



WWAN Band	Exposure Position	1	2	3	4	5	6	1+2	1+3+4	1+3+5	1+4+6	1+5+6	Case No
		WWAN 1g SAR (W/kg)	WLAN2.4GHz Ant 4+6 1g SAR (W/kg)	WLAN5GHz Ant 2+6 1g SAR (W/kg)	Bluetooth Ant 4 1g SAR (W/kg)	Bluetooth Ant 6 1g SAR (W/kg)	WLAN6GHz Ant 2+6 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Summed 1g SAR (W/kg)	
FR1 n2 Ant 0	Front	0.775	0.398	0.351	0.057	0.077	0.077	1.17	1.18	1.20	0.91	0.93	
	Back	1.226	0.398	0.351	0.159	0.105	0.155	1.62	1.74	1.68	1.54	1.49	33&34&35
FR1 n2 Ant 1	Front	0.980	0.398	0.351	0.057	0.077	0.077	1.38	1.39	1.41	1.11	1.13	
	Back	0.980	0.398	0.351	0.159	0.105	0.155	1.38	1.49	1.44	1.29	1.24	
FR1 n5 Ant 0	Front	0.552	0.398	0.351	0.057	0.077	0.077	0.95	0.96	0.98	0.69	0.71	
	Back	0.944	0.398	0.351	0.159	0.105	0.155	1.34	1.45	1.40	1.26	1.20	
FR1 n5 Ant 1	Front	0.454	0.398	0.351	0.057	0.077	0.077	0.85	0.86	0.88	0.59	0.61	
	Back	0.876	0.398	0.351	0.159	0.105	0.155	1.27	1.39	1.33	1.19	1.14	
FR1 n7 Ant 0	Front	1.179	0.204	0.285	0.057	0.077	0.077	1.38	1.52	1.54	1.31	1.33	
	Back	1.077	0.398	0.351	0.159	0.105	0.155	1.48	1.59	1.53	1.39	1.34	
FR1 n7 Ant 1	Front	0.788	0.398	0.351	0.057	0.077	0.077	1.19	1.20	1.22	0.92	0.94	
	Back	0.788	0.398	0.351	0.159	0.105	0.155	1.19	1.30	1.24	1.10	1.05	
FR1 n66 Ant 0	Front	0.922	0.398	0.351	0.057	0.077	0.077	1.32	1.33	1.35	1.06	1.08	
	Back	1.232	0.398	0.351	0.159	0.105	0.155	1.63	1.74	1.69	1.55	1.49	37&38&39
FR1 n66 Ant 1	Front	0.987	0.398	0.351	0.057	0.077	0.077	1.39	1.40	1.42	1.12	1.14	
	Back	0.987	0.398	0.351	0.159	0.105	0.155	1.39	1.50	1.44	1.30	1.25	
FR1 n41 HPUE Ant 0	Front	1.226	0.204	0.285	0.057	0.077	0.077	1.43	1.57	1.59	1.36	1.38	
	Back	1.062	0.398	0.351	0.159	0.105	0.155	1.46	1.57	1.52	1.38	1.32	
FR1 n41 HPUE Ant 1	Front	0.678	0.398	0.351	0.057	0.077	0.077	1.08	1.09	1.11	0.81	0.83	
	Back	0.678	0.398	0.351	0.159	0.105	0.155	1.08	1.19	1.13	0.99	0.94	
FR1 n41 HPUE Ant 3	Front	0.519	0.398	0.351	0.057	0.077	0.077	0.92	0.93	0.95	0.65	0.67	
	Back	0.919	0.398	0.351	0.159	0.105	0.155	1.32	1.43	1.38	1.23	1.18	
FR1 n41 HPUE Ant 4	Front	0.943	0.398	0.351	0.057	0.077	0.077	1.34	1.35	1.37	1.08	1.10	
	Back	0.943	0.398	0.351	0.159	0.105	0.155	1.34	1.45	1.40	1.26	1.20	
FR1 n77 Par270 HPUE Ant 2	Front	0.542	0.398	0.351	0.057	0.077	0.077	0.94	0.95	0.97	0.68	0.70	
	Back	0.542	0.398	0.351	0.159	0.105	0.155	0.94	1.05	1.00	0.86	0.80	
FR1 n77 Par27Q HPUE Ant 2	Front	0.787	0.398	0.351	0.057	0.077	0.077	1.19	1.20	1.22	0.92	0.94	
	Back	0.787	0.398	0.351	0.159	0.105	0.155	1.19	1.30	1.24	1.10	1.05	
FR1 n77 Par270 HPUE Ant 3	Front	1.260	0.204	0.285	0.057	0.077	0.077	1.46	1.60	1.62	1.39	1.41	45&46
	Back	0.977	0.398	0.351	0.159	0.105	0.155	1.38	1.49	1.43	1.29	1.24	
FR1 n77 Par27Q HPUE Ant 3	Front	0.955	0.398	0.351	0.057	0.077	0.077	1.35	1.36	1.38	1.09	1.11	
	Back	0.755	0.398	0.351	0.159	0.105	0.155	1.15	1.27	1.21	1.07	1.02	
FR1 n77 Par270 HPUE Ant 5	Front	0.985	0.398	0.351	0.057	0.077	0.077	1.38	1.39	1.41	1.12	1.14	
	Back	0.985	0.398	0.351	0.159	0.105	0.155	1.38	1.50	1.44	1.30	1.25	
FR1 n77 Par27Q HPUE Ant 5	Front	0.615	0.398	0.351	0.057	0.077	0.077	1.01	1.02	1.04	0.75	0.77	
	Back	0.615	0.398	0.351	0.159	0.105	0.155	1.01	1.13	1.07	0.93	0.88	
FR1 n77 Par270 HPUE Ant 7	Front	0.993	0.398	0.351	0.057	0.077	0.077	1.39	1.40	1.42	1.13	1.15	
	Back	0.993	0.398	0.351	0.159	0.105	0.155	1.39	1.50	1.45	1.31	1.25	
FR1 n77 Par27Q HPUE Ant 7	Front	1.064	0.398	0.351	0.057	0.077	0.077	1.46	1.47	1.49	1.20	1.22	
	Back	1.064	0.398	0.351	0.159	0.105	0.155	1.46	1.57	1.52	1.38	1.32	



