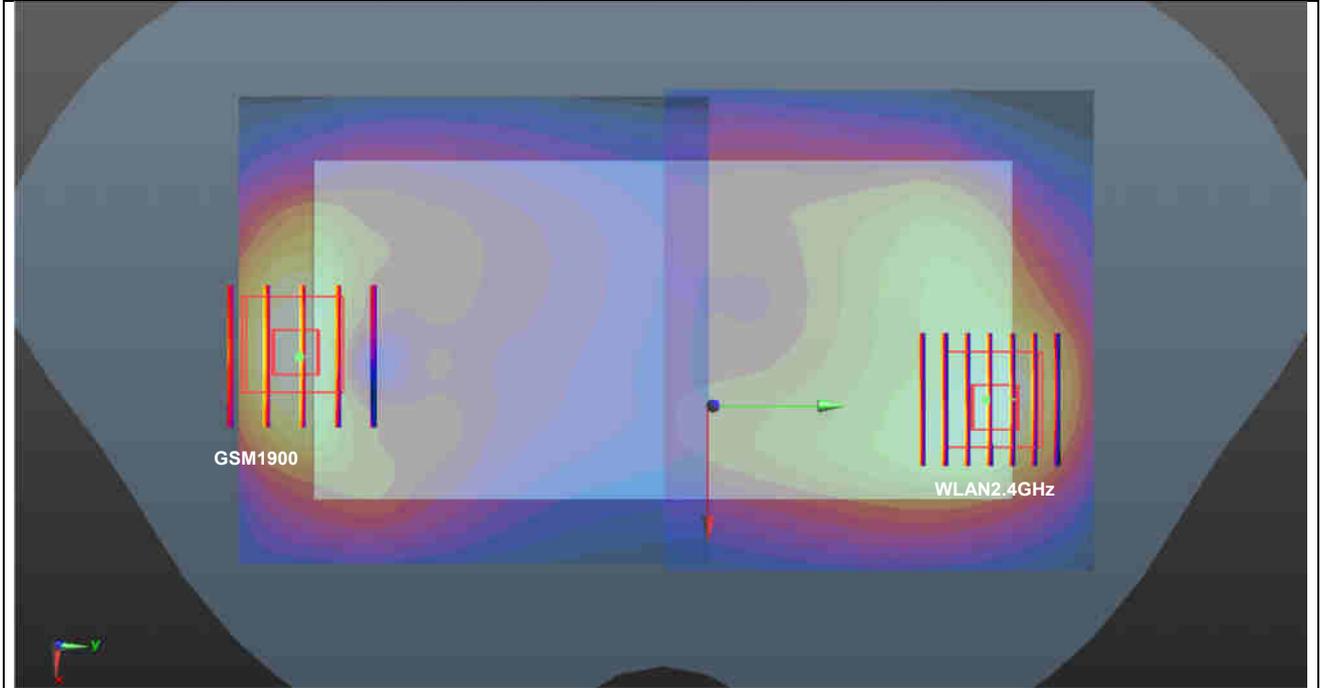
Case #1	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				
	GSM850	Back	1.269	5	2.8	-79.9	-1.05	155.5	2.17	0.02	Not required
	WLAN2.4GHz		0.897	5	16.6	75	-1.12				



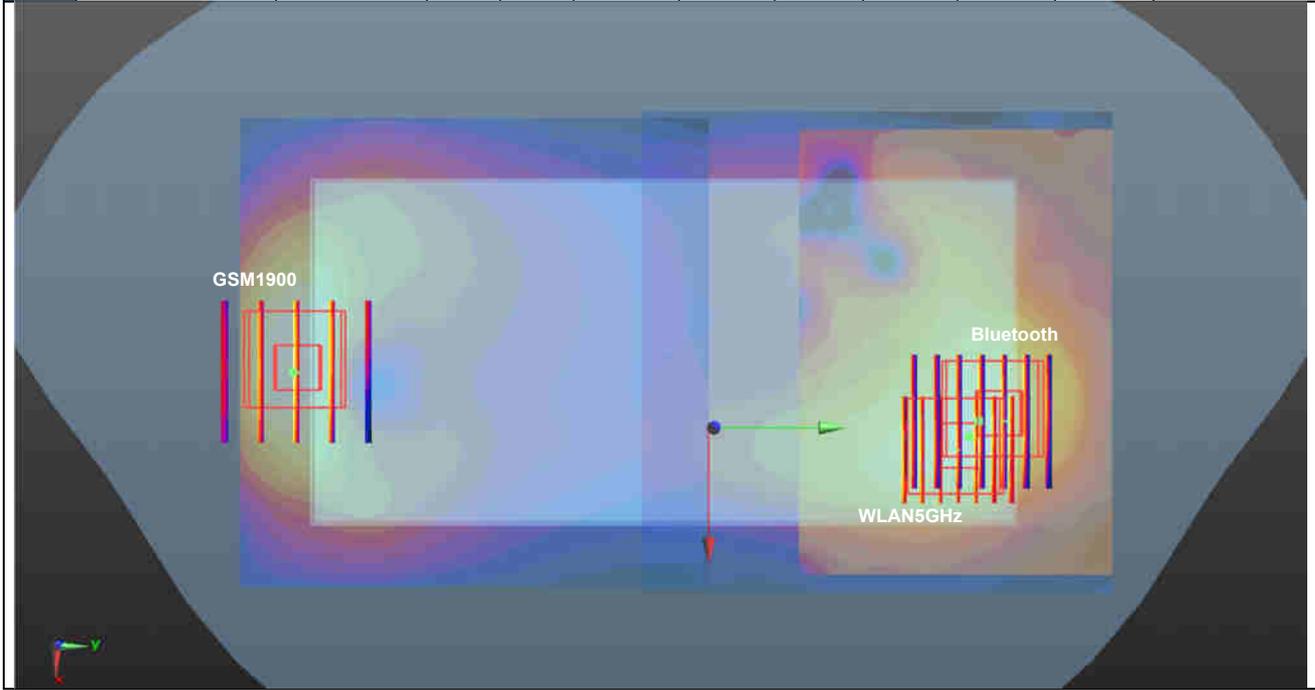
Case #2	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				
	GSM850	Back	1.269	5	2.8	-79.9	-1.05	149.1	2.47	0.03	Not required
	Bluetooth		0.114	5	13.6	75	-1.22				
	WLAN5GHz		1.085	5	19.6	68.2	-1.34				
	GSM850	Back	1.269	5	2.8	-79.9	-1.05	155.3	2.47	0.02	Not required
	WLAN5GHz		1.085	5	19.6	68.2	-1.34				
	Bluetooth		0.114	5	13.6	75	-1.22				



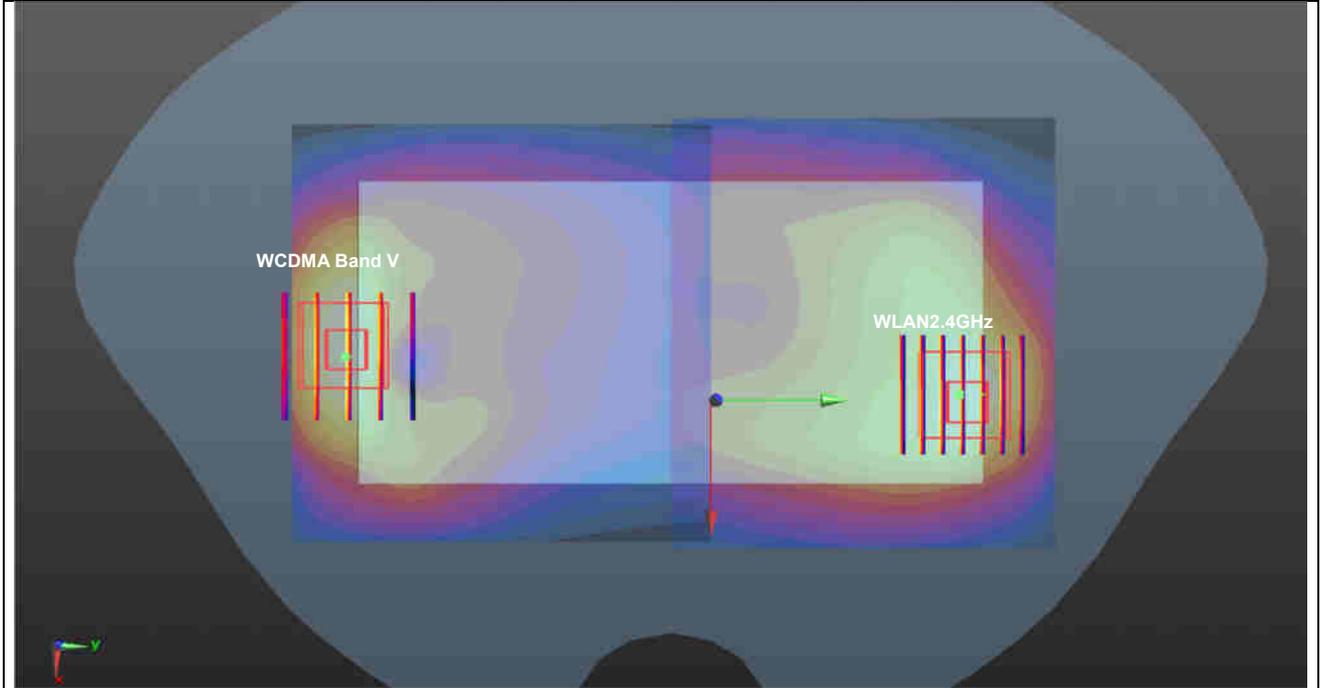
Case #3	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
	GSM1900				X	Y	Z				
	GSM1900	Back	1.101	5	6	-81.5	-0.9	156.9	2.00	0.02	Not required
	WLAN2.4GHz		0.897	5	16.6	75	-1.12				



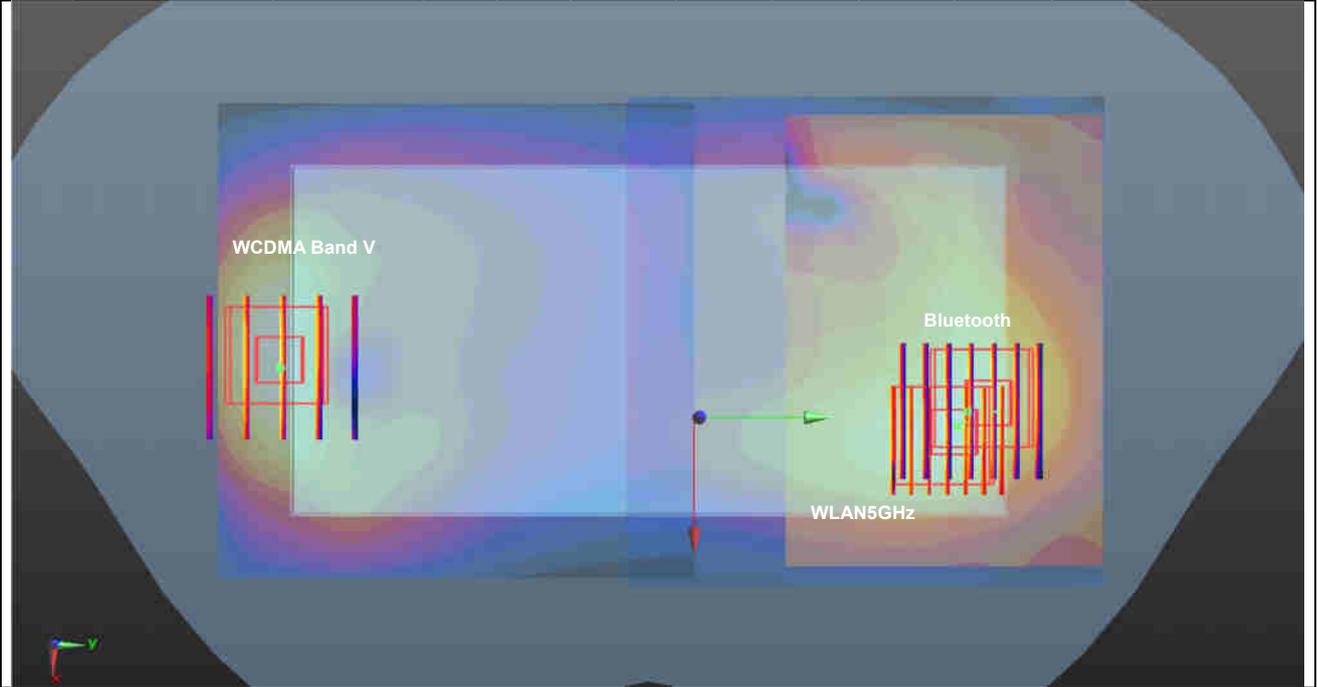
Case #4	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				
Case #4	GSM1900	Back	1.101	5	6	-81.5	-0.9	149.7	2.30	0.02	Not required
	Bluetooth		0.114	5	13.6	75	-1.22				
	WLAN5GHz		1.085	5	21.2	67.4	-1.31				
	GSM1900	Back	1.101	5	6	-81.5	-0.9	156.7	2.30	0.02	Not required
	WLAN5GHz		1.085	5	21.2	67.4	-1.31				
	Bluetooth		0.114	5	13.6	75	-1.22				



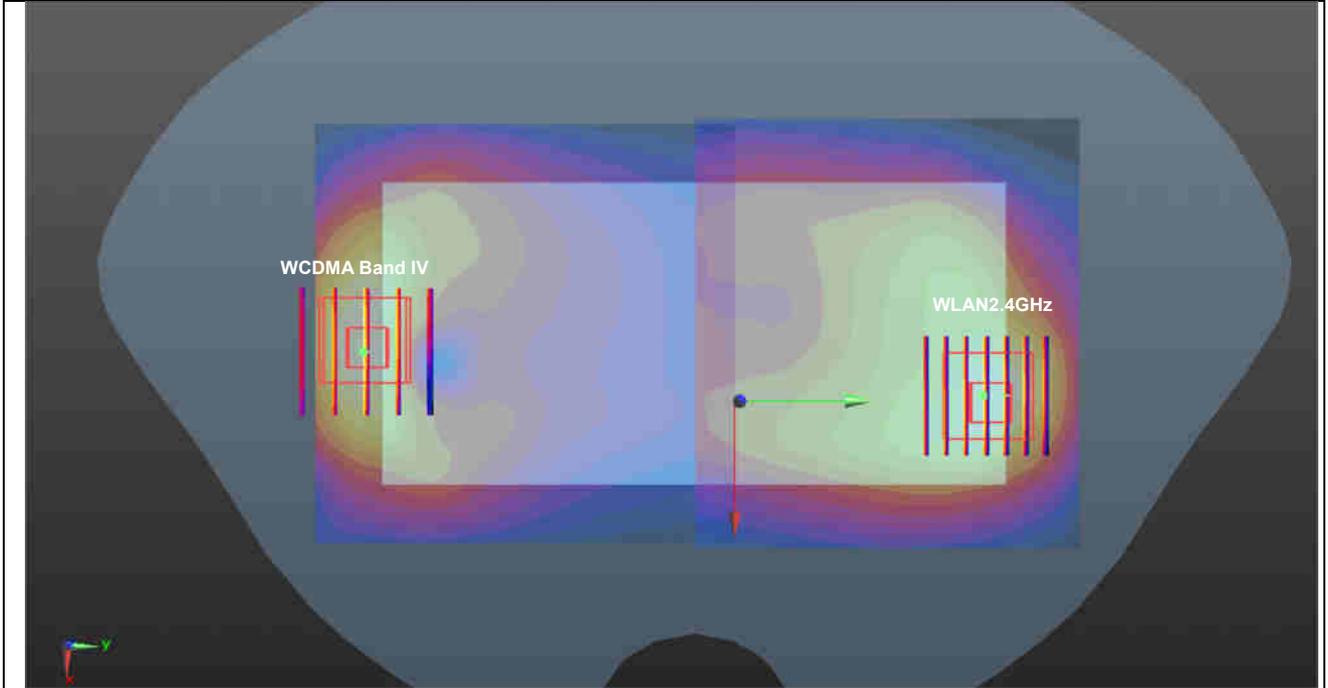
Case #5	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				
	WCDMA Band V	Back	1.156	5	4.4	-79.9	-1.02	155.4	2.05	0.02	Not required
	WLAN2.4GHz		0.897	5	16.6	75	-1.12				



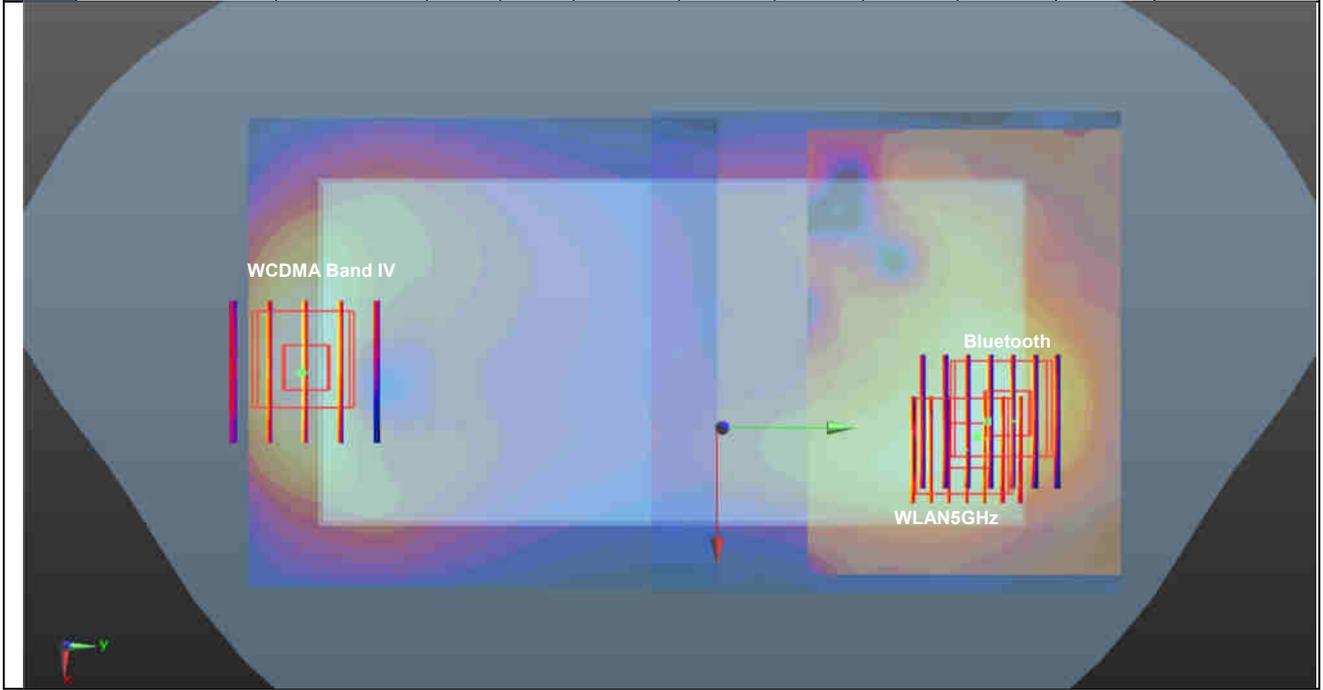
Case #6	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				
	WCDMA V	Back	1.156	5	4.4	-79.9	-1.02	148.9	2.36	0.02	Not required
	Bluetooth		0.114	5	13.6	75	-1.22				
	WLAN5GHz		1.085	5	19.6	68.2	-1.34				
	WCDMA V	Back	1.156	5	4.4	-79.9	-1.02	155.2	2.36	0.02	Not required
	WLAN5GHz		1.085	5	19.6	68.2	-1.34				
	Bluetooth		0.114	5	13.6	75	-1.22				



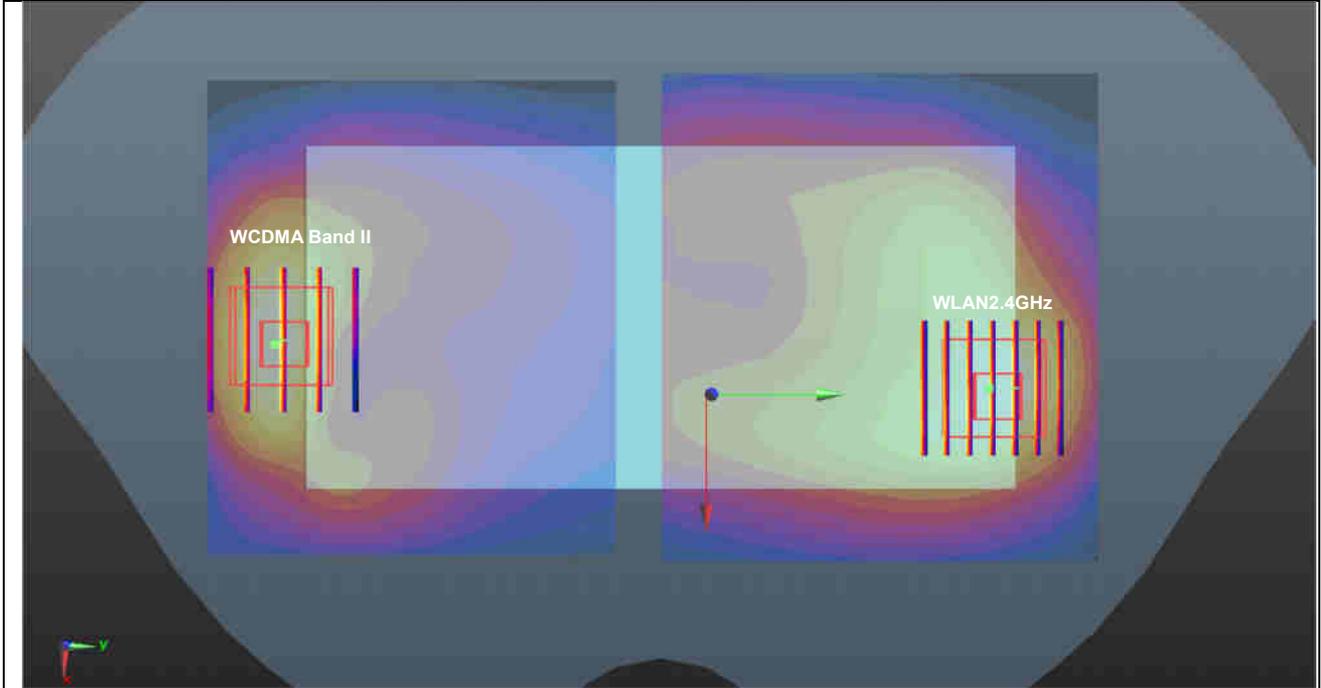
Case #7	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				
	WCDMA Band IV	Back	1.106	5	4.5	-81.4	-0.82	156.9	2.00	0.02	Not required
	WLAN2.4GHz		0.897	5	16.6	75	-1.12				