WWAN Band	Exposure Position	1	2	3	4	1+2+3	1+2+4	Case No
		WWAN	WLAN2.4GHz Ant 4+6	WLAN5GHz Ant 2+6	WLAN6GHz Ant 2+6	Summed	Summed	
		1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	
GSM850 Ant 0	Front	0.617	0.180	0.181	0.077	0.98	0.87	
	Back	1.276	0.180	0.181	0.155	1.64	1.61	47&67
GSM850 Ant 1	Front	0.600	0.180	0.181	0.077	0.96	0.86	
	Back	0.953	0.180	0.181	0.155	1.31	1.29	
GSM1900 Ant 0	Front	0.907	0.180	0.181	0.077	1.27	1.16	
	Back	1.281	0.180	0.181	0.155	1.64	1.62	48&68
GSM1900 Ant 1	Front	0.940	0.180	0.181	0.077	1.30	1.20	
	Back	0.940	0.180	0.181	0.155	1.30	1.28	
WCDMA II Ant 0	Front	0.783	0.180	0.181	0.077	1.14	1.04	
	Back	1.246	0.180	0.181	0.155	1.61	1.58	49
WCDMA II Ant 1	Front	0.991	0.180	0.181	0.077	1.35	1.25	
	Back	0.991	0.180	0.181	0.155	1.35	1.33	
WCDMA IV Ant 0	Front	0.914	0.180	0.181	0.077	1.28	1.17	
	Back	1.258	0.180	0.181	0.155	1.62	1.59	50
WCDMA IV Ant 1	Front	0.988	0.180	0.181	0.077	1.35	1.25	
	Back	0.988	0.180	0.181	0.155	1.35	1.32	
WCDMA V Ant 0	Front	0.738	0.180	0.181	0.077	1.10	1.00	
	Back	1.208	0.180	0.181	0.155	1.57	1.54	
WCDMA V Ant 1	Front	0.983	0.180	0.181	0.077	1.34	1.24	
	Back	0.983	0.180	0.181	0.155	1.34	1.32	
LTE Band 7 Ant 0	Front	1.203	0.180	0.181	0.077	1.56	1.46	
	Back	1.195	0.180	0.181	0.155	1.56	1.53	
LTE Band 7 Ant 1	Front	0.840	0.180	0.181	0.077	1.20	1.10	
	Back	0.840	0.180	0.181	0.155	1.20	1.18	
LTE Band 12 Ant 0	Front	0.628	0.180	0.181	0.077	0.99	0.89	
	Back	1.085	0.180	0.181	0.155	1.45	1.42	
LTE Band 12 Ant 1	Front	0.516	0.180	0.181	0.077	0.88	0.77	
	Back	0.516	0.180	0.181	0.155	0.88	0.85	
LTE Band 13 Ant 0	Front	0.447	0.180	0.181	0.077	0.81	0.70	
	Back	0.765	0.180	0.181	0.155	1.13	1.10	
LTE Band 13 Ant 1	Front	0.470	0.180	0.181	0.077	0.83	0.73	
	Back	0.940	0.180	0.181	0.155	1.30	1.28	
LTE Band 25 Ant 0	Front	0.866	0.180	0.181	0.077	1.23	1.12	
	Back	1.277	0.180	0.181	0.155	1.64	1.61	51&69
LTE Band 25 Ant 1	Front	0.973	0.180	0.181	0.077	1.33	1.23	
	Back	0.973	0.180	0.181	0.155	1.33	1.31	
LTE Band 26 Ant 0	Front	0.760	0.180	0.181	0.077	1.12	1.02	
	Back	1.129	0.180	0.181	0.155	1.49	1.46	
LTE Band 26 Ant 1	Front	0.509	0.180	0.181	0.077	0.87	0.77	
	Back	0.959	0.180	0.181	0.155	1.32	1.29	
LTE Band 41 Ant 0	Front	1.012	0.180	0.181	0.077	1.37	1.27	
	Back	0.975	0.180	0.181	0.155	1.34	1.31	
LTE Band 41 Ant 1	Front	0.880	0.180	0.181	0.077	1.24	1.14	
	Back	0.880	0.180	0.181	0.155	1.24	1.22	
LTE Band 41_HPUE Ant 0	Front	1.243	0.135	0.143	0.077	1.52	1.46	
	Back		0.180	0.181	0.155	0.36	0.34	
LTE Band 41_HPUE Ant 1	Front	0.790	0.180	0.181	0.077	1.15	1.05	
	Back	0.790	0.180	0.181	0.155	1.15	1.13	
LTE Band 66 Ant 0	Front	0.973	0.180	0.181	0.077	1.33	1.23	
	Back	1.253	0.180	0.181	0.155	1.61	1.59	54
LTE Band 66 Ant 1	Front	0.961	0.180	0.181	0.077	1.32	1.22	



LTE Band 42 Ant 2	Back	0.961	0.180	0.181	0.155	1.32	1.30	
	Front	0.767	0.180	0.181	0.077	1.13	1.02	
LTE Band 48 Ant 2	Back	0.767	0.180	0.181	0.155	1.13	1.10	
	Front	0.562	0.180	0.181	0.077	0.92	0.82	
	Back	0.562	0.180	0.181	0.155	0.92	0.90	

WWAN Band	Exposure Position	1	2	3	4	1+2+3	1+2+4	Case No
		WWAN	WLAN2.4GHz Ant 4+6	WLAN5GHz Ant 2+6	WLAN6GHz Ant 2+6	Summed	Summed	
		1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	
FR1 n2 Ant 0	Front	0.775	0.180	0.181	0.077	1.14	1.03	
	Back	1.226	0.180	0.181	0.155	1.59	1.56	
FR1 n2 Ant 1	Front	0.980	0.180	0.181	0.077	1.34	1.24	
	Back	0.980	0.180	0.181	0.155	1.34	1.32	
FR1 n5 Ant 0	Front	0.552	0.180	0.181	0.077	0.91	0.81	
	Back	0.944	0.180	0.181	0.155	1.31	1.28	
FR1 n5 Ant 1	Front	0.454	0.180	0.181	0.077	0.82	0.71	
	Back	0.876	0.180	0.181	0.155	1.24	1.21	
FR1 n7 Ant 0	Front	1.179	0.180	0.181	0.077	1.54	1.44	
	Back	1.077	0.180	0.181	0.155	1.44	1.41	
FR1 n7 Ant 1	Front	0.788	0.180	0.181	0.077	1.15	1.05	
	Back	0.788	0.180	0.181	0.155	1.15	1.12	
FR1 n66 Ant 0	Front	0.922	0.180	0.181	0.077	1.28	1.18	
	Back	1.232	0.180	0.181	0.155	1.59	1.57	
FR1 n66 Ant 1	Front	0.987	0.180	0.181	0.077	1.35	1.24	
	Back	0.987	0.180	0.181	0.155	1.35	1.32	
FR1 n41 HPUE Ant 0	Front	1.226	0.180	0.181	0.077	1.59	1.48	
	Back	1.062	0.180	0.181	0.155	1.42	1.40	
FR1 n41 HPUE Ant 1	Front	0.678	0.180	0.181	0.077	1.04	0.94	
	Back	0.678	0.180	0.181	0.155	1.04	1.01	
FR1 n41 HPUE Ant 3	Front	0.519	0.180	0.181	0.077	0.88	0.78	
	Back	0.919	0.180	0.181	0.155	1.28	1.25	
FR1 n41 HPUE Ant 4	Front	0.943	0.180	0.181	0.077	1.30	1.20	
	Back	0.943	0.180	0.181	0.155	1.30	1.28	
FR1 n77 Par27O HPUE Ant 2	Front	0.542	0.180	0.181	0.077	0.90	0.80	
	Back	0.542	0.180	0.181	0.155	0.90	0.88	
FR1 n77 Par27Q HPUE Ant 2	Front	0.787	0.180	0.181	0.077	1.15	1.04	
	Back	0.787	0.180	0.181	0.155	1.15	1.12	
FR1 n77 Par27O HPUE Ant 3	Front	1.260	0.135	0.143	0.077	1.54	1.47	
	Back	0.977	0.180	0.181	0.155	1.34	1.31	
FR1 n77 Par27Q HPUE Ant 3	Front	0.955	0.180	0.181	0.077	1.32	1.21	
	Back	0.755	0.180	0.181	0.155	1.12	1.09	
FR1 n77 Par27O HPUE Ant 5	Front	0.985	0.180	0.181	0.077	1.35	1.24	
	Back	0.985	0.180	0.181	0.155	1.35	1.32	
FR1 n77 Par27Q HPUE Ant 5	Front	0.615	0.180	0.181	0.077	0.98	0.87	
	Back	0.615	0.180	0.181	0.155	0.98	0.95	
FR1 n77 Par27O HPUE Ant 7	Front	0.993	0.180	0.181	0.077	1.35	1.25	
	Back	0.993	0.180	0.181	0.155	1.35	1.33	
FR1 n77 Par27Q HPUE Ant 7	Front	1.064	0.180	0.181	0.077	1.43	1.32	
	Back	1.064	0.180	0.181	0.155	1.43	1.40	



17.5 Product specific 10g SAR Exposure Conditions

Remark:

1. 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.

WWAN Band	Exposure Position	1	2	3	4	1+2+4	1+3+4
		WLAN2.4GHz Ant 2+6	WLAN5GHz Ant 2+6	WLAN6E Ant 2+6	NFC	Summed	Summed
		10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)
GSM850 Ant 0	Front	1.658	1.712	0.286	0.001	3.37	1.95
	Back	1.658	1.712	0.286	0.018	3.39	1.96
	Left side	1.658	1.712	0.286	0.001	3.37	1.95
	Right side	1.658	1.712	0.286	0.002	3.37	1.95
	Top side	1.658	1.712	0.286	0.001	3.37	1.95
	Bottom side	1.658	1.712	0.286	0.001	3.37	1.95

WWAN Band	Exposure Position	1	2	3	4	1+2+4	1+3+4
		WWAN	WLAN5GHz Ant 2+6	WLAN6E Ant 2+6	NFC	Summed	Summed
		10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)
GSM850 Ant 0	Front		0.774	0.286	0.001	0.78	0.29
	Back	1.632	0.774	0.286	0.018	2.42	1.94
	Left side		0.774	0.286	0.001	0.78	0.29
	Right side		0.774	0.286	0.002	0.78	0.29
	Top side		0.774	0.286	0.001	0.78	0.29
	Bottom side				0.001	0.00	0.00
GSM850 Ant 1	Front		0.774	0.286	0.001	0.78	0.29
	Back		0.774	0.286	0.018	0.79	0.30
	Left side		0.774	0.286	0.001	0.78	0.29
	Right side		0.774	0.286	0.002	0.78	0.29
	Top side		0.774	0.286	0.001	0.78	0.29
	Bottom side				0.001	0.00	0.00
GSM1900 Ant 0	Front		0.774	0.286	0.001	0.78	0.29
	Back	2.596	0.774	0.286	0.018	3.39	2.90
	Left side		0.774	0.286	0.001	0.78	0.29
	Right side		0.774	0.286	0.002	0.78	0.29
	Top side		0.774	0.286	0.001	0.78	0.29
	Bottom side	1.954			0.001	1.96	1.96
GSM1900 Ant 1	Front	1.141	0.774	0.286	0.001	1.92	1.43
	Back	1.278	0.774	0.286	0.018	2.07	1.58
	Left side	1.721	0.774	0.286	0.001	2.50	2.01
	Right side		0.774	0.286	0.002	0.78	0.29
	Top side	2.140	0.774	0.286	0.001	2.92	2.43
	Bottom side				0.001	0.00	0.00
WCDMA II Ant 0	Front	2.225	0.774	0.286	0.001	3.00	2.51
	Back	2.727	0.774	0.286	0.018	3.52	3.03
	Left side		0.774	0.286	0.001	0.78	0.29
	Right side		0.774	0.286	0.002	0.78	0.29
	Top side		0.774	0.286	0.001	0.78	0.29
	Bottom side	2.024			0.001	2.03	2.03
WCDMA II Ant 1	Front	2.749	0.774	0.286	0.001	3.52	3.04
	Back	1.424	0.774	0.286	0.018	2.22	1.73
	Left side	1.286	0.774	0.286	0.001	2.06	1.57
	Right side		0.774	0.286	0.002	0.78	0.29
	Top side	1.182	0.774	0.286	0.001	1.96	1.47
	Bottom side				0.001	0.00	0.00