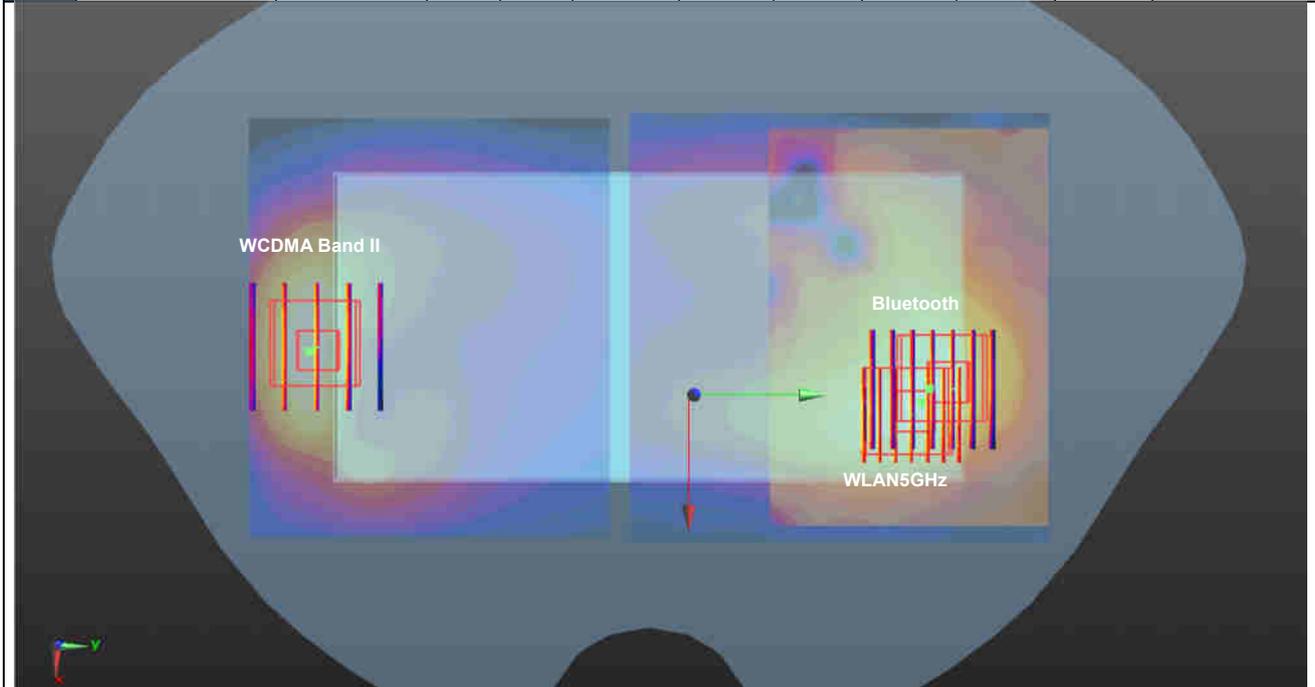
Case #8	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				
	WCDMA IV	Back	1.106	5	4.5	-81.4	-0.82	149.7	2.31	0.02	Not required
	Bluetooth		0.114	5	13.6	75	-1.22				
	WLAN5GHz		1.085	5	21.2	67.4	-1.31				
	WCDMA IV	Back	1.106	5	4.5	-81.4	-0.82	156.7	2.31	0.02	Not required
	WLAN5GHz		1.085	5	21.2	67.4	-1.31				
	Bluetooth		0.114	5	13.6	75	-1.22				



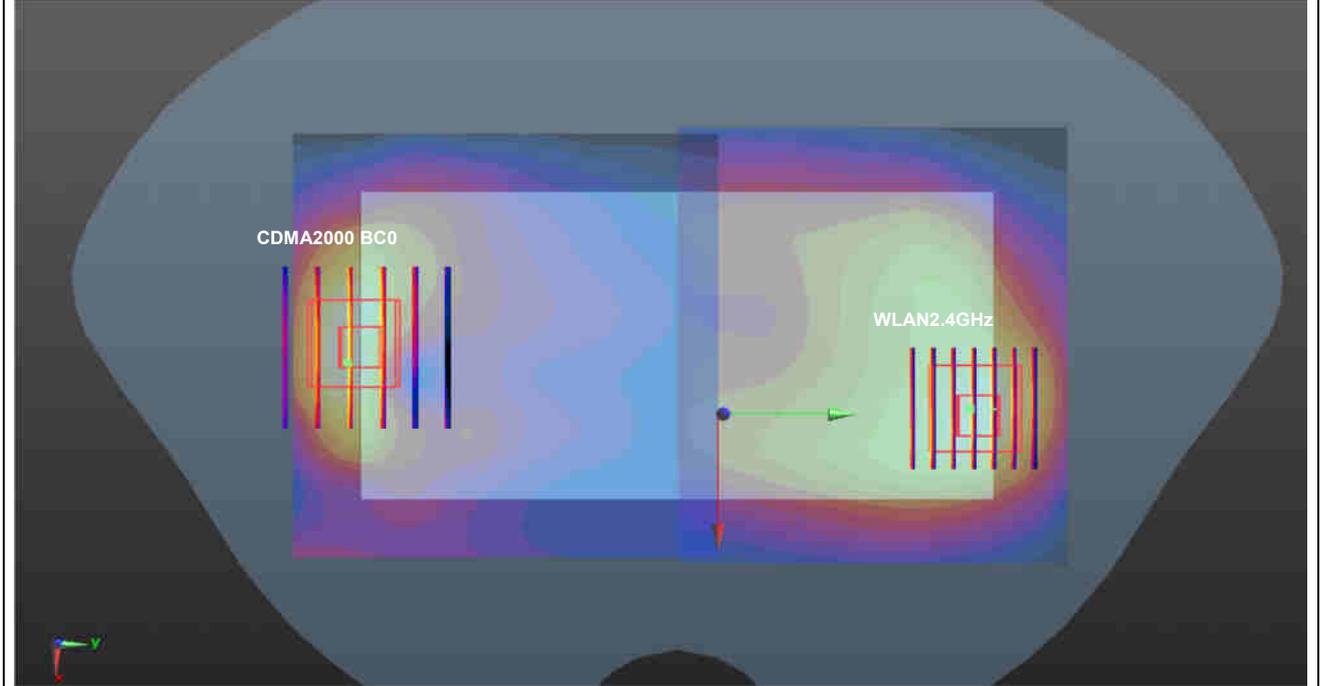
Case #9	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				
	WCDMA Band II	Back	1.130	5	8.2	-82.4	-0.92	157.6	2.03	0.02	Not required
	WLAN2.4GHz		0.897	5	16.6	75	-1.12				



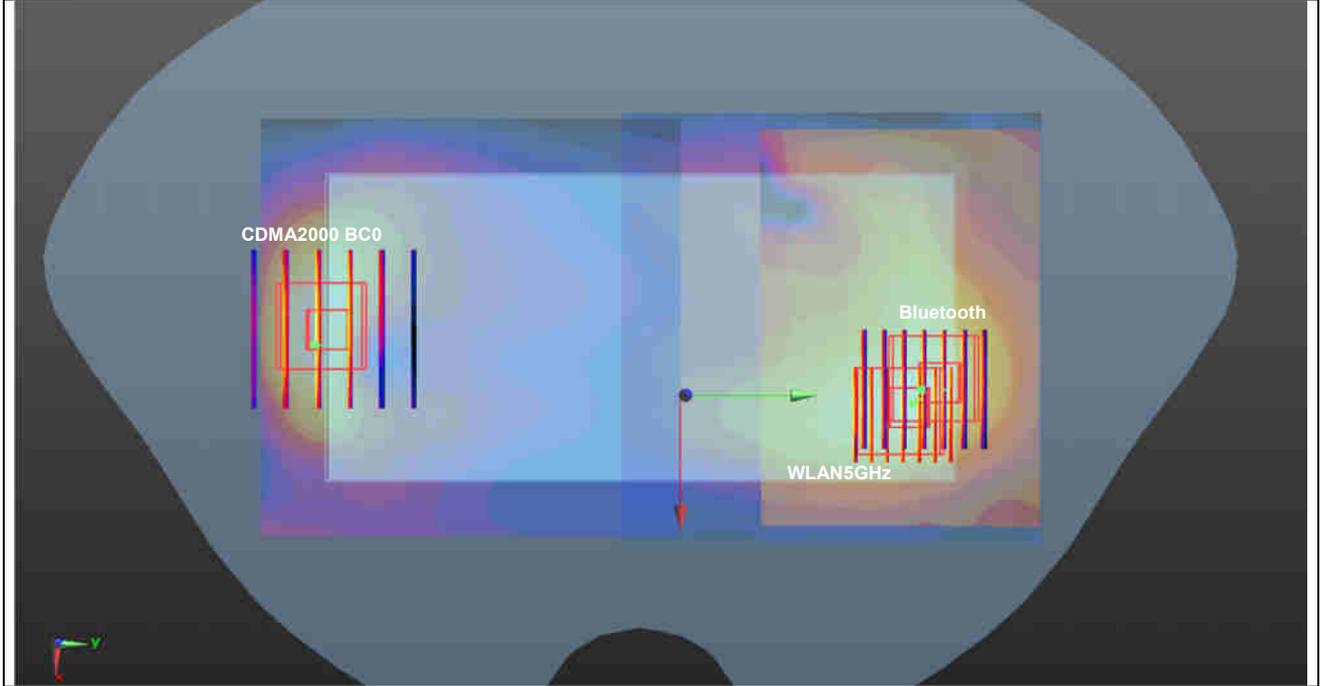
Case #10	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				
Case #10	WCDMA II	Back	1.130	5	8.2	-82.4	-0.92	150.4	2.33	0.02	Not required
	Bluetooth		0.114	5	13.6	75	-1.22				
	WLAN5GHz		1.085	5	21.2	67.4	-1.31				
	WCDMA II	Back	1.130	5	8.2	-82.4	-0.92	157.5	2.33	0.02	Not required
	WLAN5GHz		1.085	5	21.2	67.4	-1.31				
	Bluetooth		0.114	5	13.6	75	-1.22				



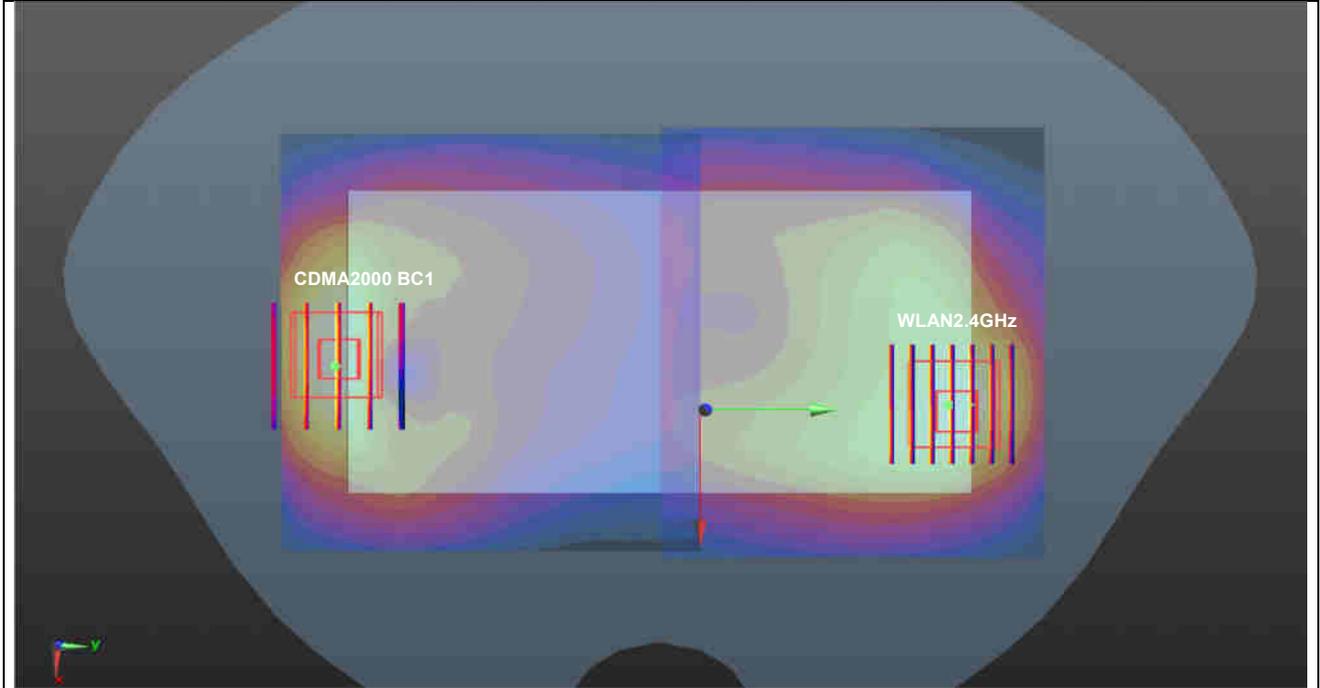
Case #11	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				
	CDMA2000 BC0	Back	1.247	5	1.4	-78.4	-1.28	154.2	2.14	0.02	Not required
	WLAN2.4GHz		0.897	5	16.6	75	-1.12				



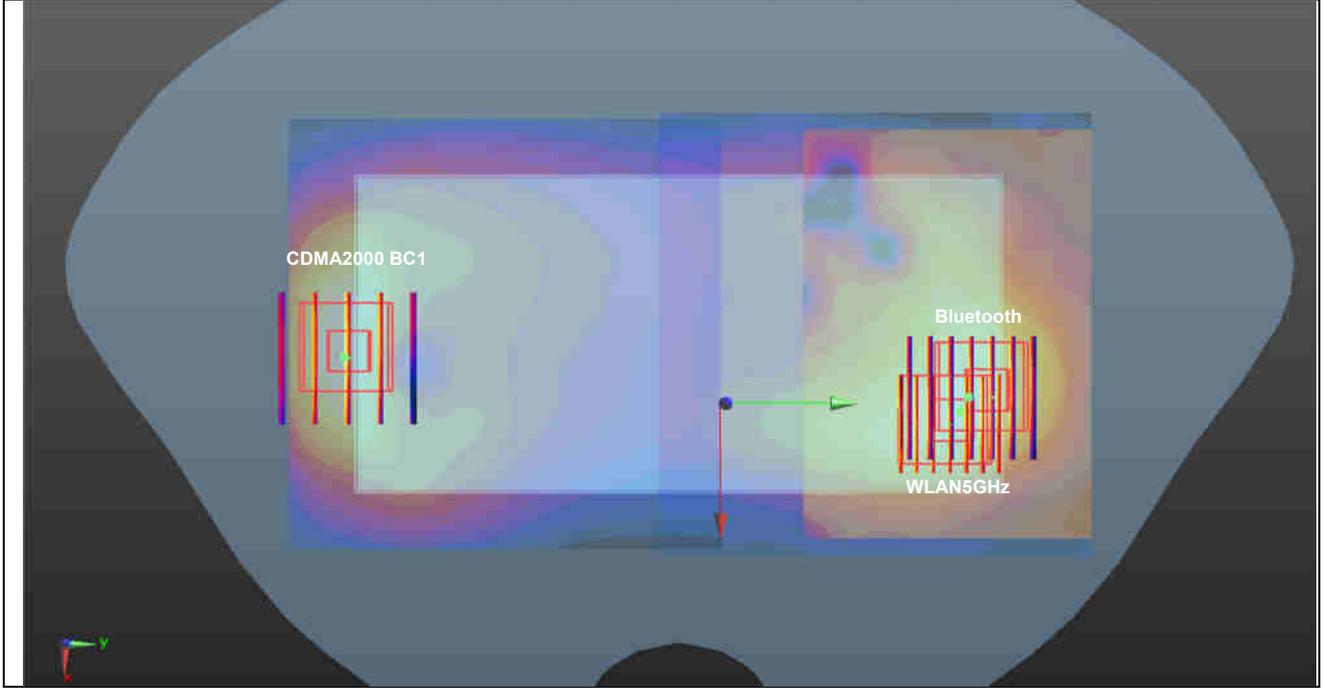
Case #12	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				
Case #12	CDMA2000 BC0	Back	1.247	5	1.4	-78.4	-1.28	147.1	2.45	0.03	Not required
	Bluetooth		0.114	5	13.6	75	-1.22				
	WLAN5GHz		1.085	5	21.2	67.4	-1.31				
	CDMA2000 BC0	Back	1.247	5	1.4	-78.4	-1.28	153.9	2.45	0.02	Not required
	WLAN5GHz		1.085	5	21.2	67.4	-1.31				
	Bluetooth		0.114	5	13.6	75	-1.22				



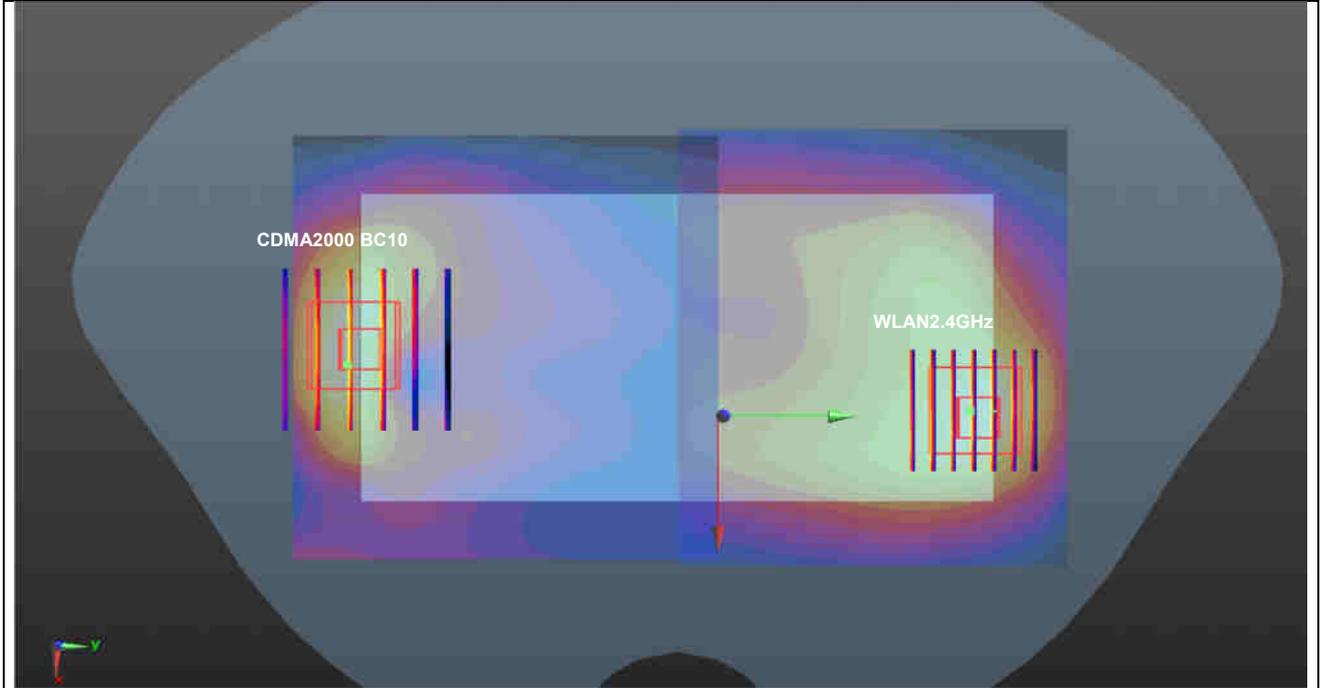
Case #13	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				
	CDMA2000 BC1	Back	1.083	5	4.4	-79.9	-1.02	155.4	1.98	0.02	Not required
	WLAN2.4GHz		0.897	5	16.6	75	-1.12				