WCDMA IV Ant 0	Front	2.398	0.774	0.286	0.001	3.17	2.69
	Back	2.728	0.774	0.286	0.018	3.52	3.03
	Left side		0.774	0.286	0.001	0.78	0.29
	Right side		0.774	0.286	0.002	0.78	0.29
	Top side		0.774	0.286	0.001	0.78	0.29
	Bottom side	2.357			0.001	2.36	2.36
WCDMA IV Ant 1	Front	2.109	0.774	0.286	0.001	2.88	2.40
	Back	1.372	0.774	0.286	0.018	2.16	1.68
	Left side	1.487	0.774	0.286	0.001	2.26	1.77
	Right side		0.774	0.286	0.002	0.78	0.29
	Top side	2.744	0.774	0.286	0.001	3.52	3.03
	Bottom side				0.001	0.00	0.00
WCDMA V Ant 0	Front		0.774	0.286	0.001	0.78	0.29
	Back	1.766	0.774	0.286	0.018	2.56	2.07
	Left side		0.774	0.286	0.001	0.78	0.29
	Right side		0.774	0.286	0.002	0.78	0.29
	Top side		0.774	0.286	0.001	0.78	0.29
	Bottom side				0.001	0.00	0.00
WCDMA V Ant 1	Front		0.774	0.286	0.001	0.78	0.29
	Back	1.101	0.774	0.286	0.018	1.89	1.41
	Left side		0.774	0.286	0.001	0.78	0.29
	Right side		0.774	0.286	0.002	0.78	0.29
	Top side		0.774	0.286	0.001	0.78	0.29
	Bottom side				0.001	0.00	0.00
LTE Band 7 Ant 0	Front	1.834	0.774	0.286	0.001	2.61	2.12
	Back	2.632	0.774	0.286	0.018	3.42	2.94
	Left side		0.774	0.286	0.001	0.78	0.29
	Right side		0.774	0.286	0.002	0.78	0.29
	Top side		0.774	0.286	0.001	0.78	0.29
	Bottom side	2.381			0.001	2.38	2.38
LTE Band 7 Ant 1	Front	2.717	0.774	0.286	0.001	3.49	3.00
	Back	0.956	0.774	0.286	0.018	1.75	1.26
	Left side		0.774	0.286	0.001	0.78	0.29
	Right side		0.774	0.286	0.002	0.78	0.29
	Top side	2.161	0.774	0.286	0.001	2.94	2.45
	Bottom side				0.001	0.00	0.00
LTE Band 12 Ant 0	Front		0.774	0.286	0.001	0.78	0.29
	Back		0.774	0.286	0.018	0.79	0.30
	Left side		0.774	0.286	0.001	0.78	0.29
	Right side		0.774	0.286	0.002	0.78	0.29
	Top side		0.774	0.286	0.001	0.78	0.29
	Bottom side				0.001	0.00	0.00
LTE Band 12 Ant 1	Front		0.774	0.286	0.001	0.78	0.29
	Back		0.774	0.286	0.018	0.79	0.30
	Left side		0.774	0.286	0.001	0.78	0.29
	Right side		0.774	0.286	0.002	0.78	0.29
	Top side	2.568	0.774	0.286	0.001	3.34	2.86
	Bottom side				0.001	0.00	0.00
LTE Band 13 Ant 0	Front		0.774	0.286	0.001	0.78	0.29
	Back		0.774	0.286	0.018	0.79	0.30
	Left side		0.774	0.286	0.001	0.78	0.29
	Right side		0.774	0.286	0.002	0.78	0.29
	Top side		0.774	0.286	0.001	0.78	0.29
	Bottom side				0.001	0.00	0.00
LTE Band 13 Ant 1	Front		0.774	0.286	0.001	0.78	0.29
	Back		0.774	0.286	0.018	0.79	0.30



	Left side		0.774	0.286	0.001	0.78	0.29
	Right side		0.774	0.286	0.002	0.78	0.29
	Top side		0.774	0.286	0.001	0.78	0.29
	Bottom side				0.001	0.00	0.00
LTE Band 25 Ant 0	Front	2.136	0.774	0.286	0.001	2.91	2.42
	Back	2.723	0.774	0.286	0.018	3.52	3.03
	Left side		0.774	0.286	0.001	0.78	0.29
	Right side		0.774	0.286	0.002	0.78	0.29
	Top side		0.774	0.286	0.001	0.78	0.29
	Bottom side	2.198			0.001	2.20	2.20
LTE Band 25 Ant 1	Front	2.757	0.774	0.286	0.001	3.53	3.04
	Back	1.319	0.774	0.286	0.018	2.11	1.62
	Left side	1.294	0.774	0.286	0.001	2.07	1.58
	Right side		0.774	0.286	0.002	0.78	0.29
	Top side	2.151	0.774	0.286	0.001	2.93	2.44
	Bottom side				0.001	0.00	0.00
LTE Band 26 Ant 0	Front		0.774	0.286	0.001	0.78	0.29
	Back	1.290	0.774	0.286	0.018	2.08	1.59
	Left side		0.774	0.286	0.001	0.78	0.29
	Right side		0.774	0.286	0.002	0.78	0.29
	Top side		0.774	0.286	0.001	0.78	0.29
	Bottom side				0.001	0.00	0.00
LTE Band 26 Ant 1	Front		0.774	0.286	0.001	0.78	0.29
	Back		0.774	0.286	0.018	0.79	0.30
	Left side		0.774	0.286	0.001	0.78	0.29
	Right side		0.774	0.286	0.002	0.78	0.29
	Top side		0.774	0.286	0.001	0.78	0.29
	Bottom side				0.001	0.00	0.00
LTE Band 66 Ant 0	Front	2.258	0.774	0.286	0.001	3.03	2.55
	Back	2.719	0.774	0.286	0.018	3.51	3.02
	Left side		0.774	0.286	0.001	0.78	0.29
	Right side		0.774	0.286	0.002	0.78	0.29
	Top side		0.774	0.286	0.001	0.78	0.29
	Bottom side	2.420			0.001	2.42	2.42
LTE Band 66 Ant 1	Front	2.418	0.774	0.286	0.001	3.19	2.71
	Back	1.274	0.774	0.286	0.018	2.07	1.58
	Left side	1.305	0.774	0.286	0.001	2.08	1.59
	Right side		0.774	0.286	0.002	0.78	0.29
	Top side	2.731	0.774	0.286	0.001	3.51	3.02
	Bottom side				0.001	0.00	0.00
LTE Band 41 Ant 0	Front		0.774	0.286	0.001	0.78	0.29
	Back		0.774	0.286	0.018	0.79	0.30
	Left side		0.774	0.286	0.001	0.78	0.29
	Right side		0.774	0.286	0.002	0.78	0.29
	Top side		0.774	0.286	0.001	0.78	0.29
	Bottom side	1.590			0.001	1.59	1.59
LTE Band 41 Ant 1	Front	2.171	0.774	0.286	0.001	2.95	2.46
	Back	0.776	0.774	0.286	0.018	1.57	1.08
	Left side		0.774	0.286	0.001	0.78	0.29
	Right side		0.774	0.286	0.002	0.78	0.29
	Top side	1.767	0.774	0.286	0.001	2.54	2.05
	Bottom side				0.001	0.00	0.00
LTE Band 41_HPUE Ant 0	Front		0.774	0.286	0.001	0.78	0.29
	Back		0.774	0.286	0.018	0.79	0.30
	Left side		0.774	0.286	0.001	0.78	0.29
	Right side		0.774	0.286	0.002	0.78	0.29



	Top side		0.774	0.286	0.001	0.78	0.29
	Bottom side	1.994			0.001	2.00	2.00
LTE Band 41_HPUE Ant 1	Front	2.706	0.774	0.286	0.001	3.48	2.99
	Back		0.774	0.286	0.018	0.79	0.30
	Left side		0.774	0.286	0.001	0.78	0.29
	Right side		0.774	0.286	0.002	0.78	0.29
	Top side		0.774	0.286	0.001	0.78	0.29
	Bottom side				0.001	0.00	0.00
LTE Band 42 Ant 2	Front		0.774	0.286	0.001	0.78	0.29
	Back	0.814	0.774	0.286	0.018	1.61	1.12
	Left side	2.643	0.774	0.286	0.001	3.42	2.93
	Right side		0.774	0.286	0.002	0.78	0.29
	Top side		0.774	0.286	0.001	0.78	0.29
LTE Band 48 Ant 2	Bottom side				0.001	0.00	0.00
	Front		0.774	0.286	0.001	0.78	0.29
	Back	0.691	0.774	0.286	0.018	1.48	1.00
	Left side	2.454	0.774	0.286	0.001	3.23	2.74
	Right side		0.774	0.286	0.002	0.78	0.29
	Top side		0.774	0.286	0.001	0.78	0.29
	Bottom side				0.001	0.00	0.00

FR1 Band	Exposure Position	1	2	3	4	1+2+4	1+3+4
		FR1	WLAN5GHz Ant 2+6	WLAN6E Ant 2+6	NFC	Summed	Summed
		10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)
FR1 n2 Ant 0	Front	2.189	0.774	0.286	0.001	2.96	2.48
	Back	2.727	0.774	0.286	0.018	3.52	3.03
	Left side		0.774	0.286	0.001	0.78	0.29
	Right side		0.774	0.286	0.002	0.78	0.29
	Top side		0.774	0.286	0.001	0.78	0.29
	Bottom side	2.137			0.001	2.14	2.14
FR1 n2 Ant 1	Front	2.782	0.774	0.286	0.001	3.56	3.07
	Back	1.469	0.774	0.286	0.018	2.26	1.77
	Left side	1.493	0.774	0.286	0.001	2.27	1.78
	Right side		0.774	0.286	0.002	0.78	0.29
	Top side	2.560	0.774	0.286	0.001	3.34	2.85
	Bottom side				0.001	0.00	0.00
FR1 n5 Ant 0	Front		0.774	0.286	0.001	0.78	0.29
	Back		0.774	0.286	0.018	0.79	0.30
	Left side		0.774	0.286	0.001	0.78	0.29
	Right side		0.774	0.286	0.002	0.78	0.29
	Top side		0.774	0.286	0.001	0.78	0.29
	Bottom side				0.001	0.00	0.00
FR1 n5 Ant 1	Front		0.774	0.286	0.001	0.78	0.29
	Back		0.774	0.286	0.018	0.79	0.30
	Left side		0.774	0.286	0.001	0.78	0.29
	Right side		0.774	0.286	0.002	0.78	0.29
	Top side		0.774	0.286	0.001	0.78	0.29
	Bottom side				0.001	0.00	0.00
FR1 n7 Ant 0	Front	1.611	0.774	0.286	0.001	2.39	1.90
	Back	2.144	0.774	0.286	0.018	2.94	2.45
	Left side		0.774	0.286	0.001	0.78	0.29
	Right side		0.774	0.286	0.002	0.78	0.29
	Top side		0.774	0.286	0.001	0.78	0.29
	Bottom side	1.947			0.001	1.95	1.95
FR1 n7 Ant 1	Front	2.719	0.774	0.286	0.001	3.49	3.01