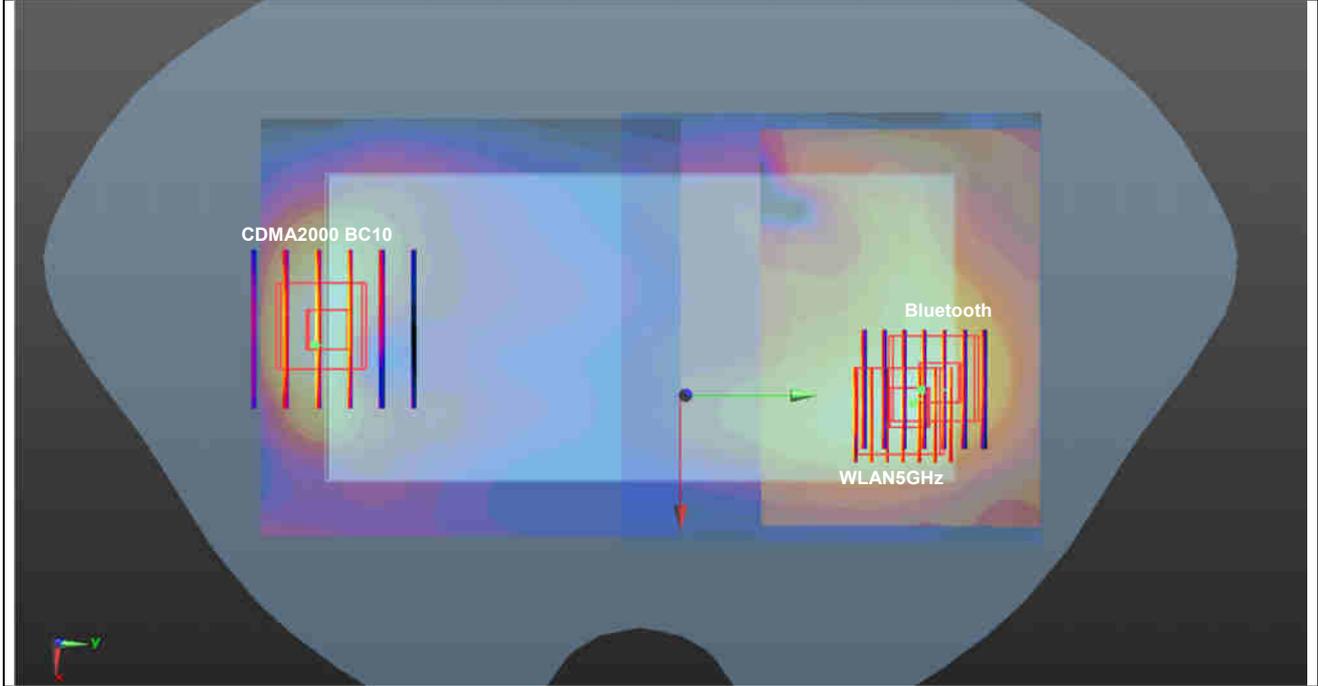
Case #14	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				
Case #14	CDMA2000 BC1	Back	1.083	5	4.4	-79.9	-1.02	148.3	2.28	0.02	Not required
	Bluetooth		0.114	5	13.6	75	-1.22				
	WLAN5GHz		1.085	5	21.2	67.4	-1.31				
	CDMA2000 BC1	Back	1.083	5	4.4	-79.9	-1.02	155.2	2.28	0.02	Not required
	WLAN5GHz		1.085	5	21.2	67.4	-1.31				
	Bluetooth		0.114	5	13.6	75	-1.22				



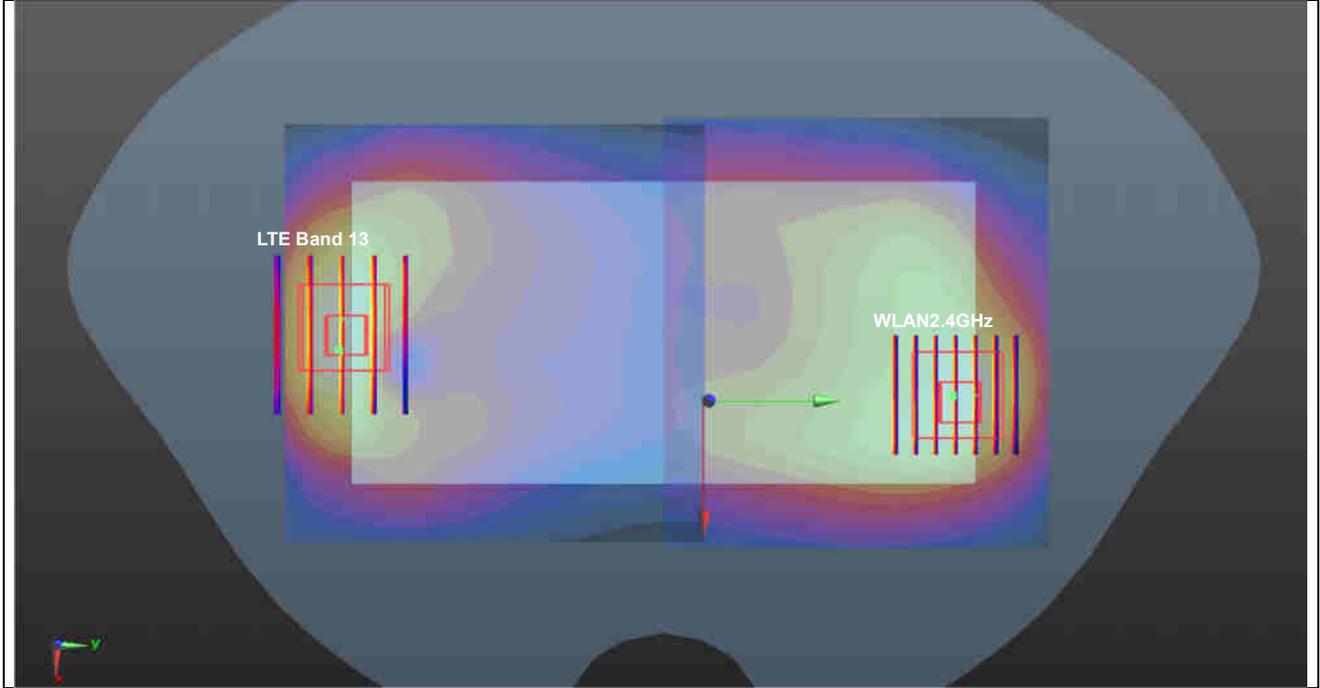
Case #15	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				
	CDMA2000 BC10	Back	1.113	5	1.3	-78.1	-1.27	153.9	2.01	0.02	Not required
	WLAN2.4GHz		0.897	5	16.6	75	-1.12				



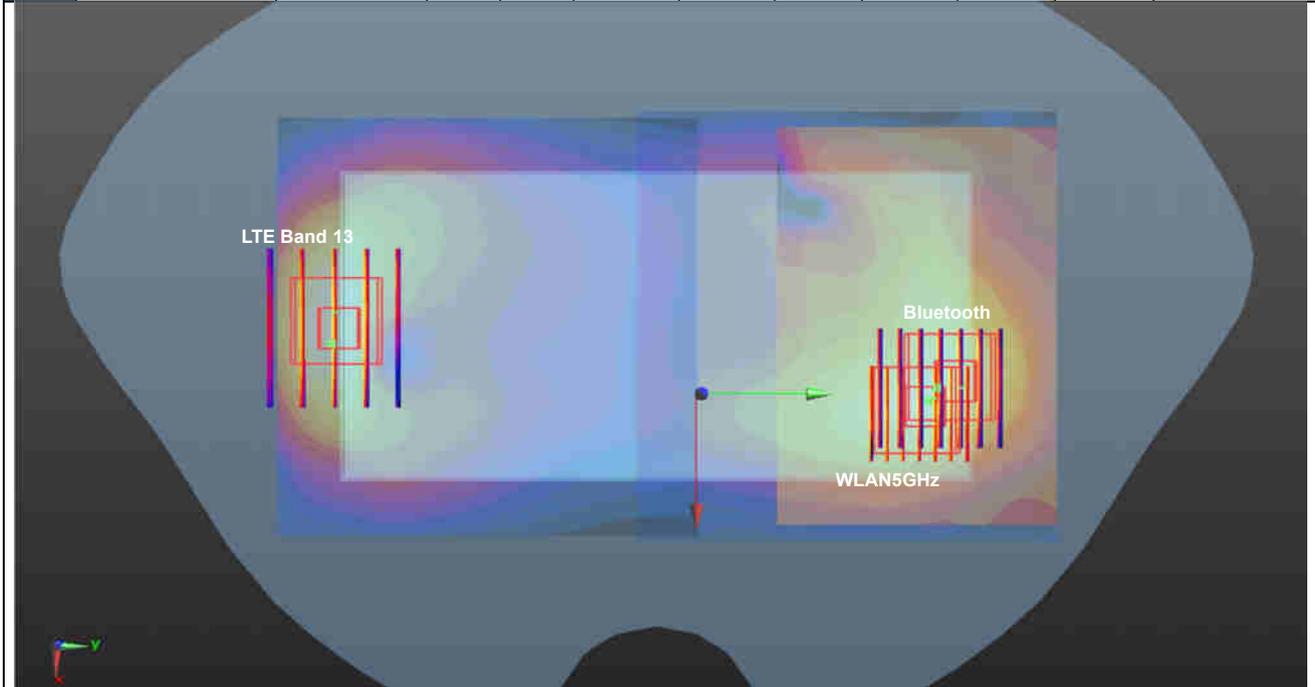
Case #16	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				
Case #16	CDMA2000 BC10	Back	1.113	5	1.3	-78.1	-1.27	146.9	2.31	0.02	Not required
	Bluetooth		0.114	5	13.6	75	-1.22				
	WLAN5GHz		1.085	5	21.2	67.4	-1.31				
	CDMA2000 BC10	Back	1.113	5	1.3	-78.1	-1.27	153.6	2.31	0.02	Not required
	WLAN5GHz		1.085	5	21.2	67.4	-1.31				
	Bluetooth		0.114	5	13.6	75	-1.22				



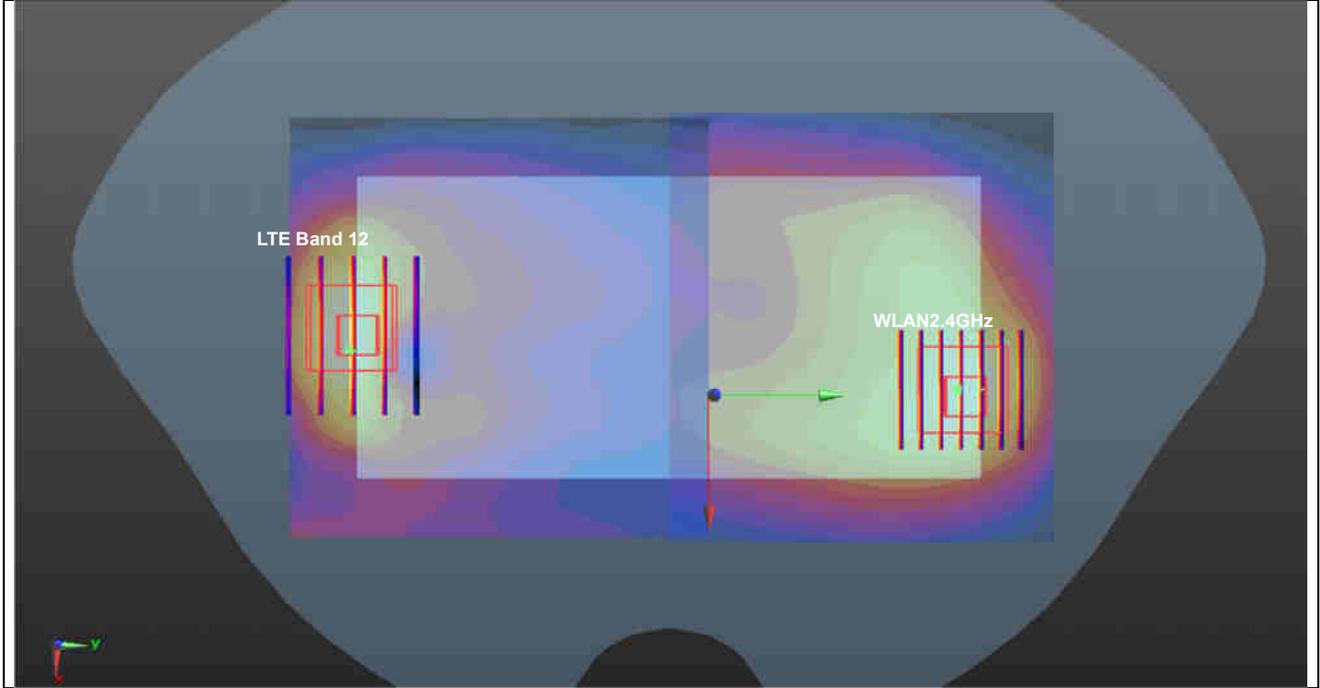
Case #17	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				
	LTE Band 13	Back	0.965	5	1.3	-78.3	-1.09	154.1	1.86	0.02	Not required
	WLAN2.4GHz		0.897	5	16.6	75	-1.12				



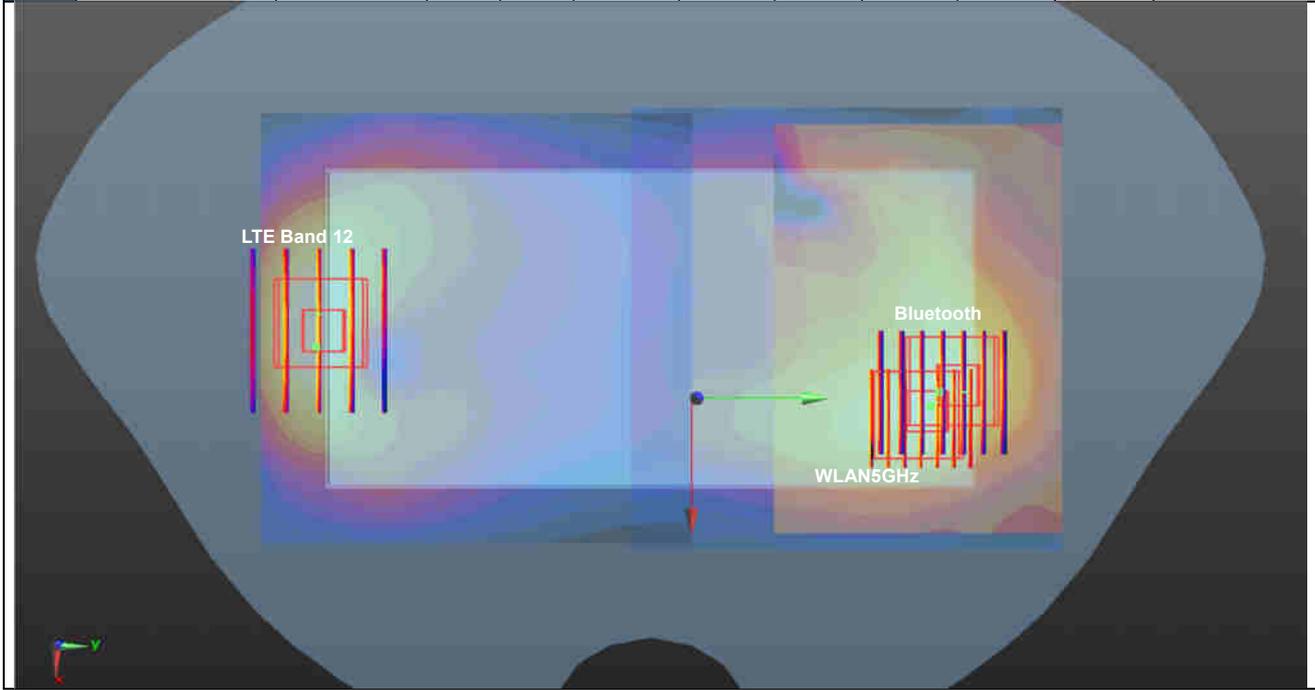
Case #18	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				
Case #18	LTE Band 13	Back	0.965	5	1.3	-78.3	-1.09	147.6	2.16	0.02	Not required
	Bluetooth		0.114	5	13.6	75	-1.22				
	WLAN5GHz		1.085	5	19.6	68.2	-1.34				
	LTE Band 13	Back	0.965	5	1.3	-78.3	-1.09	153.8	2.16	0.02	Not required
	WLAN5GHz		1.085	5	19.6	68.2	-1.34				
	Bluetooth		0.114	5	13.6	75	-1.22				



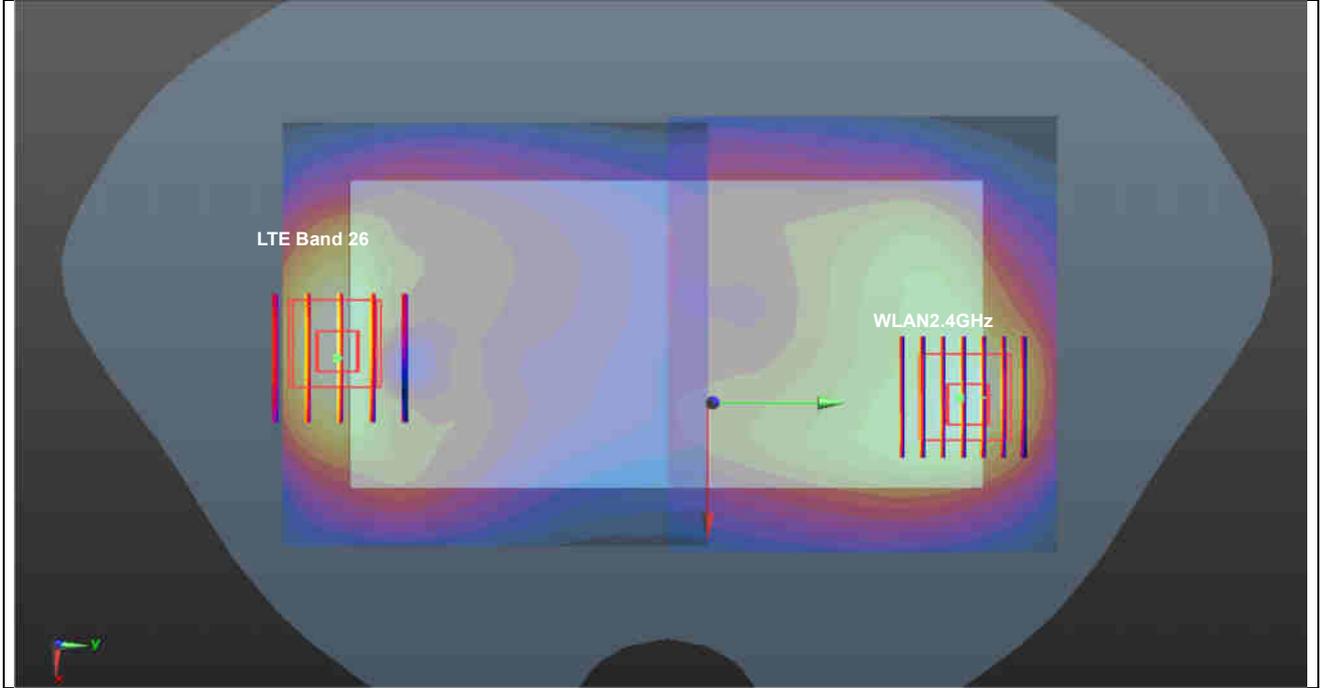
Case #19	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				
	LTE Band 12	Back	0.845	5	2.8	-76.8	-1.23	152.4	1.74	0.02	Not required
	WLAN2.4GHz		0.897	5	16.6	75	-1.12				



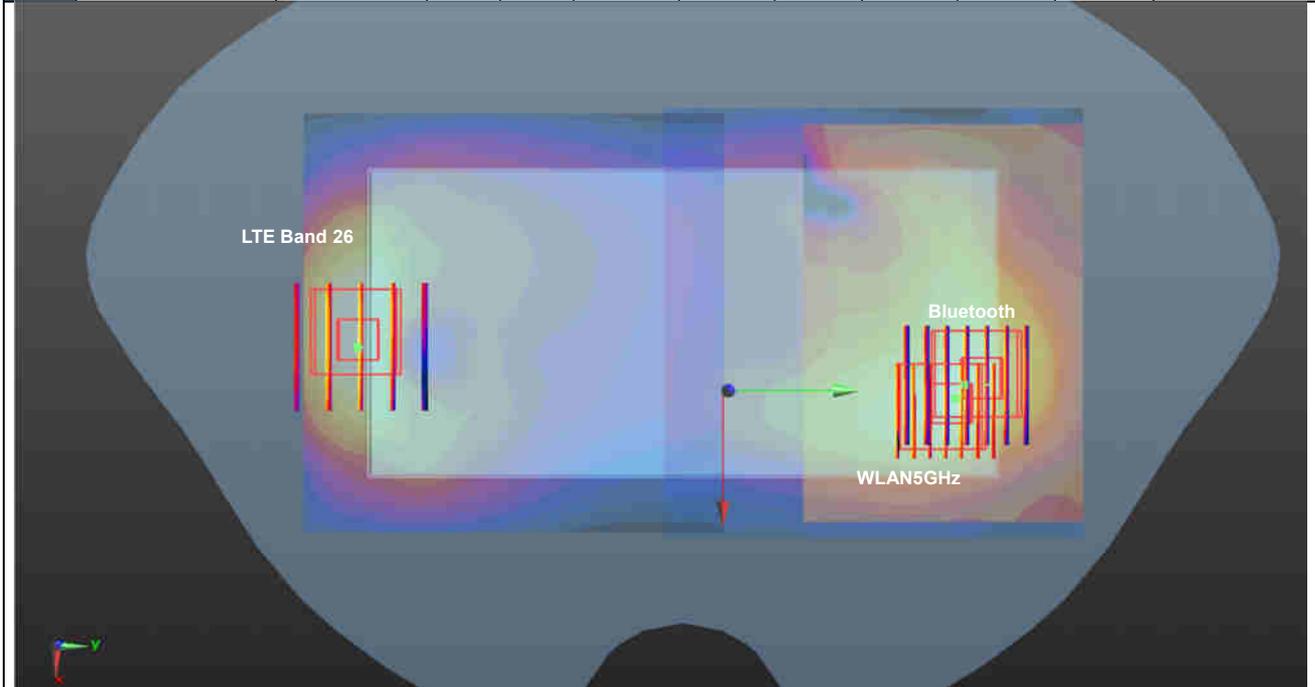
Case #20	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				
Case #20	LTE Band 12	Back	0.845	5	2.8	-76.8	-1.23	146.0	2.04	0.02	Not required
	Bluetooth		0.114	5	13.6	75	-1.22				
	WLAN5GHz		1.085	5	19.6	68.2	-1.34				
	LTE Band 12	Back	0.845	5	2.8	-76.8	-1.23	152.2	2.04	0.02	Not required
	WLAN5GHz+Bluetooth		1.085	5	19.6	68.2	-1.34				
	Bluetooth+WLAN5GHz		0.114	5	13.6	75	-1.22				