	Back	0.986	0.774	0.286	0.018	1.78	1.29
	Left side		0.774	0.286	0.001	0.78	0.29
	Right side		0.774	0.286	0.002	0.78	0.29
	Top side	2.560	0.774	0.286	0.001	3.34	2.85
	Bottom side				0.001	0.00	0.00
FR1 n66 Ant 0	Front	2.364	0.774	0.286	0.001	3.14	2.65
	Back	2.756	0.774	0.286	0.018	3.55	3.06
	Left side		0.774	0.286	0.001	0.78	0.29
	Right side		0.774	0.286	0.002	0.78	0.29
	Top side		0.774	0.286	0.001	0.78	0.29
	Bottom side	2.286			0.001	2.29	2.29
FR1 n66 Ant 1	Front	2.000	0.774	0.286	0.001	2.78	2.29
	Back	1.213	0.774	0.286	0.018	2.01	1.52
	Left side	1.300	0.774	0.286	0.001	2.08	1.59
	Right side		0.774	0.286	0.002	0.78	0.29
	Top side	2.719	0.774	0.286	0.001	3.49	3.01
	Bottom side				0.001	0.00	0.00
FR1 n41 HPUE Ant 0	Front	2.314	0.774	0.286	0.001	3.09	2.60
	Back	2.757	0.774	0.286	0.018	3.55	3.06
	Left side		0.774	0.286	0.001	0.78	0.29
	Right side	2.287	0.774	0.286	0.002	3.06	2.58
	Top side		0.774	0.286	0.001	0.78	0.29
	Bottom side	2.251			0.001	2.25	2.25
FR1 n41 HPUE Ant 1	Front	2.741	0.774	0.286	0.001	3.52	3.03
	Back	0.983	0.774	0.286	0.018	1.78	1.29
	Left side		0.774	0.286	0.001	0.78	0.29
	Right side		0.774	0.286	0.002	0.78	0.29
	Top side	2.515	0.774	0.286	0.001	3.29	2.80
	Bottom side				0.001	0.00	0.00
FR1 n41 HPUE Ant 3	Front	0.764	0.774	0.286	0.001	1.54	1.05
	Back	1.189	0.774	0.286	0.018	1.98	1.49
	Left side	2.718	0.774	0.286	0.001	3.49	3.01
	Right side		0.774	0.286	0.002	0.78	0.29
	Top side		0.774	0.286	0.001	0.78	0.29
	Bottom side				0.001	0.00	0.00
FR1 n41 HPUE Ant 4	Front	2.180	0.774	0.286	0.001	2.96	2.47
	Back	1.367	0.774	0.286	0.018	2.16	1.67
	Left side		0.774	0.286	0.001	0.78	0.29
	Right side	0.667	0.774	0.286	0.002	1.44	0.96
	Top side	2.729	0.774	0.286	0.001	3.50	3.02
	Bottom side				0.001	0.00	0.00
FR1 n77 Par270 HPUE Ant 2	Front	0.908	0.774	0.286	0.001	1.68	1.20
	Back	0.592	0.774	0.286	0.018	1.38	0.90
	Left side	2.529	0.774	0.286	0.001	3.30	2.82
	Right side		0.774	0.286	0.002	0.78	0.29
	Top side		0.774	0.286	0.001	0.78	0.29
	Bottom side				0.001	0.00	0.00
FR1 n77 Par270 HPUE Ant 2	Front	1.413	0.774	0.286	0.001	2.19	1.70
	Back	0.916	0.774	0.286	0.018	1.71	1.22
	Left side	2.710	0.774	0.286	0.001	3.49	3.00
	Right side		0.774	0.286	0.002	0.78	0.29
	Top side		0.774	0.286	0.001	0.78	0.29
	Bottom side				0.001	0.00	0.00
FR1 n77 Par270 HPUE Ant 5	Front	2.383	0.774	0.286	0.001	3.16	2.67
	Back	0.841	0.774	0.286	0.018	1.63	1.15
	Left side		0.774	0.286	0.001	0.78	0.29



	Right side	0.614	0.774	0.286	0.002	1.39	0.90
	Top side	1.422	0.774	0.286	0.001	2.20	1.71
	Bottom side				0.001	0.00	0.00
FR1 n77 Par27Q HPUE Ant 5	Front	2.078	0.774	0.286	0.001	2.85	2.37
	Back	0.544	0.774	0.286	0.018	1.34	0.85
	Left side		0.774	0.286	0.001	0.78	0.29
	Right side		0.774	0.286	0.002	0.78	0.29
	Top side	2.723	0.774	0.286	0.001	3.50	3.01
	Bottom side				0.001	0.00	0.00
FR1 n77 Par27Q HPUE Ant 3	Front	2.532	0.774	0.286	0.001	3.31	2.82
	Back	0.987	0.774	0.286	0.018	1.78	1.29
	Left side	2.570	0.774	0.286	0.001	3.35	2.86
	Right side		0.774	0.286	0.002	0.78	0.29
	Top side		0.774	0.286	0.001	0.78	0.29
	Bottom side				0.001	0.00	0.00
FR1 n77 Par27Q HPUE Ant 3	Front		0.774	0.286	0.001	0.78	0.29
	Back		0.774	0.286	0.018	0.79	0.30
	Left side	2.751	0.774	0.286	0.001	3.53	3.04
	Right side		0.774	0.286	0.002	0.78	0.29
	Top side		0.774	0.286	0.001	0.78	0.29
	Bottom side				0.001	0.00	0.00
FR1 n77 Par27Q HPUE Ant 7	Front		0.774	0.286	0.001	0.78	0.29
	Back	1.848	0.774	0.286	0.018	2.64	2.15
	Left side		0.774	0.286	0.001	0.78	0.29
	Right side		0.774	0.286	0.002	0.78	0.29
	Top side		0.774	0.286	0.001	0.78	0.29
	Bottom side				0.001	0.00	0.00
FR1 n77 Par27Q HPUE Ant 7	Front		0.774	0.286	0.001	0.78	0.29
	Back	2.746	0.774	0.286	0.018	3.54	3.05
	Left side		0.774	0.286	0.001	0.78	0.29
	Right side		0.774	0.286	0.002	0.78	0.29
	Top side		0.774	0.286	0.001	0.78	0.29
	Bottom side				0.001	0.00	0.00