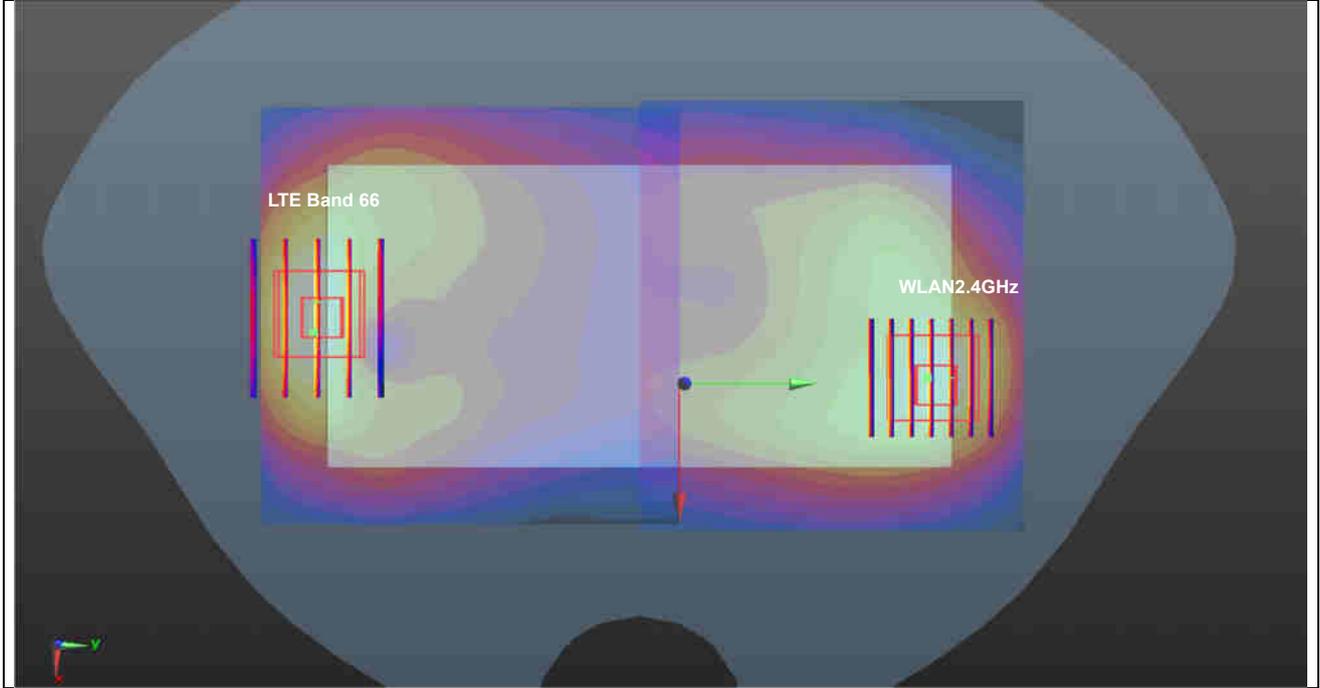
Case #21	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				
	LTE Band 26	Back	1.169	5	4.4	-79.9	-1	155.4	2.07	0.02	Not required
	WLAN2.4GHz		0.897	5	16.6	75	-1.12				



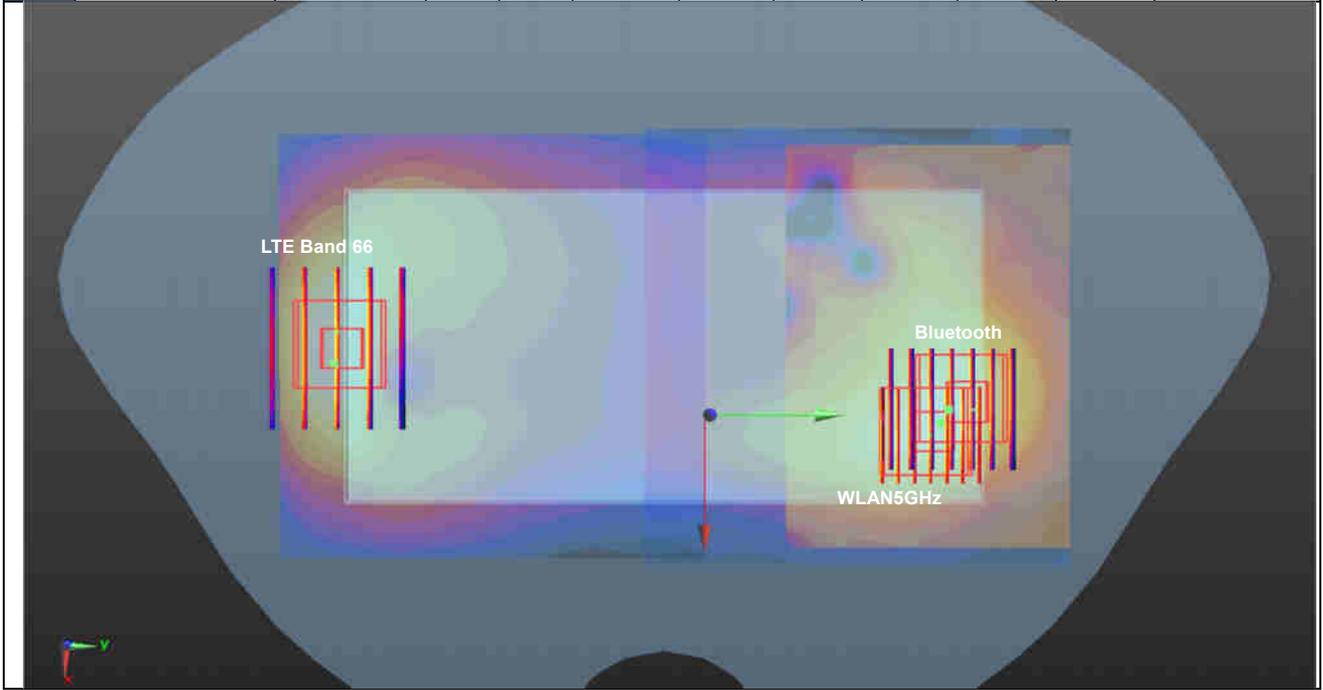
Case #22	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				
Case #22	LTE Band 26	Back	1.169	5	4.4	-79.9	-1	148.9	2.37	0.02	Not required
	Bluetooth		0.114	5	13.6	75	-1.22				
	WLAN5GHz		1.085	5	19.6	68.2	-1.34				
	LTE Band 26	Back	1.169	5	4.4	-79.9	-1	155.2	2.37	0.02	Not required
	WLAN5GHz		1.085	5	19.6	68.2	-1.34				
	Bluetooth		0.114	5	13.6	75	-1.22				



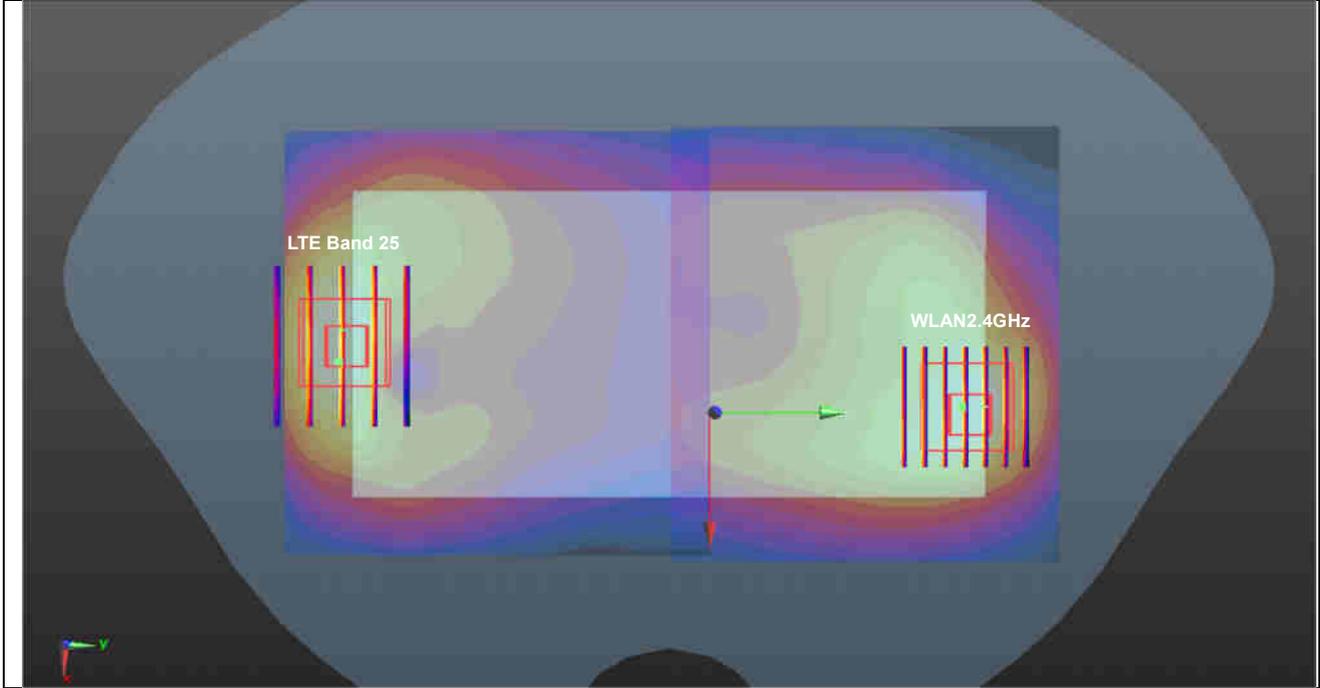
Case #23	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				
	LTE Band 66	Back	1.086	5	1.3	-78.3	-1.13	154.1	1.98	0.02	Not required
	WLAN2.4GHz		0.897	5	16.6	75	-1.12				



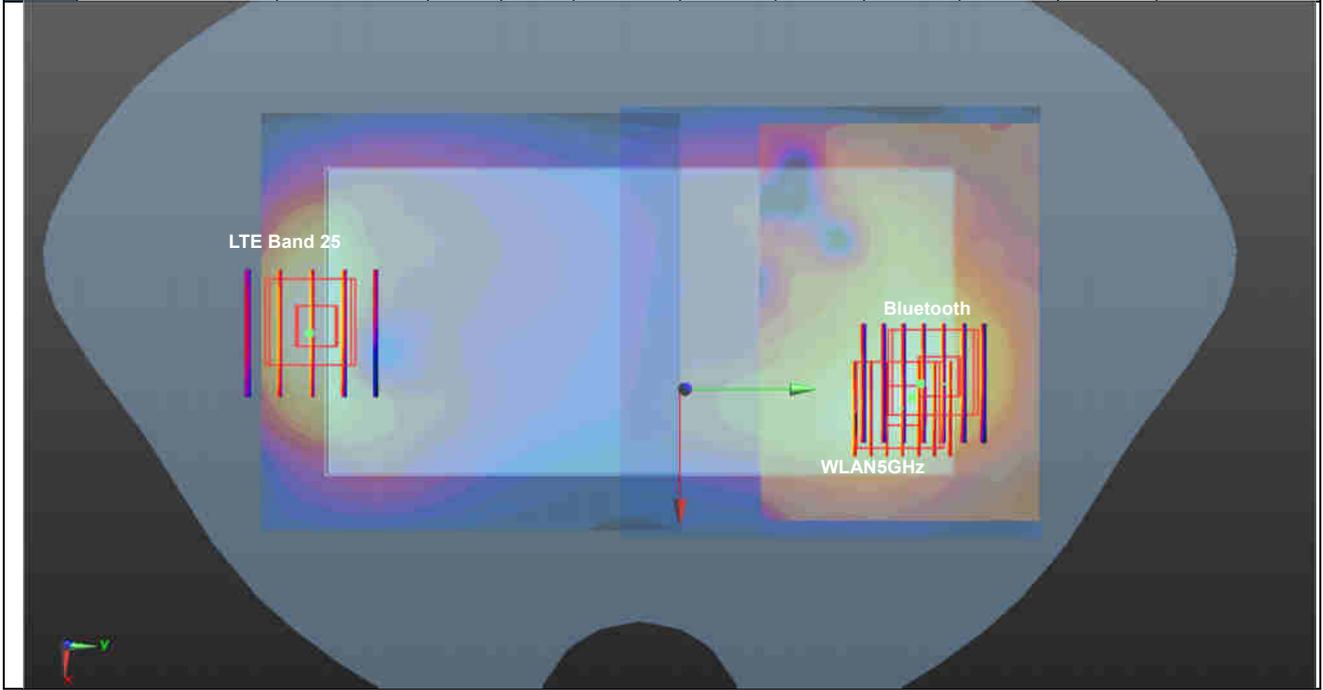
Case #24	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				
Case #24	LTE Band 66	Back	1.086	5	1.3	-78.3	-1.13	147.1	2.29	0.02	Not required
	Bluetooth		0.114	5	13.6	75	-1.22				
	WLAN5GHz		1.085	5	21.2	67.4	-1.31				
	LTE Band 66	Back	1.086	5	1.3	-78.3	-1.13	153.8	2.29	0.02	Not required
	WLAN5GHz		1.085	5	21.2	67.4	-1.31				
	Bluetooth		0.114	5	13.6	75	-1.22				



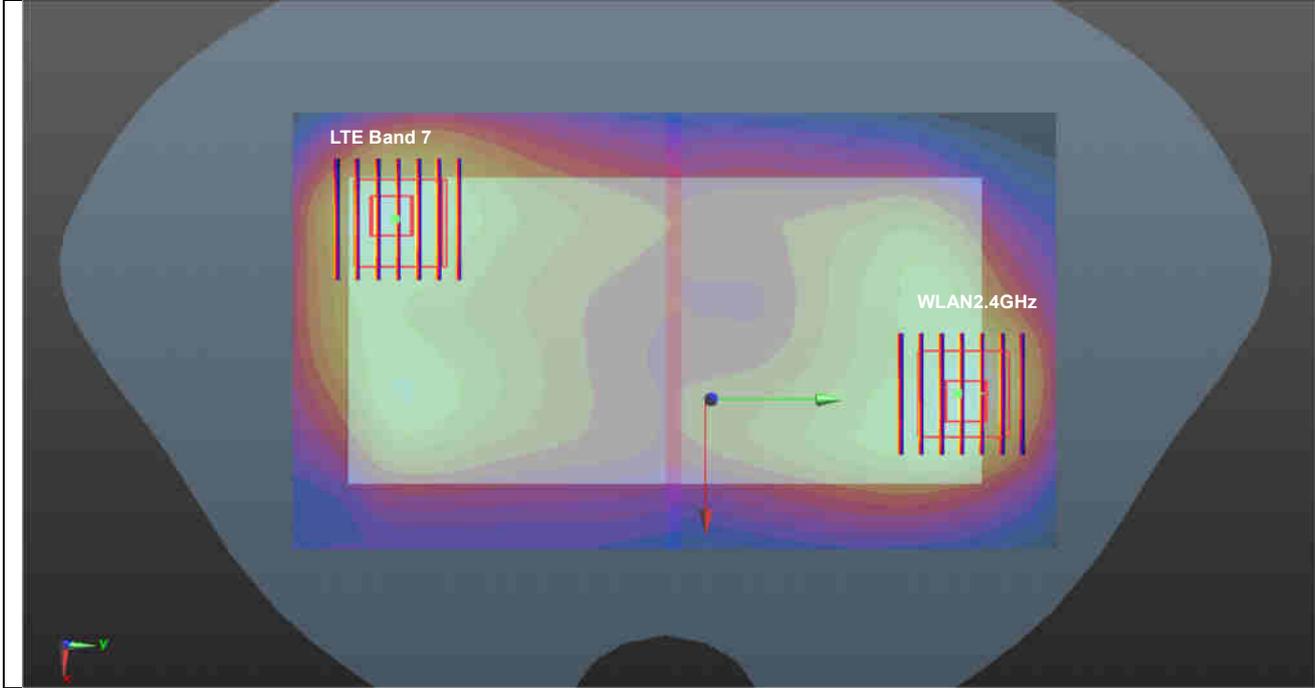
Case #25	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				
	LTE Band 25	Back	1.189	5	1.4	-79.8	-0.94	155.5	2.09	0.02	Not required
	WLAN2.4GHz		0.897	5	16.6	75	-1.12				



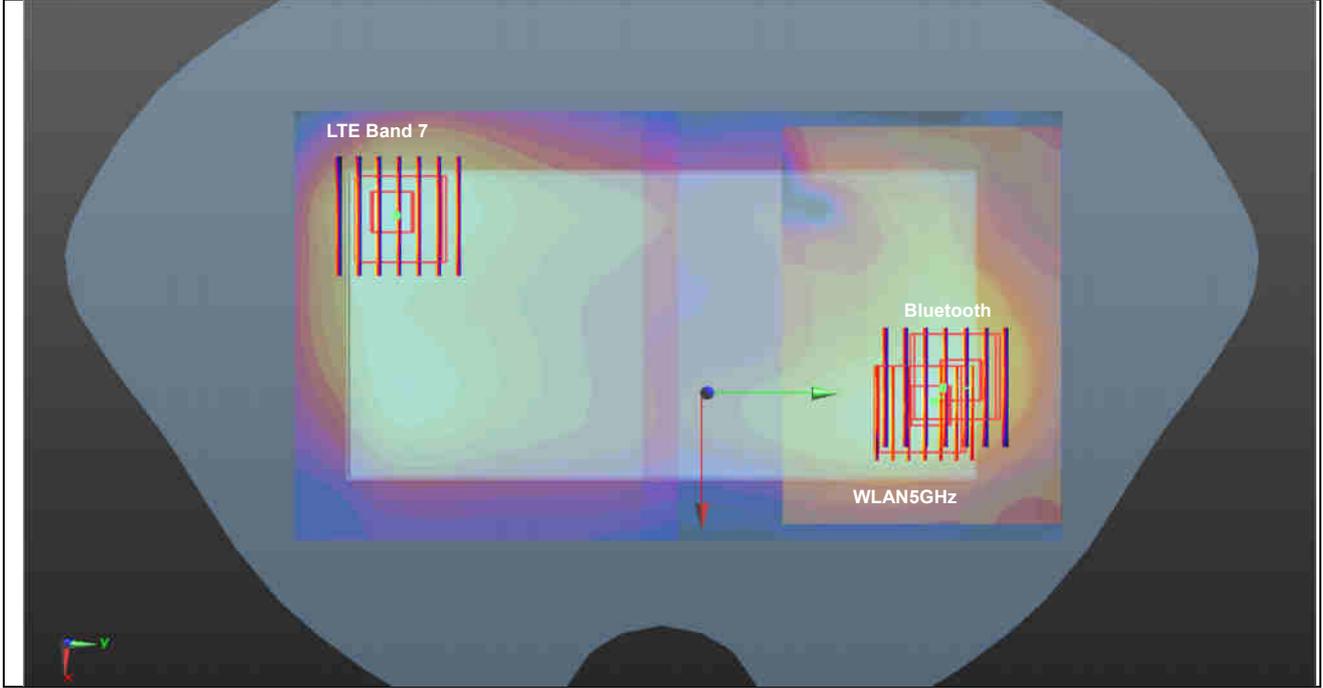
Case #26	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				
Case #26	LTE Band 25	Back	1.189	5	1.4	-79.8	-0.94	148.5	2.39	0.02	Not required
	Bluetooth		0.114	5	13.6	75	-1.22				
	WLAN5GHz		1.085	5	21.2	67.4	-1.31				
Case #26	LTE Band 25	Back	1.189	5	1.4	-79.8	-0.94	155.3	2.39	0.02	Not required
	WLAN5GHz		1.085	5	21.2	67.4	-1.31				
	Bluetooth		0.114	5	13.6	75	-1.22				