WWAN Band	Exposure Position	1	2	3	4	5	1+2+3+5	1+2+4+5
		WWAN	WLAN2.4GHz Ant 2+6	WLAN5GHz Ant 2+6	WIFI 6E Ant 2+6	NFC	Summed	Summed
		10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)
GSM850 Ant 0	Front		0.368	0.392	0.286	0.001	0.76	0.66
	Back	1.632	0.368	0.392	0.286	0.018	2.41	2.30
	Left side		0.368	0.392	0.286	0.001	0.76	0.66
	Right side		0.368	0.392	0.286	0.002	0.76	0.66
	Top side		0.368	0.392	0.286	0.001	0.76	0.66
	Bottom side					0.001	0.00	0.00
GSM850 Ant 1	Front		0.368	0.392	0.286	0.001	0.76	0.66
	Back		0.368	0.392	0.286	0.018	0.78	0.67
	Left side		0.368	0.392	0.286	0.001	0.76	0.66
	Right side		0.368	0.392	0.286	0.002	0.76	0.66
	Top side		0.368	0.392	0.286	0.001	0.76	0.66
	Bottom side					0.001	0.00	0.00
GSM1900 Ant 0	Front		0.368	0.392	0.286	0.001	0.76	0.66
	Back	2.596	0.368	0.392	0.286	0.018	3.37	3.27
	Left side		0.368	0.392	0.286	0.001	0.76	0.66
	Right side		0.368	0.392	0.286	0.002	0.76	0.66
	Top side		0.368	0.392	0.286	0.001	0.76	0.66
	Bottom side	1.954				0.001	1.96	1.96



GSM1900 Ant 1	Front	1.141	0.368	0.392	0.286	0.001	1.90	1.80
	Back	1.278	0.368	0.392	0.286	0.018	2.06	1.95
	Left side	1.721	0.368	0.392	0.286	0.001	2.48	2.38
	Right side		0.368	0.392	0.286	0.002	0.76	0.66
	Top side	2.140	0.368	0.392	0.286	0.001	2.90	2.80
	Bottom side					0.001	0.00	0.00
WCDMA II Ant 0	Front	2.225	0.368	0.392	0.286	0.001	2.99	2.88
	Back	2.727	0.368	0.392	0.286	0.018	3.51	3.40
	Left side		0.368	0.392	0.286	0.001	0.76	0.66
	Right side		0.368	0.392	0.286	0.002	0.76	0.66
	Top side		0.368	0.392	0.286	0.001	0.76	0.66
	Bottom side	2.024				0.001	2.03	2.03
WCDMA II Ant 1	Front	2.749	0.368	0.392	0.286	0.001	3.51	3.40
	Back	1.424	0.368	0.392	0.286	0.018	2.20	2.10
	Left side	1.286	0.368	0.392	0.286	0.001	2.05	1.94
	Right side		0.368	0.392	0.286	0.002	0.76	0.66
	Top side	1.182	0.368	0.392	0.286	0.001	1.94	1.84
	Bottom side					0.001	0.00	0.00
WCDMA IV Ant 0	Front	2.398	0.368	0.392	0.286	0.001	3.16	3.05
	Back	2.728	0.368	0.392	0.286	0.018	3.51	3.40
	Left side		0.368	0.392	0.286	0.001	0.76	0.66
	Right side		0.368	0.392	0.286	0.002	0.76	0.66
	Top side		0.368	0.392	0.286	0.001	0.76	0.66
	Bottom side	2.357				0.001	2.36	2.36
WCDMA IV Ant 1	Front	2.109	0.368	0.392	0.286	0.001	2.87	2.76
	Back	1.372	0.368	0.392	0.286	0.018	2.15	2.04
	Left side	1.487	0.368	0.392	0.286	0.001	2.25	2.14
	Right side		0.368	0.392	0.286	0.002	0.76	0.66
	Top side	2.744	0.368	0.392	0.286	0.001	3.51	3.40
	Bottom side					0.001	0.00	0.00
WCDMA V Ant 0	Front		0.368	0.392	0.286	0.001	0.76	0.66
	Back	1.766	0.368	0.392	0.286	0.018	2.54	2.44
	Left side		0.368	0.392	0.286	0.001	0.76	0.66
	Right side		0.368	0.392	0.286	0.002	0.76	0.66
	Top side		0.368	0.392	0.286	0.001	0.76	0.66
	Bottom side					0.001	0.00	0.00
WCDMA V Ant 1	Front		0.368	0.392	0.286	0.001	0.76	0.66
	Back	1.101	0.368	0.392	0.286	0.018	1.88	1.77
	Left side		0.368	0.392	0.286	0.001	0.76	0.66
	Right side		0.368	0.392	0.286	0.002	0.76	0.66
	Top side		0.368	0.392	0.286	0.001	0.76	0.66
	Bottom side					0.001	0.00	0.00
LTE Band 7 Ant 0	Front	1.834	0.368	0.392	0.286	0.001	2.60	2.49
	Back	2.632	0.368	0.392	0.286	0.018	3.41	3.30
	Left side		0.368	0.392	0.286	0.001	0.76	0.66
	Right side		0.368	0.392	0.286	0.002	0.76	0.66
	Top side		0.368	0.392	0.286	0.001	0.76	0.66
	Bottom side	2.381				0.001	2.38	2.38
LTE Band 7 Ant 1	Front	2.717	0.368	0.392	0.286	0.001	3.48	3.37
	Back	0.956	0.368	0.392	0.286	0.018	1.73	1.63
	Left side		0.368	0.392	0.286	0.001	0.76	0.66
	Right side		0.368	0.392	0.286	0.002	0.76	0.66
	Top side	2.161	0.368	0.392	0.286	0.001	2.92	2.82
	Bottom side					0.001	0.00	0.00
LTE Band 12 Ant 0	Front		0.368	0.392	0.286	0.001	0.76	0.66
	Back		0.368	0.392	0.286	0.018	0.78	0.67