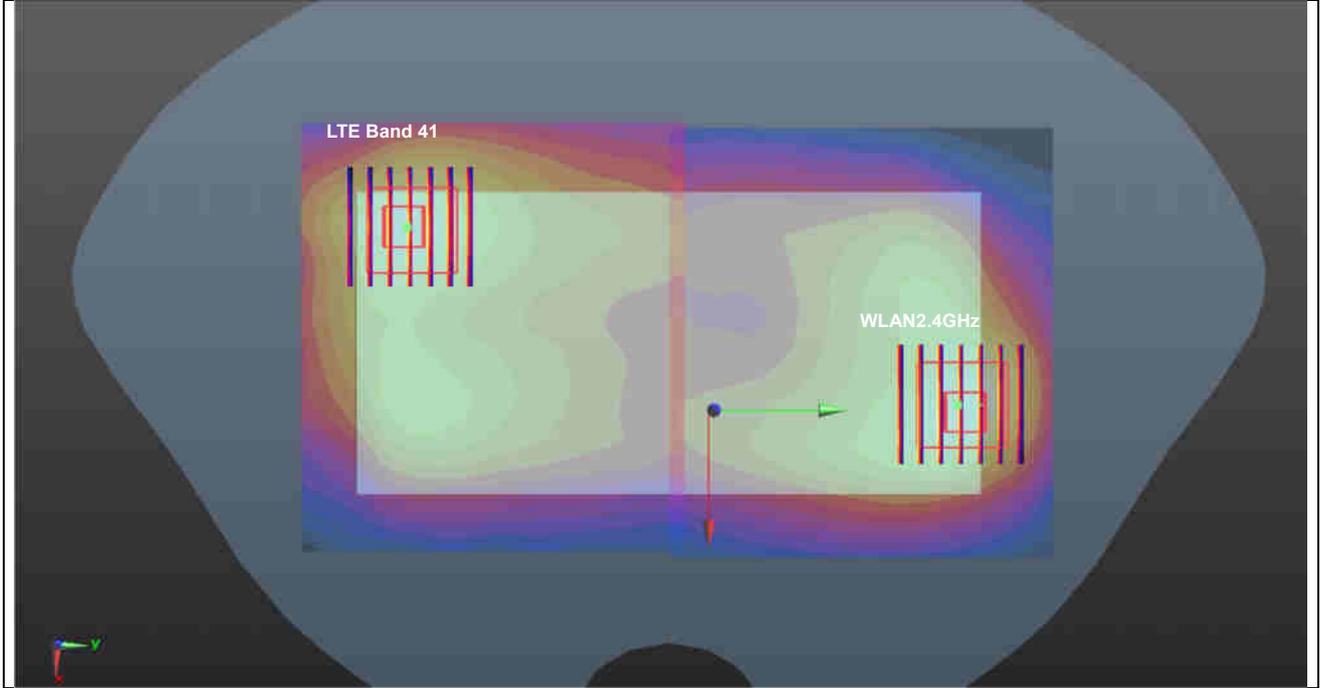
Case #27	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				
	LTE Band 7	Back	1.331	5	-29.6	-68.8	-0.95	151.0	2.23	0.02	Not required
	WLAN2.4GHz		0.897	5	16.6	75	-1.12				



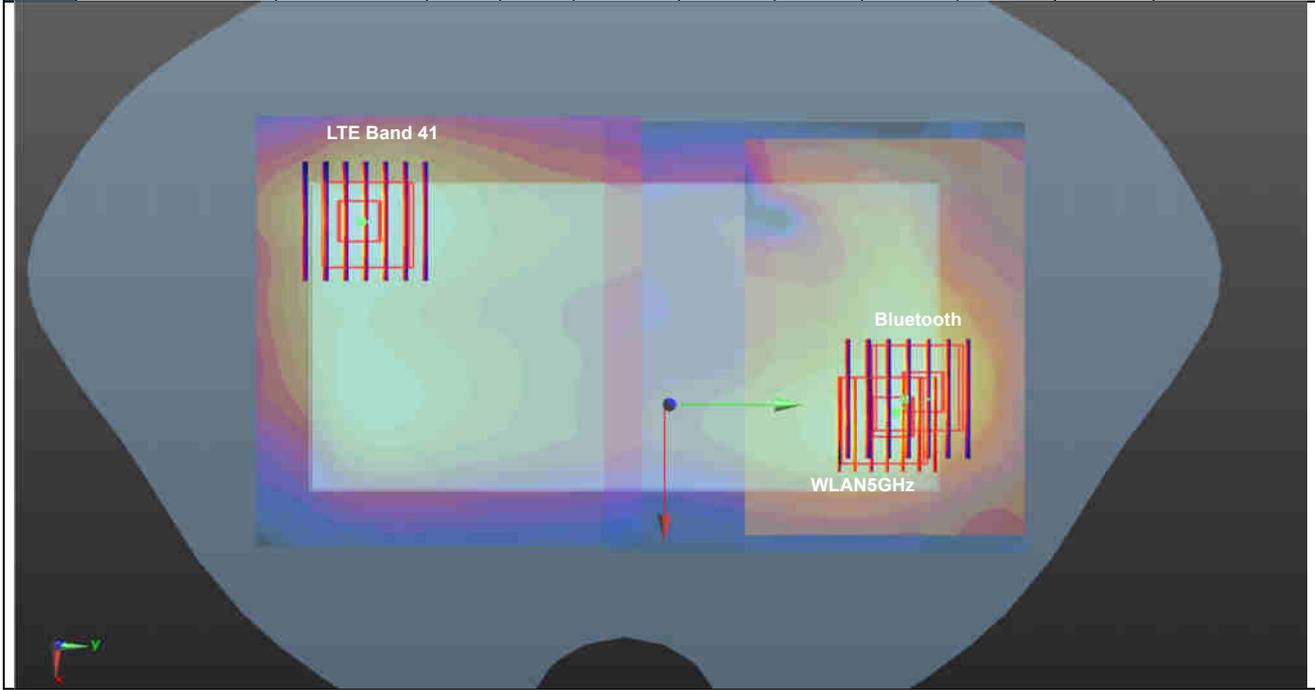
Case #28	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				
Case #28	LTE Band 7	Back	1.331	5	-29.6	-68.8	-0.95	145.6	2.53	0.03	Not required
	Bluetooth		0.114	5	13.6	75	-1.22				
	WLAN5GHz		1.085	5	19.6	68.2	-1.34				
	LTE Band 7	Back	1.331	5	-29.6	-68.8	-0.95	150.1	2.53	0.03	Not required
	WLAN5GHz		1.085	5	19.6	68.2	-1.34				
	Bluetooth		0.114	5	13.6	75	-1.22				



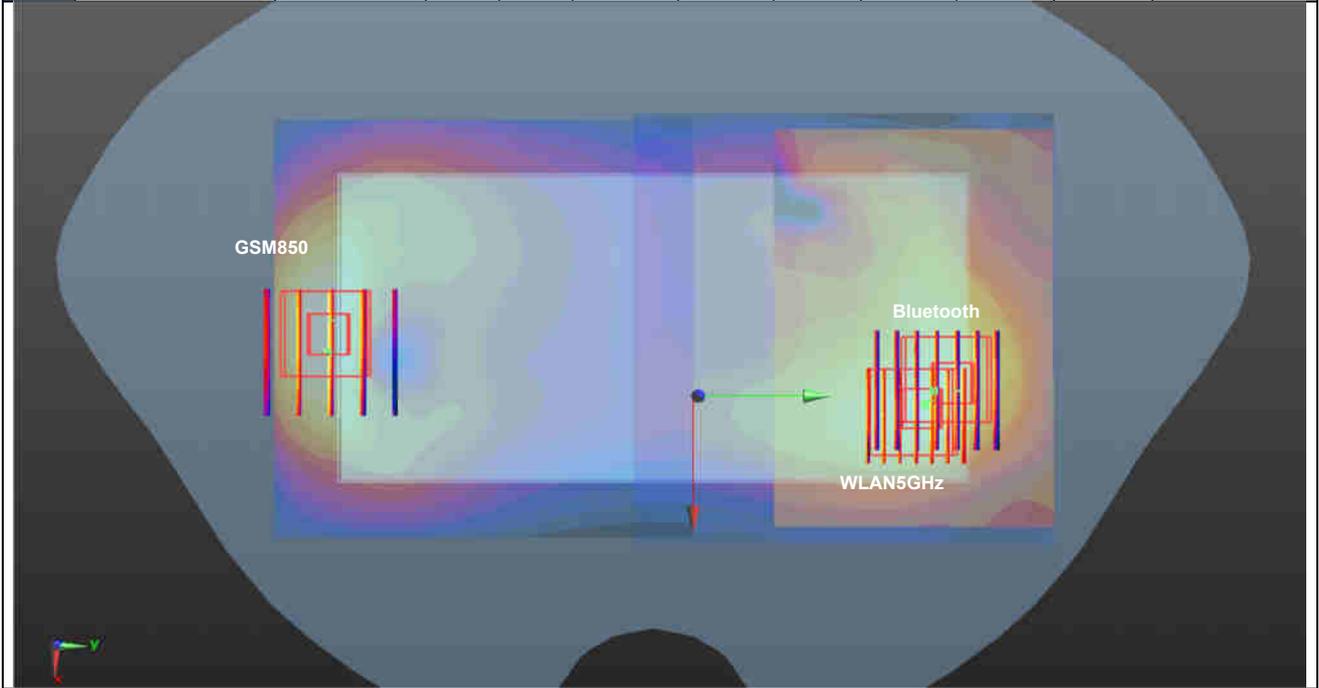
Case #29	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				
	LTE Band 41	Back	1.394	5	-30.1	-68.6	-1.23	151.0	2.29	0.02	Not required
	WLAN2.4GHz		0.897	5	16.6	75	-1.12				



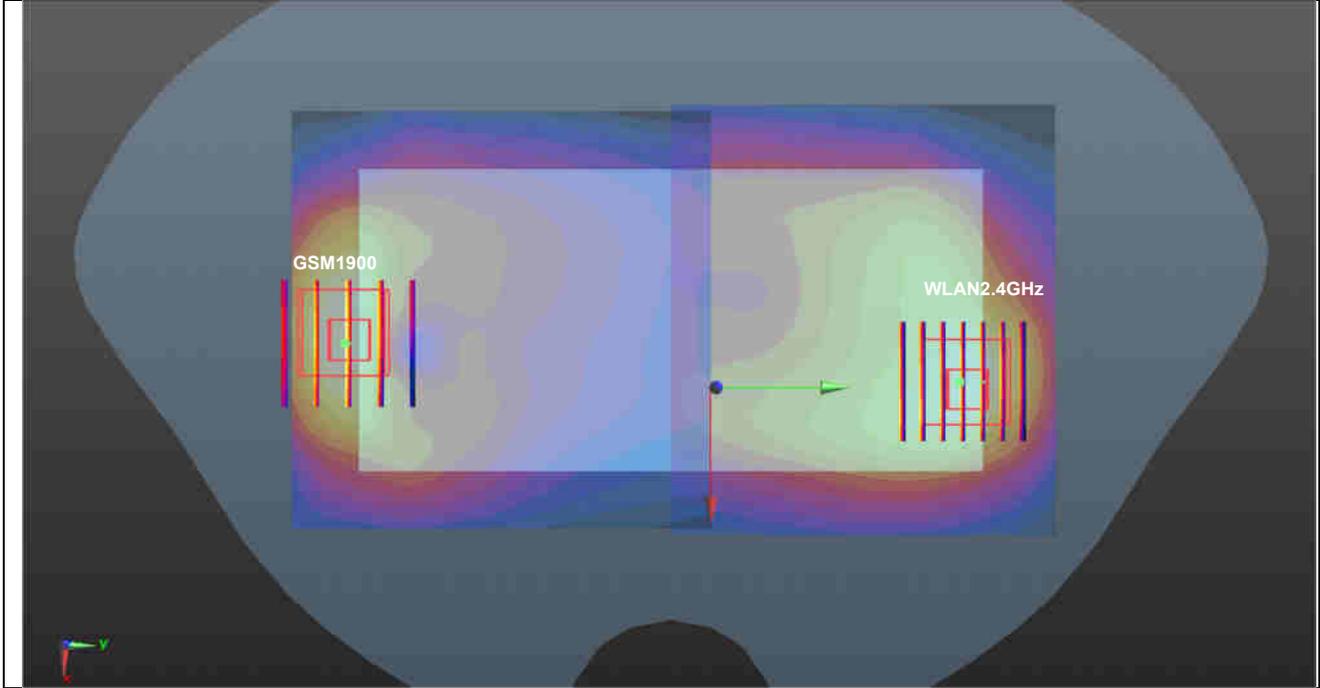
Case #30	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				
Case #30	LTE Band 41	Back	1.394	5	-30.1	-68.6	-1.23	145.5	2.59	0.03	Not required
	Bluetooth		0.114	5	13.6	75	-1.22				
	WLAN5GHz		1.085	5	19.6	68.2	-1.34				
	LTE Band 41	Back	1.394	5	-30.1	-68.6	-1.23	150.1	2.59	0.03	Not required
	WLAN5GHz		1.085	5	19.6	68.2	-1.34				
	Bluetooth		0.114	5	13.6	75	-1.22				



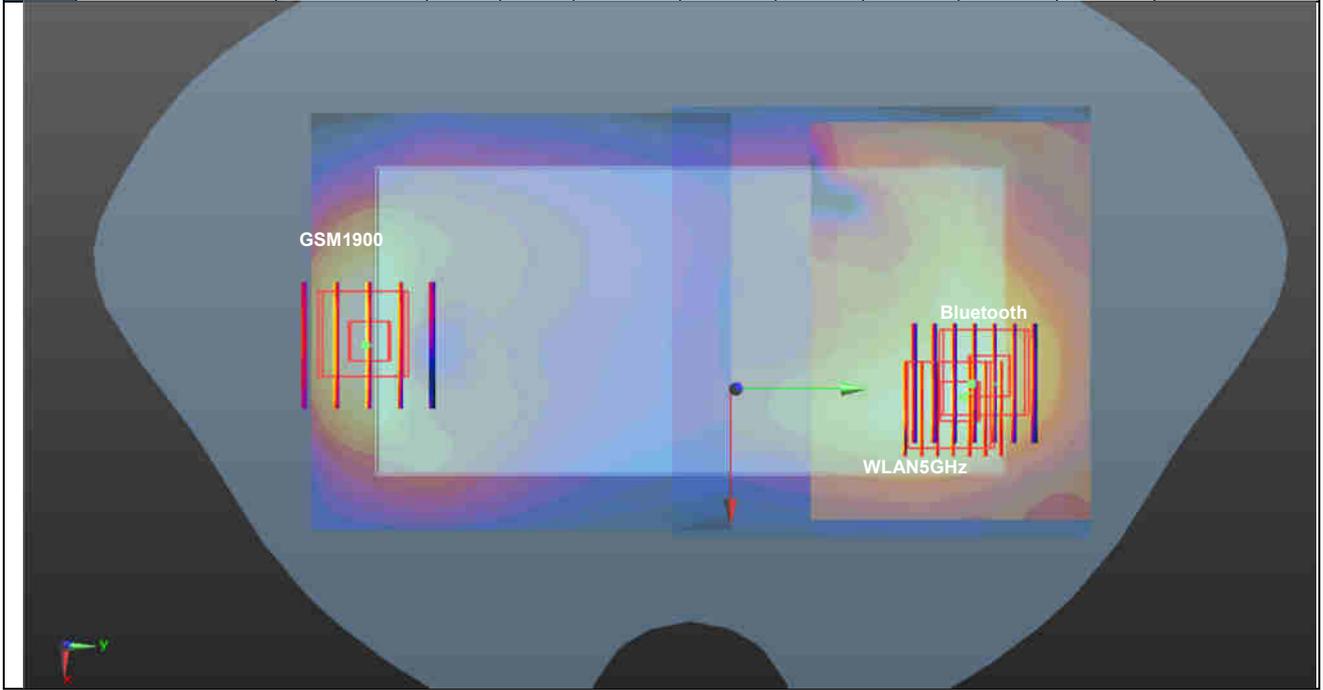
Case #31	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				
Case #31	GSM850	Back	1.269	5	2.8	-79.9	-1.05	149.1	2.50	0.03	Not required
	Bluetooth		0.114	5	13.6	75	-1.22				
	WLAN5GHz		1.115	5	19.6	68.2	-1.34				
	GSM850	Back	1.269	5	2.8	-79.9	-1.05	155.3	2.50	0.03	Not required
	WLAN5GHz		1.115	5	19.6	68.2	-1.34				
	Bluetooth		0.114	5	13.6	75	-1.22				



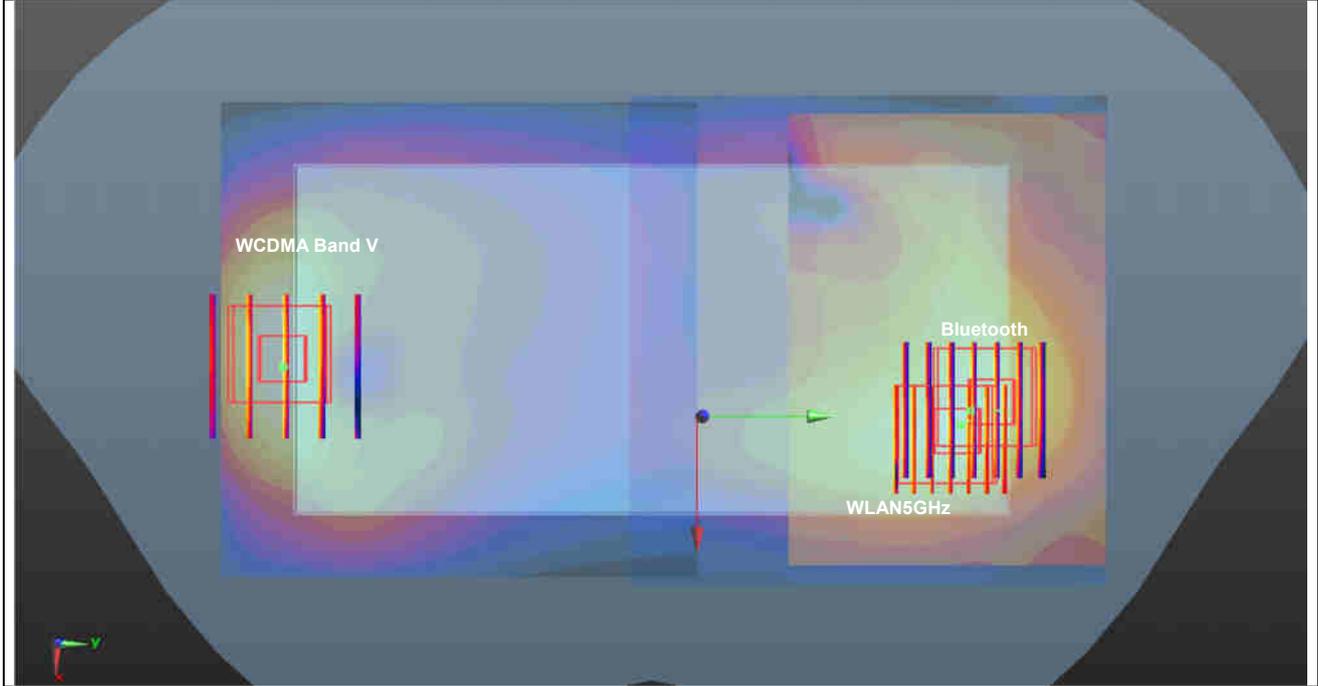
Case #32	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				
	GSM1900	Back	1.417	5	4.4	-79.9	-1.03	155.4	2.31	0.02	Not required
	WLAN2.4GHz		0.897	5	16.6	75	-1.12				



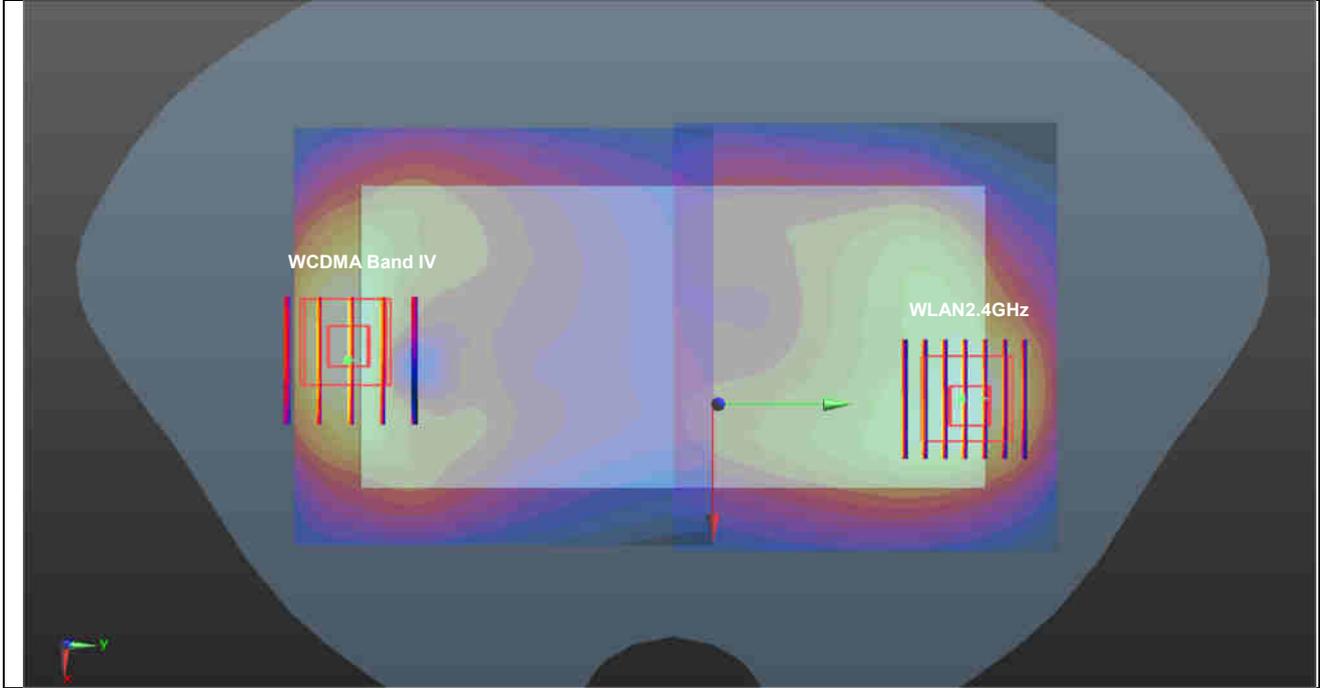
Case #33	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				
Case #33	GSM1900	Back	1.417	5	4.4	-79.9	-1.03	148.9	2.65	0.03	Not required
	Bluetooth		0.114	5	13.6	75	-1.22				
	WLAN5GHz		1.115	5	19.6	68.2	-1.34				
	GSM1900	Back	1.417	5	4.4	-79.9	-1.03	155.2	2.65	0.03	Not required
	WLAN5GHz		1.115	5	19.6	68.2	-1.34				
	Bluetooth		0.114	5	13.6	75	-1.22				



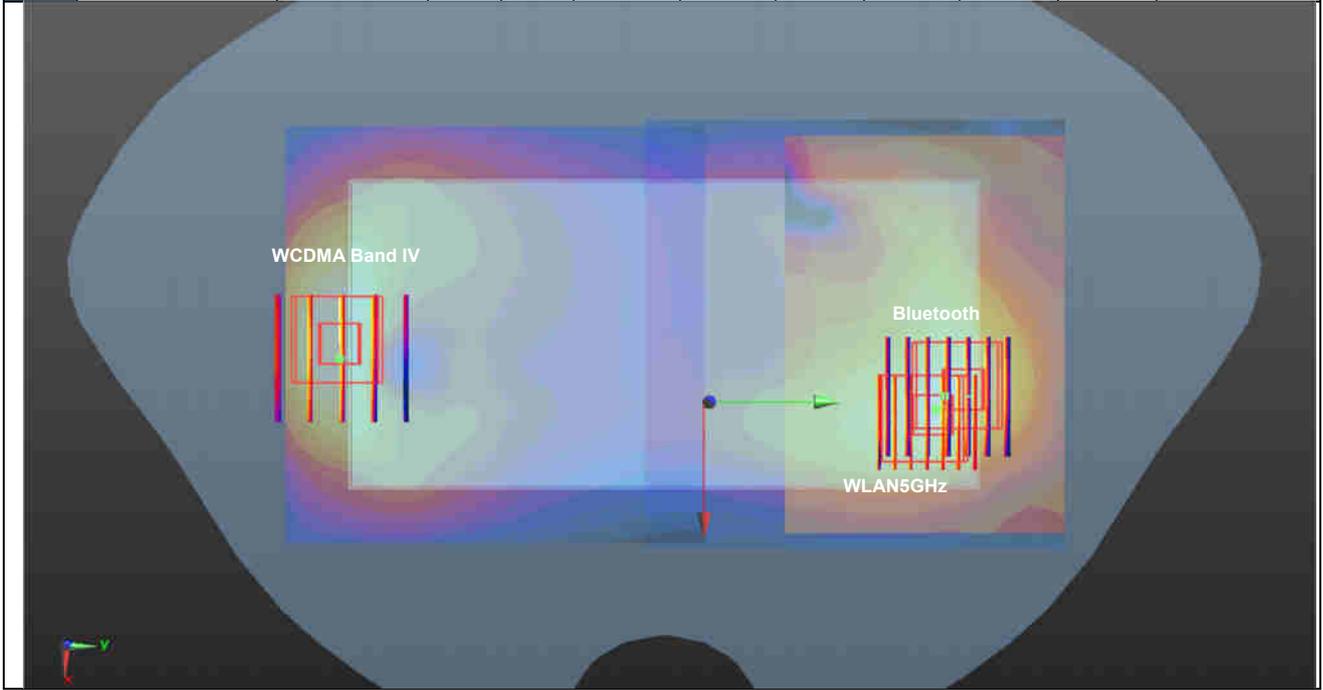
Case #34	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				
Case #34	WCDMA V	Back	1.156	5	4.4	-79.9	-1.02	148.9	2.39	0.02	Not required
	Bluetooth		0.114	5	13.6	75	-1.22				
	WLAN5GHz		1.115	5	19.6	68.2	-1.34				
	WCDMA V	Back	1.156	5	4.4	-79.9	-1.02	155.2	2.39	0.02	Not required
	WLAN5GHz		1.115	5	19.6	68.2	-1.34				
	Bluetooth		0.114	5	13.6	75	-1.22				



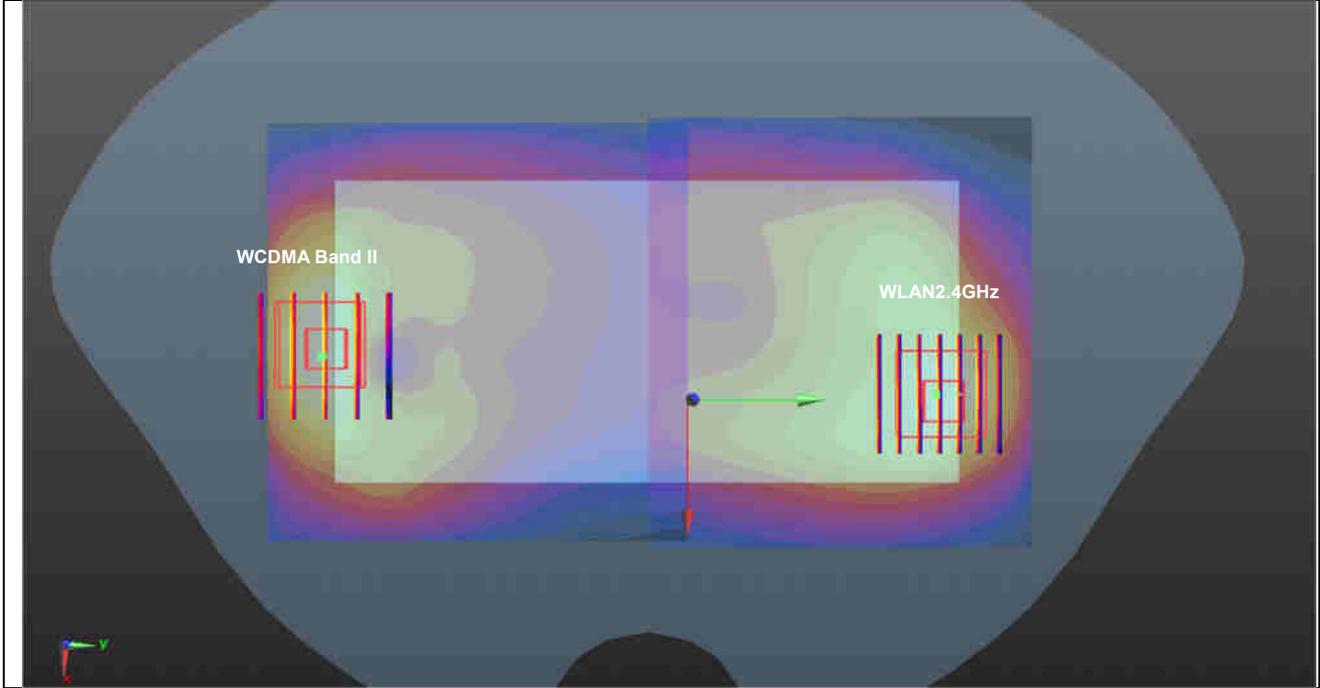
Case #35	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				
	WCDMA Band IV	Back	1.358	5	2.8	-79.9	-1.05	155.5	2.26	0.02	Not required
	WLAN2.4GHz		0.897	5	16.6	75	-1.12				



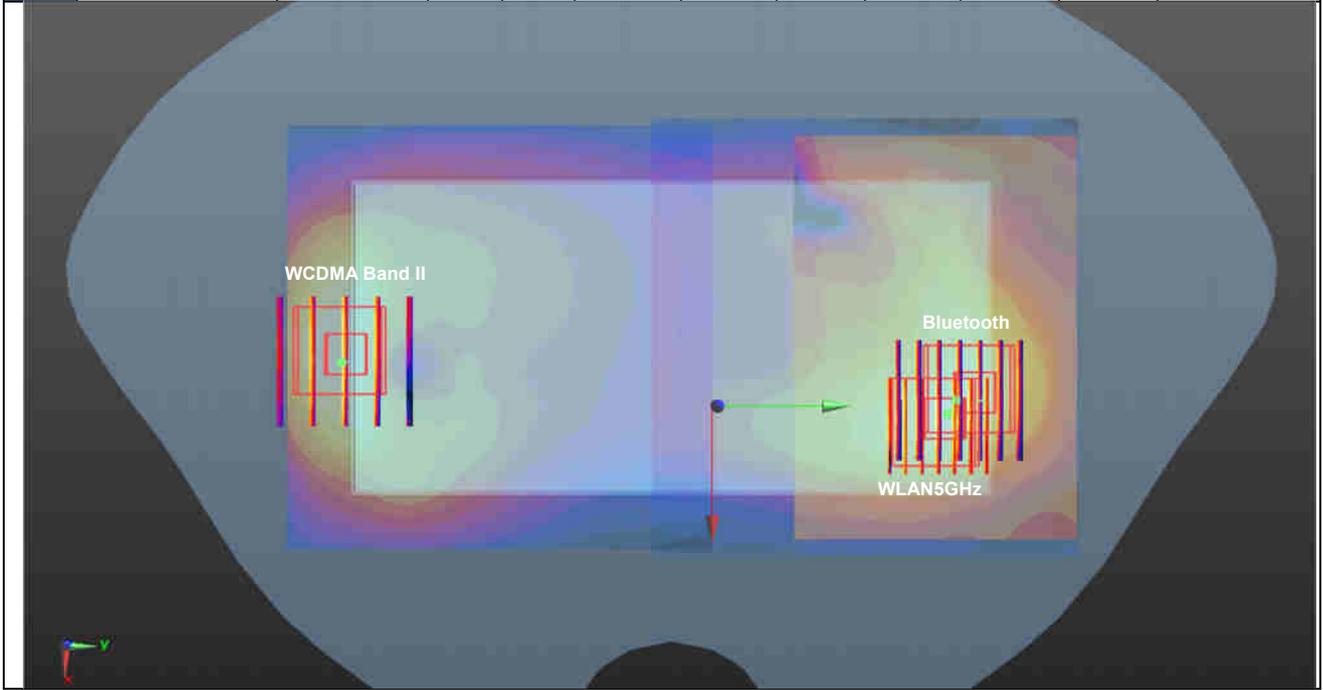
Case #36	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				
Case #36	WCDMA IV	Back	1.358	5	2.8	-79.9	-1.05	149.1	2.59	0.03	Not required
	Bluetooth		0.114	5	13.6	75	-1.22				
	WLAN5GHz		1.115	5	19.6	68.2	-1.34				
	WCDMA IV	Back	1.358	5	2.8	-79.9	-1.05	155.3	2.59	0.03	Not required
	WLAN5GHz		1.115	5	19.6	68.2	-1.34				
	Bluetooth		0.114	5	13.6	75	-1.22				



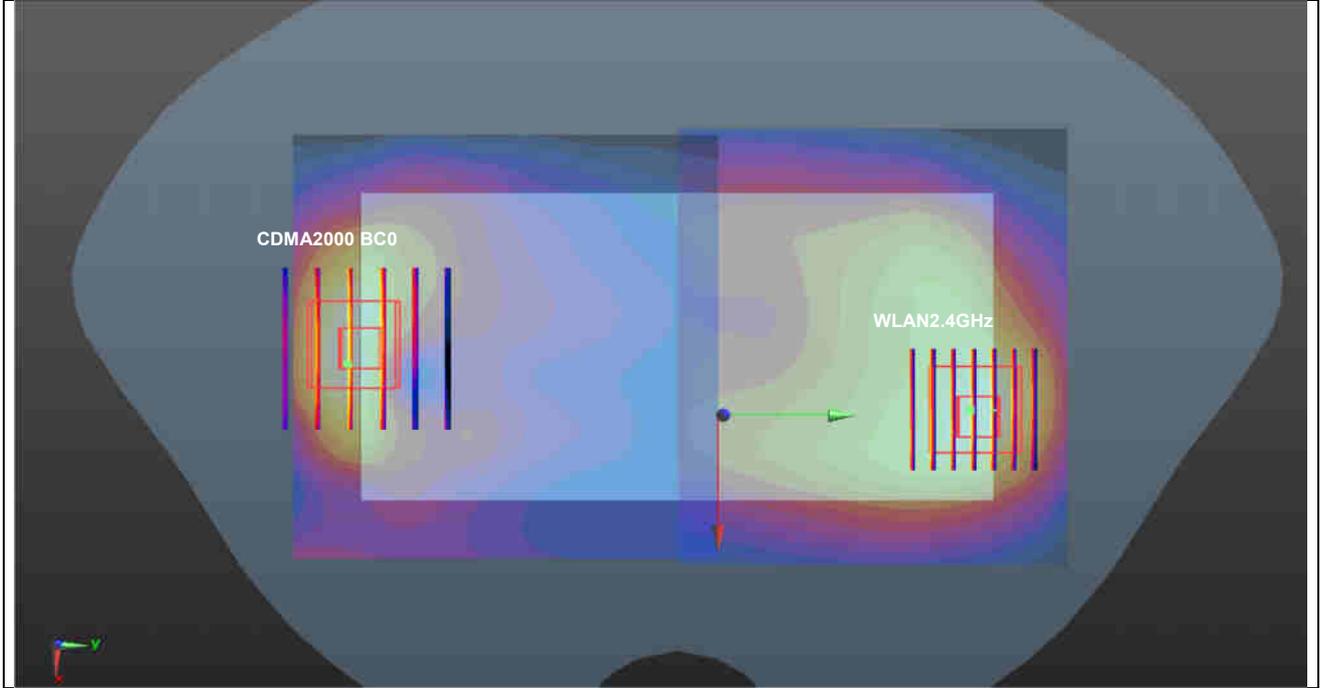
Case #37	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				
	WCDMA Band II	Back	1.314	5	6	-79.9	-1.02	155.3	2.21	0.02	Not required
	WLAN2.4GHz		0.897	5	16.6	75	-1.12				



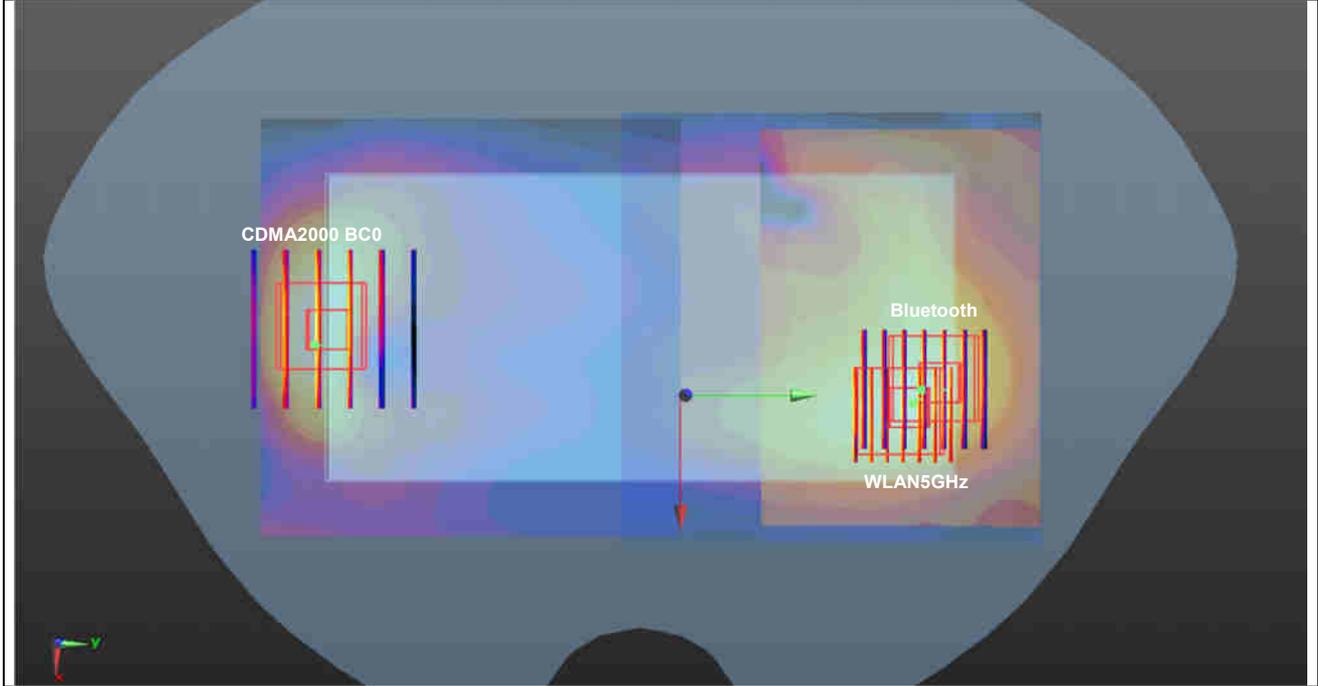
Case #38	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				
Case #38	WCDMA II	Back	1.314	5	6	-79.9	-1.02	148.7	2.54	0.03	Not required
	Bluetooth		0.114	5	13.6	75	-1.22				
	WLAN5GHz		1.115	5	19.6	68.2	-1.34				
	WCDMA II	Back	1.314	5	6	-79.9	-1.02	155.1	2.54	0.03	Not required
	WLAN5GHz		1.115	5	19.6	68.2	-1.34				
	Bluetooth		0.114	5	13.6	75	-1.22				



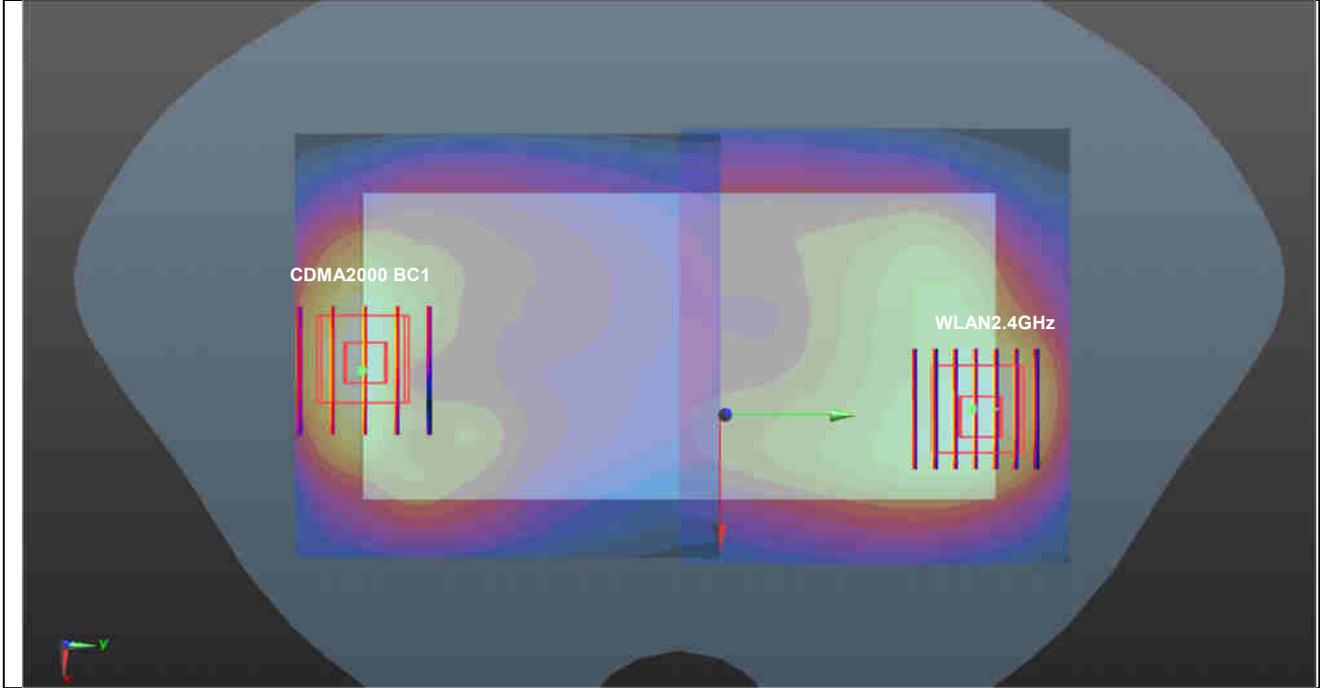
Case #39	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				
	CDMA2000 BC0	Back	1.330	5	1.3	-78.3	-1.28	154.1	2.23	0.02	Not required
	WLAN2.4GHz		0.897	5	16.6	75	-1.12				



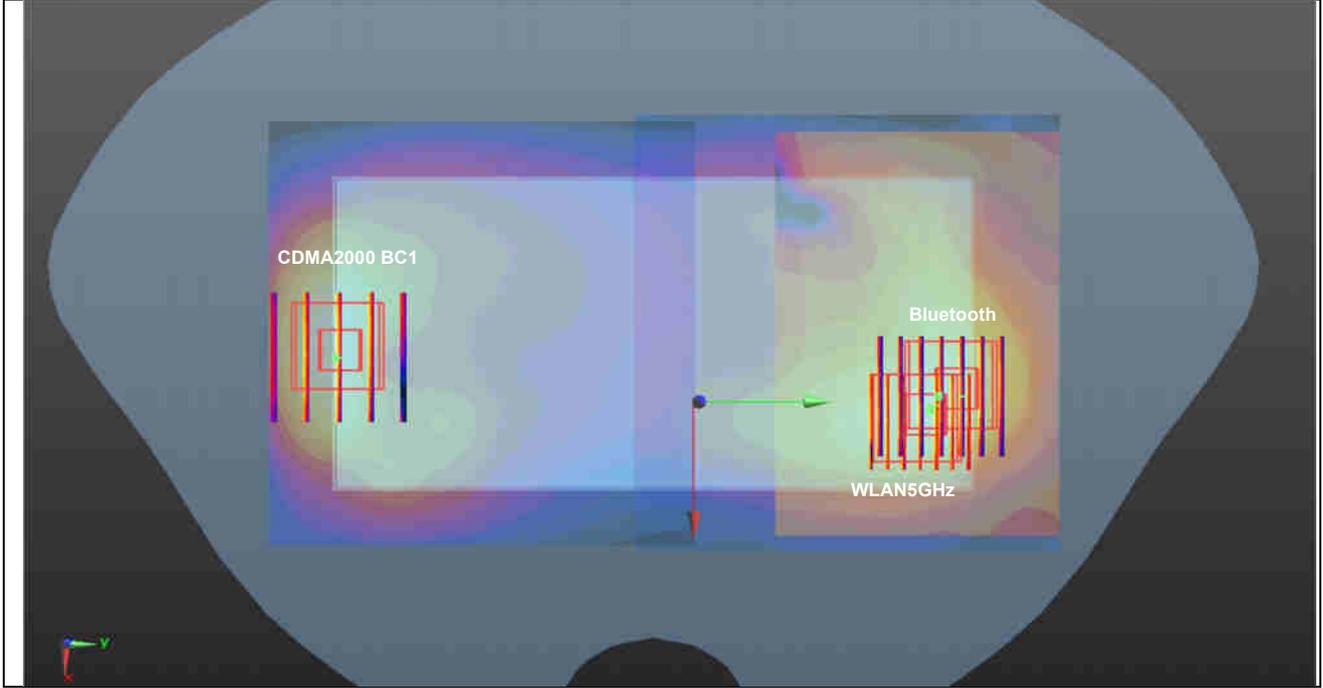
Case #40	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				
Case #40	CDMA2000 BC0	Back	1.330	5	1.3	-78.3	-1.28	147.6	2.56	0.03	Not required
	Bluetooth		0.114	5	13.6	75	-1.22				
	WLAN5GHz		1.115	5	19.6	68.2	-1.34				
	CDMA2000 BC0	Back	1.330	5	1.3	-78.3	-1.28	153.8	2.56	0.03	Not required
	WLAN5GHz		1.115	5	19.6	68.2	-1.34				
	Bluetooth		0.114	5	13.6	75	-1.22				



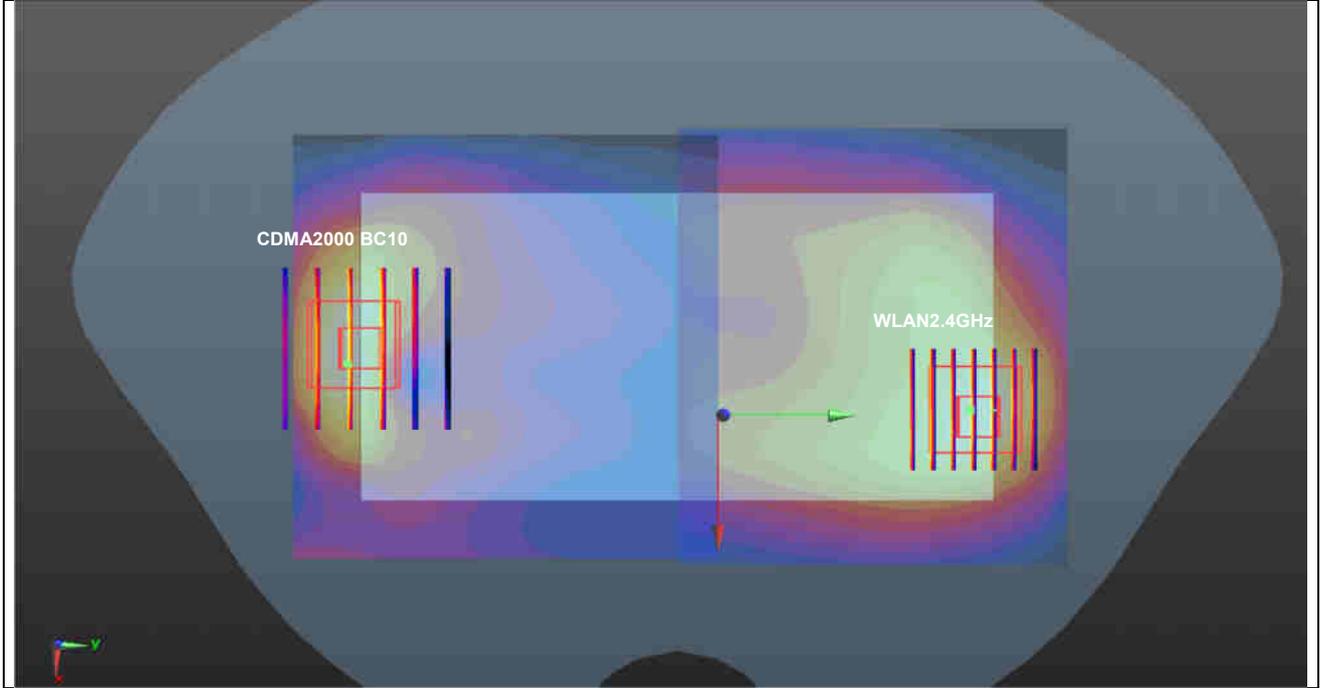
Case #41	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				
	CDMA2000 BC1	Back	1.319	5	4.4	-76.9	-1.11	152.4	2.22	0.02	Not required
	WLAN2.4GHz		0.897	5	16.6	75	-1.12				



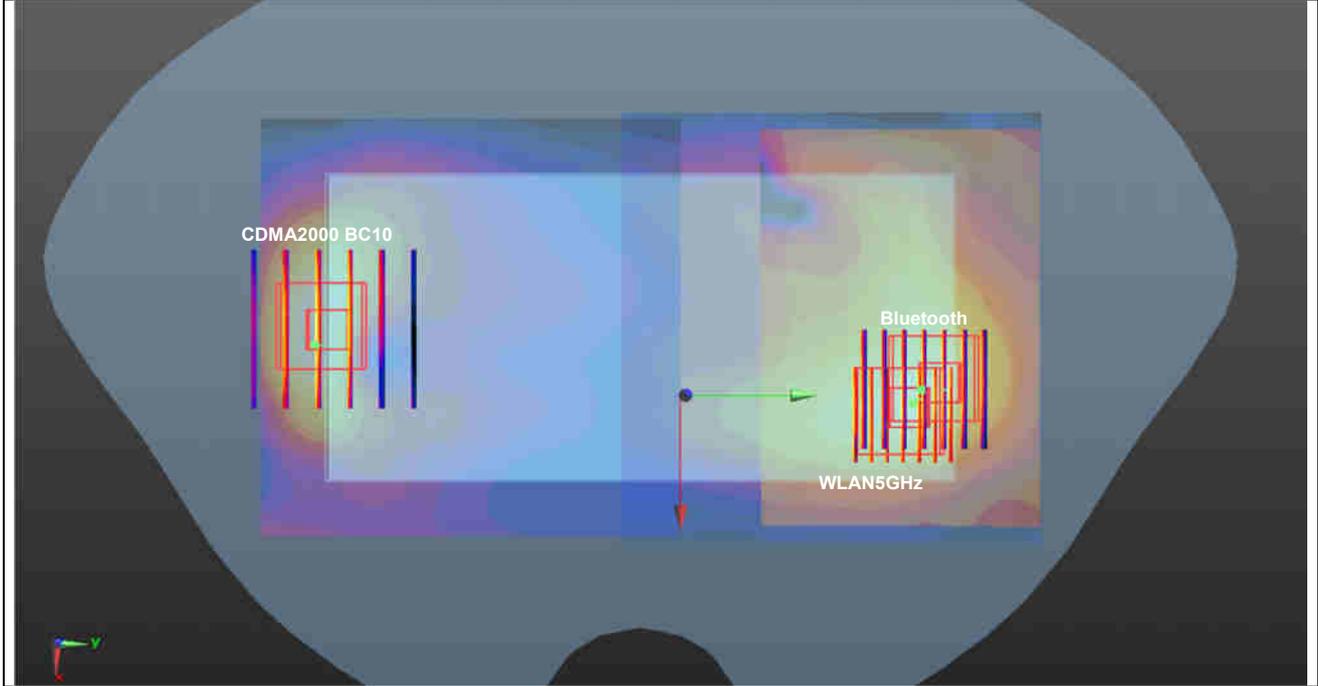
Case #42	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				
Case #42	CDMA2000 BC1	Back	1.319	5	4.4	-76.9	-1.11	145.9	2.55	0.03	Not required
	Bluetooth		0.114	5	13.6	75	-1.22				
	WLAN5GHz		1.115	5	19.6	68.2	-1.34				
	CDMA2000 BC1	Back	1.319	5	4.4	-76.9	-1.11	152.2	2.55	0.03	Not required
	WLAN5GHz		1.115	5	19.6	68.2	-1.34				
	Bluetooth		0.114	5	13.6	75	-1.22				



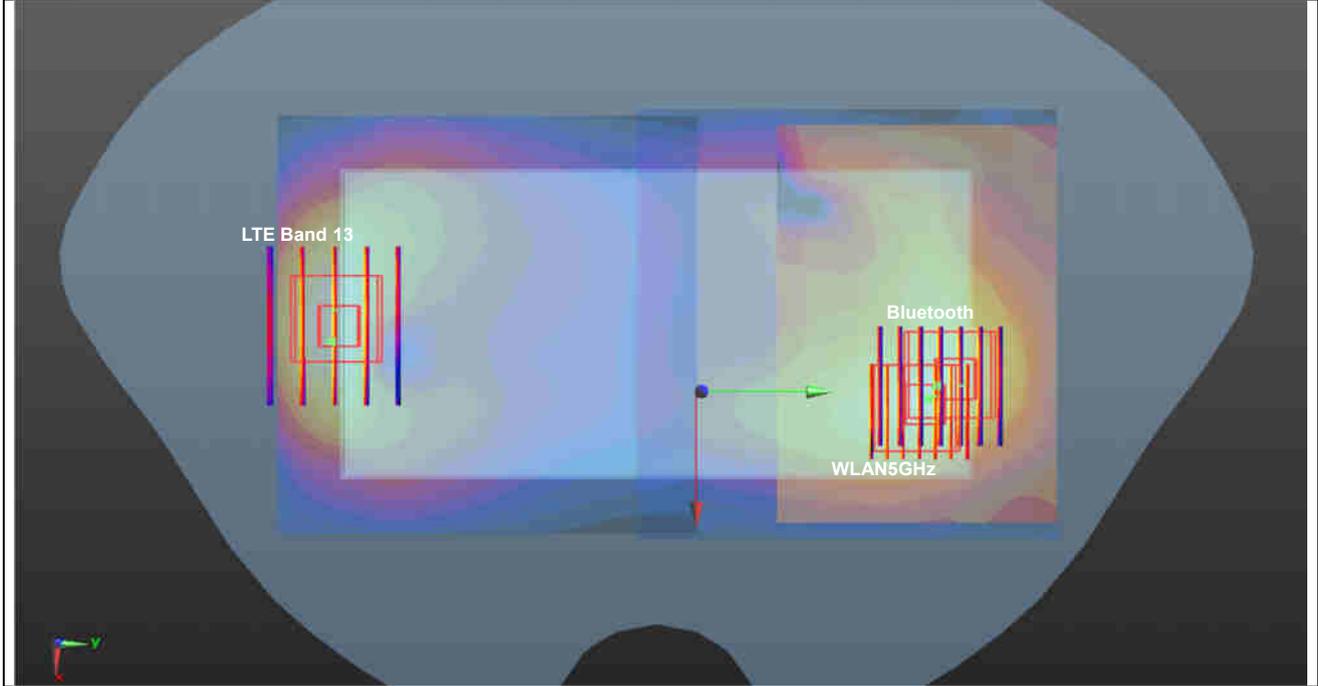
Case #43	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				
	CDMA2000 BC10	Back	1.168	5	1.3	-78.1	-1.29	153.9	2.07	0.02	Not required
	WLAN2.4GHz		0.897	5	16.6	75	-1.12				



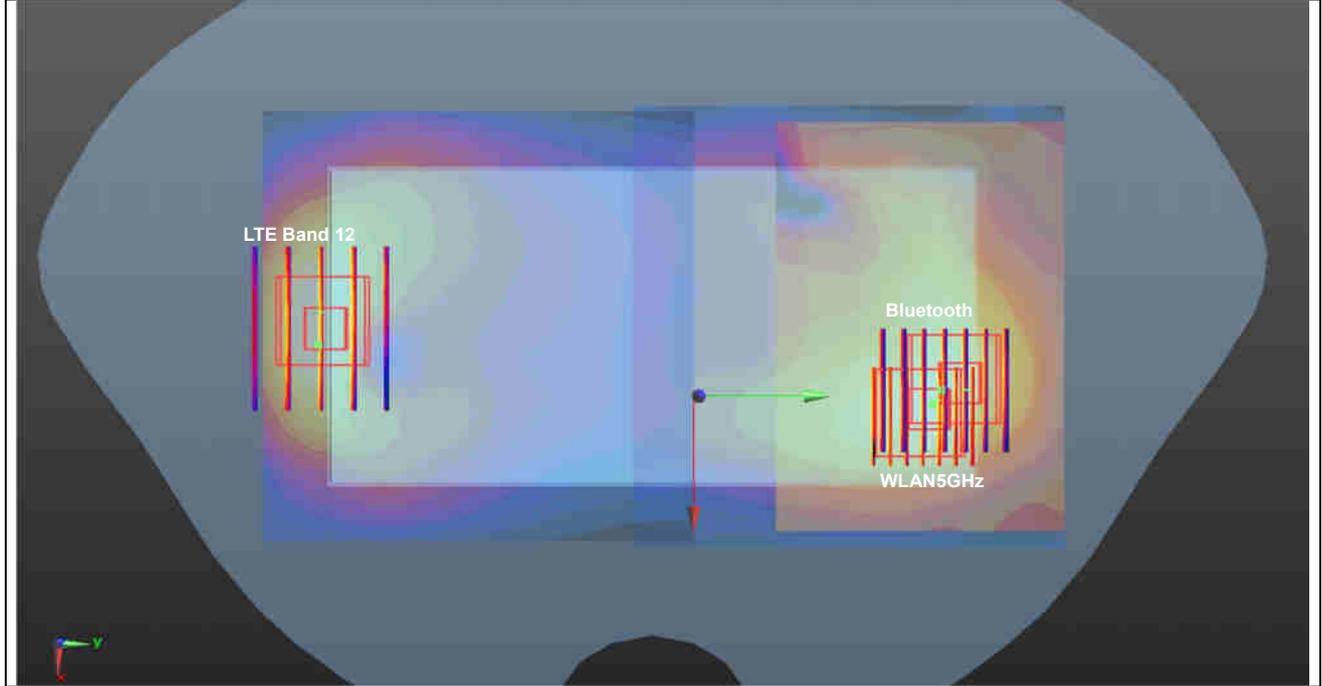
Case #44	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				
Case #44	CDMA2000 BC10	Back	1.168	5	1.3	-78.1	-1.29	147.4	2.40	0.03	Not required
	Bluetooth		0.114	5	13.6	75	-1.22				
	WLAN5GHz		1.115	5	19.6	68.2	-1.34				
	CDMA2000 BC10	Back	1.168	5	1.3	-78.1	-1.29	153.6	2.40	0.02	Not required
	WLAN5GHz		1.115	5	19.6	68.2	-1.34				
	Bluetooth		0.114	5	13.6	75	-1.22				



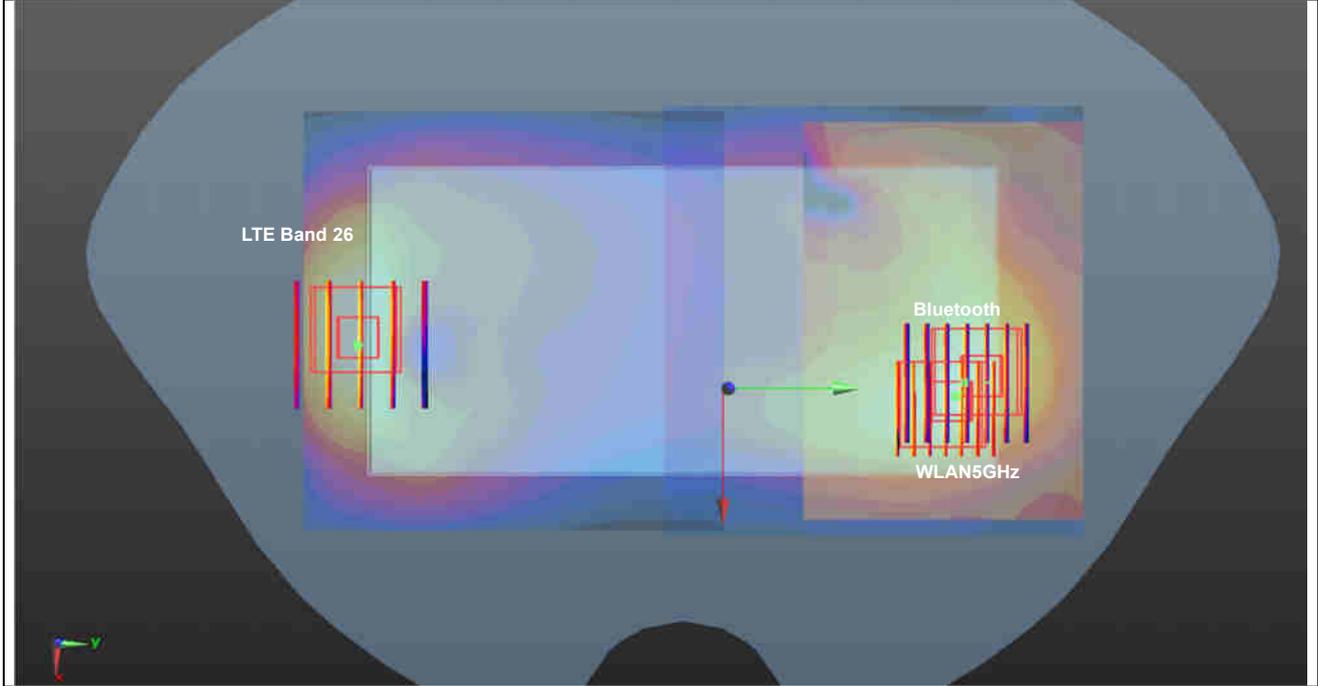
Case #45	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				
Case #45	LTE Band 13	Back	0.965	5	1.3	-78.3	-1.09	147.6	2.19	0.02	Not required
	Bluetooth		0.114	5	13.6	75	-1.22				
	WLAN5GHz		1.115	5	19.6	68.2	-1.34				
	LTE Band 13	Back	0.965	5	1.3	-78.3	-1.09	153.8	2.19	0.02	Not required
	WLAN5GHz		1.115	5	19.6	68.2	-1.34				
	Bluetooth		0.114	5	13.6	75	-1.22				



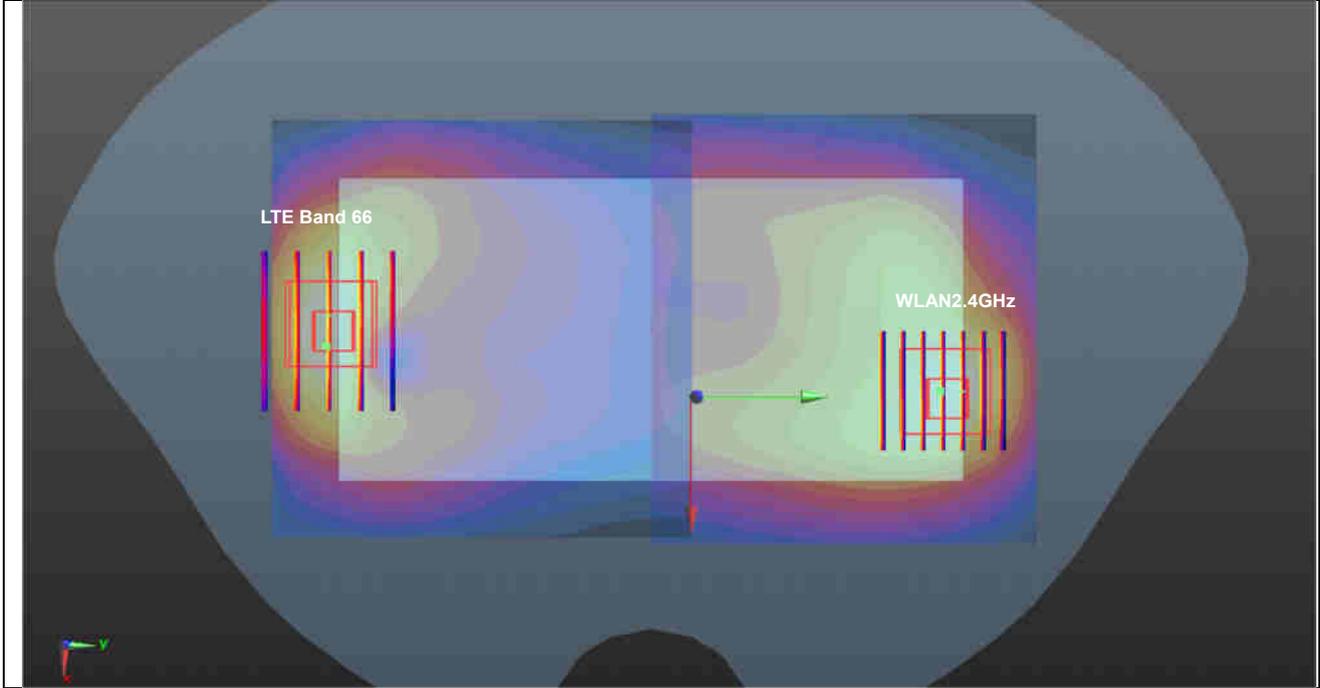
Case #46	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				
Case #46	LTE Band 12	Back	0.845	5	2.8	-76.8	-1.23	146.0	2.07	0.02	Not required
	Bluetooth		0.114	5	13.6	75	-1.22				
	WLAN5GHz		1.115	5	19.6	68.2	-1.34				
	LTE Band 12	Back	0.845	5	2.8	-76.8	-1.23	152.2	2.07	0.02	Not required
	WLAN5GHz		1.115	5	19.6	68.2	-1.34				
	Bluetooth		0.114	5	13.6	75	-1.22				



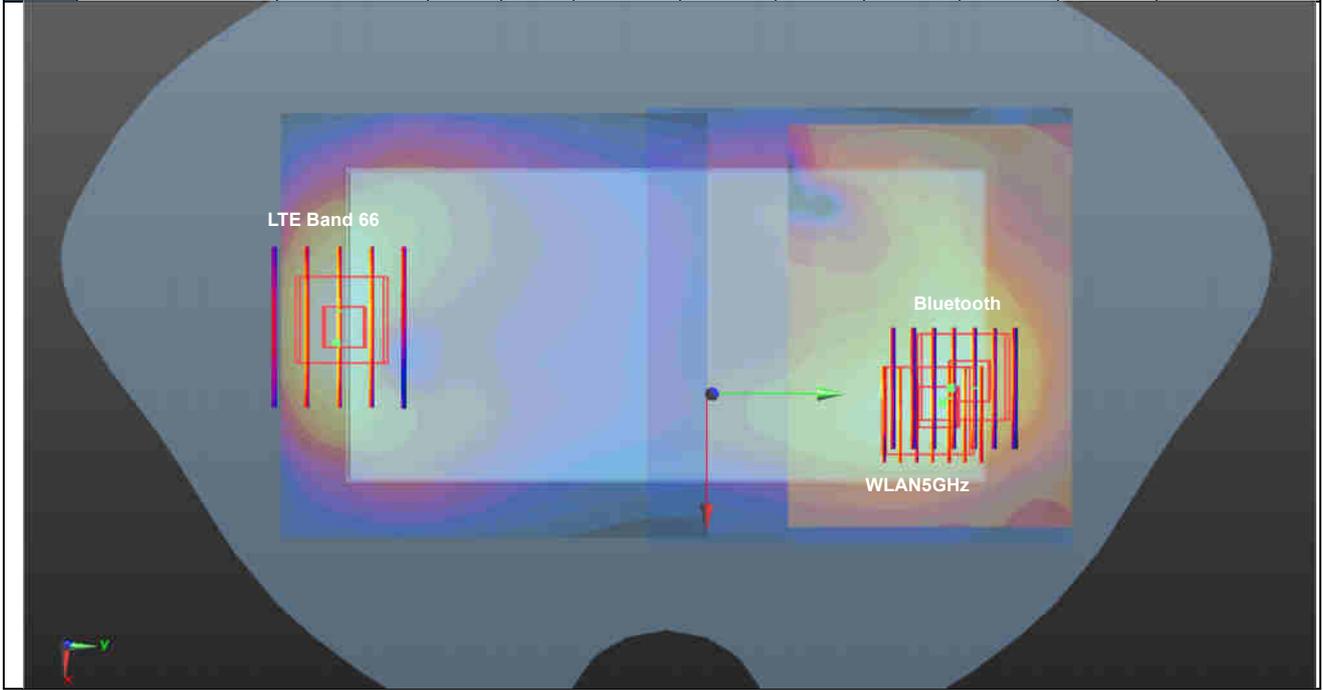
Case #47	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				
Case #47	LTE Band 26	Back	1.169	5	4.4	-79.9	-1	148.9	2.40	0.02	Not required
	Bluetooth		0.114	5	13.6	75	-1.22				
	WLAN5GHz		1.115	5	19.6	68.2	-1.34				
	LTE Band 26	Back	1.169	5	4.4	-79.9	-1	155.2	2.40	0.02	Not required
	WLAN5GHz		1.115	5	19.6	68.2	-1.34				
	Bluetooth		0.114	5	13.6	75	-1.22				



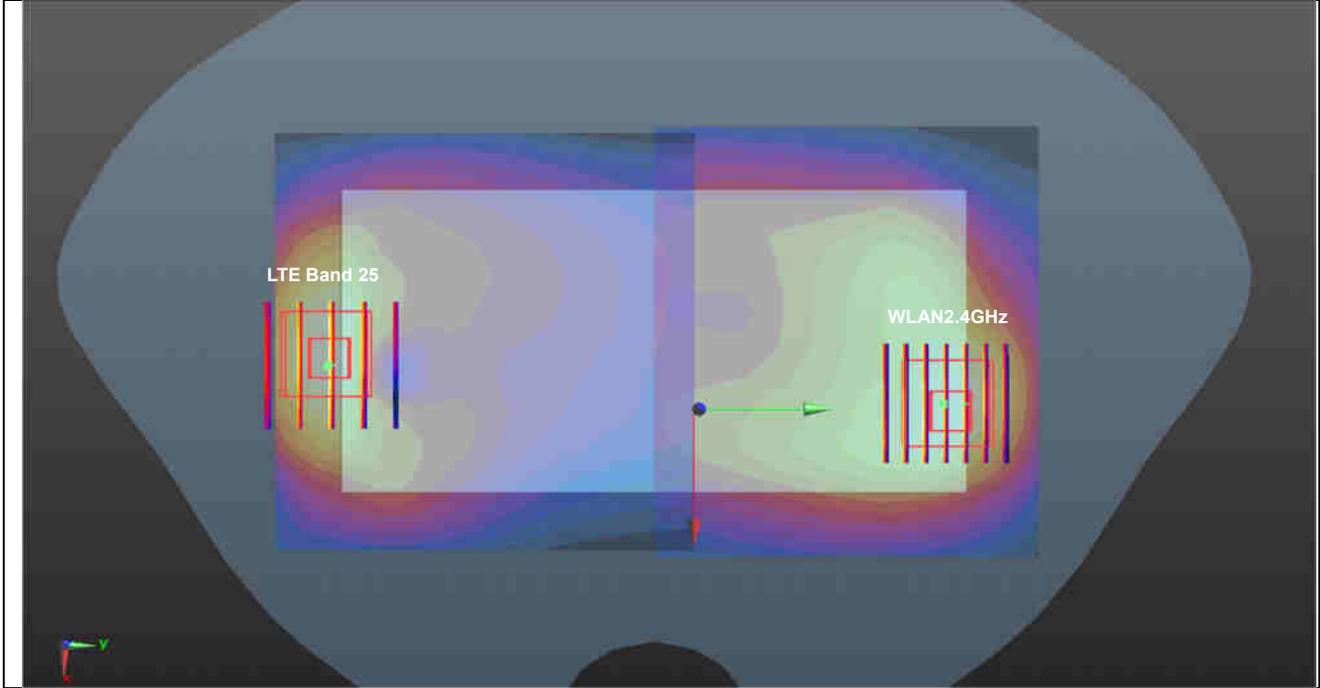
Case #48	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				
	LTE Band 66	Back	1.396	5	1.3	-78.3	-1.09	154.1	2.29	0.02	Not required
	WLAN2.4GHz		0.897	5	16.6	75	-1.12				



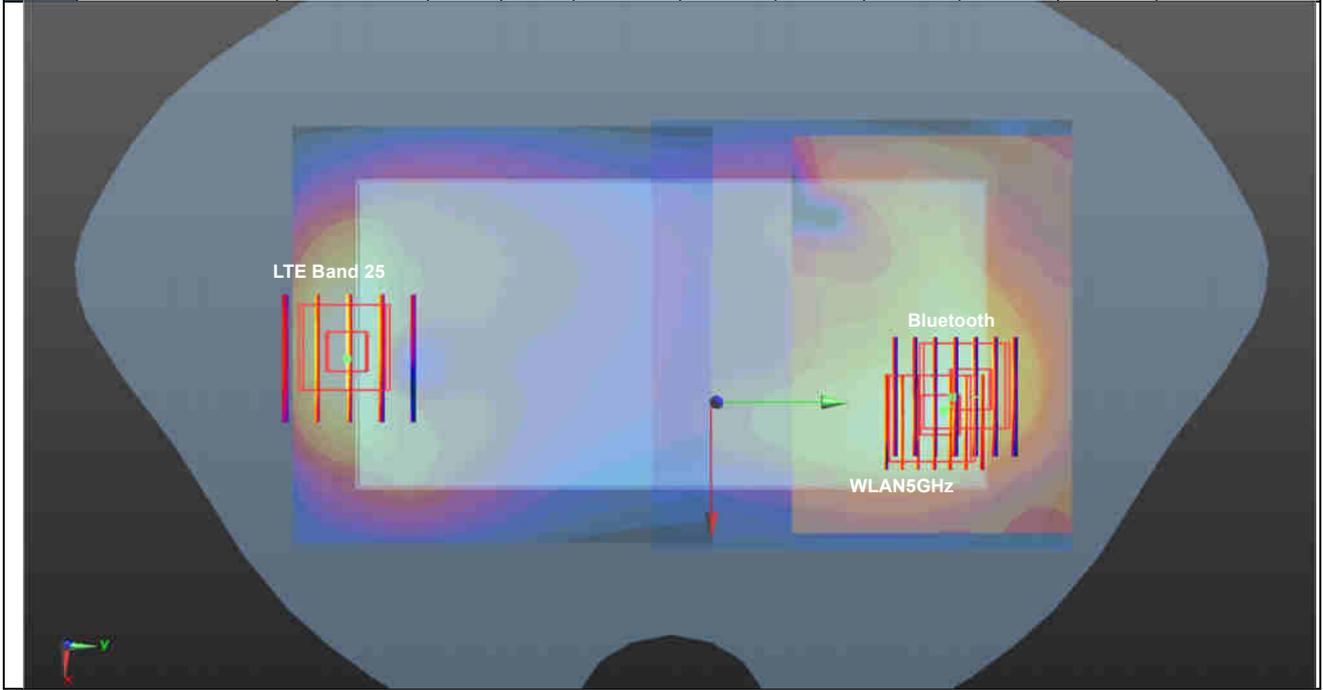
Case #49	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				
Case #49	LTE Band 66	Back	1.396	5	1.3	-78.3	-1.09	147.6	2.63	0.03	Not required
	Bluetooth		0.114	5	13.6	75	-1.22				
	WLAN5GHz		1.115	5	19.6	68.2	-1.34				
	LTE Band 66	Back	1.396	5	1.3	-78.3	-1.09	153.8	2.63	0.03	Not required
	WLAN5GHz		1.115	5	19.6	68.2	-1.34				
	Bluetooth		0.114	5	13.6	75	-1.22				



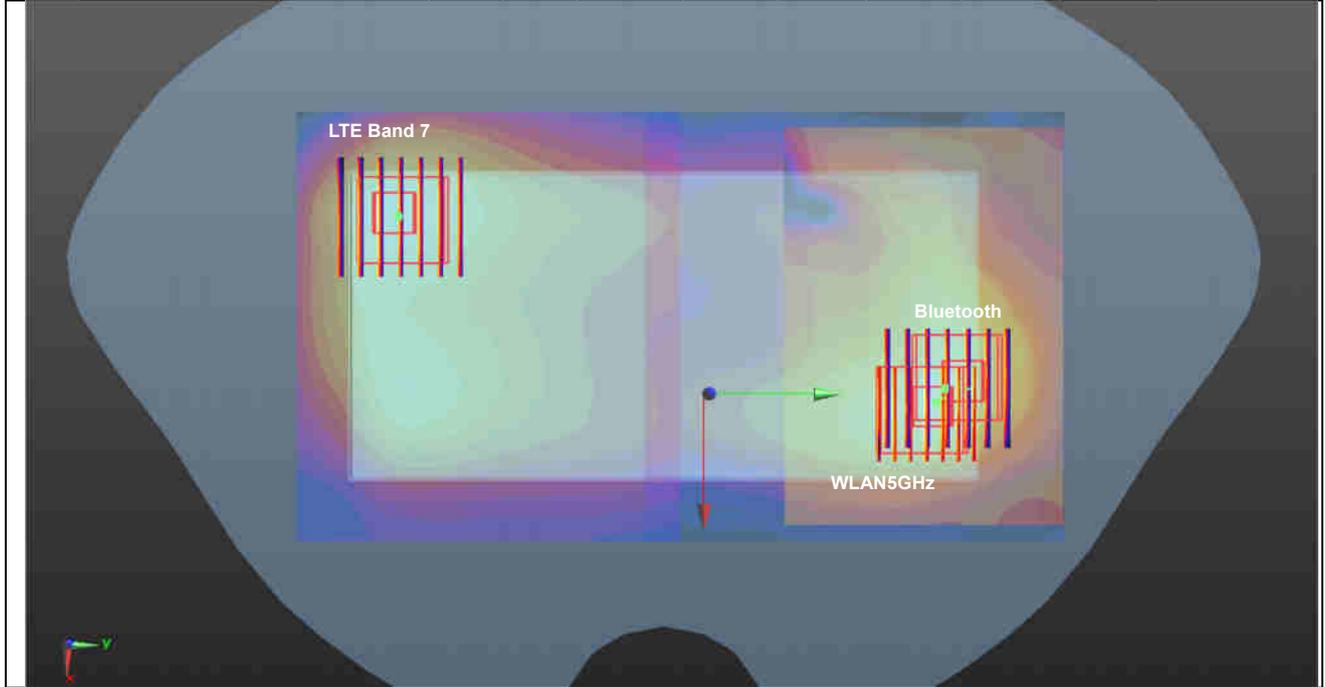
Case #50	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				
	LTE Band 25	Back	1.351	5	4.4	-81.5	-1.02	157.0	2.25	0.02	Not required
	WLAN2.4GHz		0.897	5	16.6	75	-1.12				



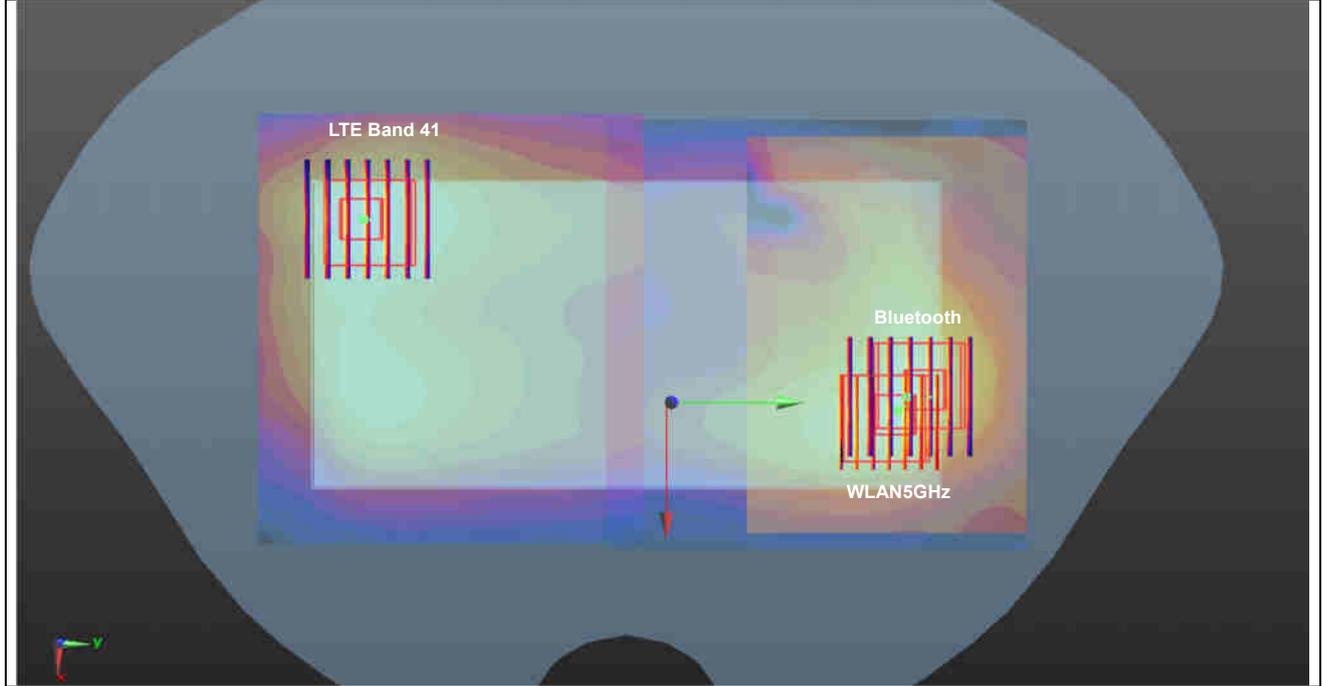
Case #51	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				
	LTE Band 25	Back	1.351	5	4.4	-81.5	-1.02	150.5	2.58	0.03	Not required
	Bluetooth		0.114	5	13.6	75	-1.22				
	WLAN5GHz		1.115	5	19.6	68.2	-1.34				
	LTE Band 25	Back	1.351	5	4.4	-81.5	-1.02	156.8	2.58	0.03	Not required
	WLAN5GHz		1.115	5	19.6	68.2	-1.34				
	Bluetooth		0.114	5	13.6	75	-1.22				



Case #52	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				
	LTE Band 7	Back	1.331	5	-29.6	-68.8	-0.95	145.6	2.56	0.03	Not required
	Bluetooth		0.114	5	13.6	75	-1.22				
	WLAN5GHz		1.115	5	19.6	68.2	-1.34				
	LTE Band 7	Back	1.331	5	-29.6	-68.8	-0.95	150.1	2.56	0.03	Not required
	WLAN5GHz		1.115	5	19.6	68.2	-1.34				
	Bluetooth		0.114	5	13.6	75	-1.22				



Case #53	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				
Case #53	LTE Band 41	Back	1.394	5	-30.1	-68.6	-1.23	145.5	2.62	0.03	Not required
	Bluetooth		0.114	5	13.6	75	-1.22				
	WLAN5GHz		1.115	5	19.6	68.2	-1.34				
	LTE Band 41	Back	1.394	5	-30.1	-68.6	-1.23	150.1	2.62	0.03	Not required
	WLAN5GHz		1.115	5	19.6	68.2	-1.34				
	Bluetooth		0.114	5	13.6	75	-1.22				





## **17. Supplemental Tuner Tests Results**

### **General Note:**

1. The following test procedure was followed to demonstrate that the SAR results in this report represent the appropriate SAR test conditions. For bands with dynamic tuning implemented, SAR will be measured according to the required FCC SAR test procedures with the dynamic tuner active to allow the device to automatically tune to the antenna state for the respective RF exposure test configurations. Additional single point SAR time-sweep measurements will be evaluated for other tuner states to determine that the other tuner configurations would result in equivalent or lower SAR values. The additional tuner hardware has no influence to the antenna characteristics, other than impedance matching.
2. To evaluate all of the tuner states, the 96 tuner states are divided evenly among band, mode and exposure combinations so that at least one single point SAR measurement is measured in each configuration. Single point time-sweep measurements will be performed at the peak SAR location determined by the zoom scan of the configuration with the highest reported SAR for each combination. The tuner state will be established remotely so that the device is not moved for the entire series of single point SAR for the tuner states in each combination. The SAR probe will remain stationary at the same position throughout the entire series of single point measurements for each combination. The bands which are dynamically tuned are split into two separate antennas, so each antenna system will have its own test plan to cover the corresponding 96 tuner states.
3. The operational decryption contains more information about the design and implementation of the dynamic antenna tuning.

### **17.1 Supplemental Tuner Head & Body SAR Results**

Please refer to Appendix C.

**Test Engineer:** Nick Hu



## **18. Uncertainty Assessment**

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

## 19. References

- [1] FCC 47 CFR Part 2 “Frequency Allocations and Radio Treaty Matters; General Rules and Regulations”
- [2] ANSI/IEEE Std. C95.1-1992, “IEEE Standard for Safety Levels with Respect to Human Exposure to Radio Frequency Electromagnetic Fields, 3 kHz to 300 GHz”, September 1992
- [3] IEEE Std. 1528-2013, “IEEE Recommended Practice for Determining the Peak Spatial-Average Specific Absorption Rate (SAR) in the Human Head from Wireless Communications Devices: Measurement Techniques”, Sep 2013
- [4] SPEAG DASYS System Handbook
- [5] FCC KDB 865664 D01 v01r04, "SAR Measurement Requirements for 100 MHz to 6 GHz", Aug 2015.
- [6] FCC KDB 865664 D02 v01r02, “RF Exposure Compliance Reporting and Documentation Considerations” Oct 2015.
- [7] FCC KDB 447498 D01 v06, “Mobile and Portable Device RF Exposure Procedures and Equipment Authorization Policies”, Oct 2015
- [8] FCC KDB 648474 D04 v01r03, “SAR Evaluation Considerations for Wireless Handsets”, Oct 2015.
- [9] FCC KDB 248227 D01 v02r02, “SAR Guidance for IEEE 802.11 (WiFi) Transmitters”, Oct 2015.
- [10] FCC KDB 616217 D04 v01r02, “SAR Evaluation Considerations for Laptop, Notebook, Netbook and Tablet Computers”, Oct 2015
- [11] FCC KDB 941225 D01 v03r01, “3G SAR MEASUREMENT PROCEDURES”, Oct 2015
- [12] FCC KDB 941225 D05 v02r05, “SAR Evaluation Considerations for LTE Devices”, Dec 2015
- [13] FCC KDB 941225 D06 v02r01, "SAR Evaluation Procedures for Portable Devices with Wireless Router Capabilities", Oct 2015.



**Appendix A. Plots of System Performance Check**

The plots are shown as follows.



**Appendix B. Plots of High SAR Measurement**

The plots are shown as follows.



**Appendix C. Supplemental Tuner Head & Body SAR Results**

The results are shown as follows.



**Appendix D. DASYS Calibration Certificate**

The DASYS calibration certificates are shown as follows.