	Left side		0.368	0.392	0.286	0.001	0.76	0.66
	Right side		0.368	0.392	0.286	0.002	0.76	0.66
	Top side		0.368	0.392	0.286	0.001	0.76	0.66
	Bottom side					0.001	0.00	0.00
LTE Band 12 Ant 1	Front		0.368	0.392	0.286	0.001	0.76	0.66
	Back		0.368	0.392	0.286	0.018	0.78	0.67
	Left side		0.368	0.392	0.286	0.001	0.76	0.66
	Right side		0.368	0.392	0.286	0.002	0.76	0.66
	Top side	2.568	0.368	0.392	0.286	0.001	3.33	3.22
	Bottom side					0.001	0.00	0.00
LTE Band 13 Ant 0	Front		0.368	0.392	0.286	0.001	0.76	0.66
	Back		0.368	0.392	0.286	0.018	0.78	0.67
	Left side		0.368	0.392	0.286	0.001	0.76	0.66
	Right side		0.368	0.392	0.286	0.002	0.76	0.66
	Top side		0.368	0.392	0.286	0.001	0.76	0.66
	Bottom side					0.001	0.00	0.00
LTE Band 13 Ant 1	Front		0.368	0.392	0.286	0.001	0.76	0.66
	Back		0.368	0.392	0.286	0.018	0.78	0.67
	Left side		0.368	0.392	0.286	0.001	0.76	0.66
	Right side		0.368	0.392	0.286	0.002	0.76	0.66
	Top side		0.368	0.392	0.286	0.001	0.76	0.66
	Bottom side					0.001	0.00	0.00
LTE Band 25 Ant 0	Front	2.136	0.368	0.392	0.286	0.001	2.90	2.79
	Back	2.723	0.368	0.392	0.286	0.018	3.50	3.40
	Left side		0.368	0.392	0.286	0.001	0.76	0.66
	Right side		0.368	0.392	0.286	0.002	0.76	0.66
	Top side		0.368	0.392	0.286	0.001	0.76	0.66
	Bottom side	2.198				0.001	2.20	2.20
LTE Band 25 Ant 1	Front	2.757	0.368	0.392	0.286	0.001	3.52	3.41
	Back	1.319	0.368	0.392	0.286	0.018	2.10	1.99
	Left side	1.294	0.368	0.392	0.286	0.001	2.06	1.95
	Right side		0.368	0.392	0.286	0.002	0.76	0.66
	Top side	2.151	0.368	0.392	0.286	0.001	2.91	2.81
	Bottom side					0.001	0.00	0.00
LTE Band 26 Ant 0	Front		0.368	0.392	0.286	0.001	0.76	0.66
	Back	1.290	0.368	0.392	0.286	0.018	2.07	1.96
	Left side		0.368	0.392	0.286	0.001	0.76	0.66
	Right side		0.368	0.392	0.286	0.002	0.76	0.66
	Top side		0.368	0.392	0.286	0.001	0.76	0.66
	Bottom side					0.001	0.00	0.00
LTE Band 26 Ant 1	Front		0.368	0.392	0.286	0.001	0.76	0.66
	Back		0.368	0.392	0.286	0.018	0.78	0.67
	Left side		0.368	0.392	0.286	0.001	0.76	0.66
	Right side		0.368	0.392	0.286	0.002	0.76	0.66
	Top side		0.368	0.392	0.286	0.001	0.76	0.66
	Bottom side					0.001	0.00	0.00
LTE Band 66 Ant 0	Front	2.258	0.368	0.392	0.286	0.001	3.02	2.91
	Back	2.719	0.368	0.392	0.286	0.018	3.50	3.39
	Left side		0.368	0.392	0.286	0.001	0.76	0.66
	Right side		0.368	0.392	0.286	0.002	0.76	0.66
	Top side		0.368	0.392	0.286	0.001	0.76	0.66
	Bottom side	2.420				0.001	2.42	2.42
LTE Band 66 Ant 1	Front	2.418	0.368	0.392	0.286	0.001	3.18	3.07
	Back	1.274	0.368	0.392	0.286	0.018	2.05	1.95
	Left side	1.305	0.368	0.392	0.286	0.001	2.07	1.96
	Right side		0.368	0.392	0.286	0.002	0.76	0.66



	Top side	2.731	0.368	0.392	0.286	0.001	3.49	3.39
	Bottom side					0.001	0.00	0.00
LTE Band 41 Ant 0	Front		0.368	0.392	0.286	0.001	0.76	0.66
	Back		0.368	0.392	0.286	0.018	0.78	0.67
	Left side		0.368	0.392	0.286	0.001	0.76	0.66
	Right side		0.368	0.392	0.286	0.002	0.76	0.66
	Top side		0.368	0.392	0.286	0.001	0.76	0.66
	Bottom side	1.590					0.001	1.59
LTE Band 41 Ant 1	Front	2.171	0.368	0.392	0.286	0.001	2.93	2.83
	Back	0.776	0.368	0.392	0.286	0.018	1.55	1.45
	Left side		0.368	0.392	0.286	0.001	0.76	0.66
	Right side		0.368	0.392	0.286	0.002	0.76	0.66
	Top side	1.767	0.368	0.392	0.286	0.001	2.53	2.42
	Bottom side						0.001	0.00
LTE Band 41_HPUE Ant 0	Front		0.368	0.392	0.286	0.001	0.76	0.66
	Back		0.368	0.392	0.286	0.018	0.78	0.67
	Left side		0.368	0.392	0.286	0.001	0.76	0.66
	Right side		0.368	0.392	0.286	0.002	0.76	0.66
	Top side		0.368	0.392	0.286	0.001	0.76	0.66
	Bottom side	1.994					0.001	2.00
LTE Band 41_HPUE Ant 1	Front	2.706	0.368	0.392	0.286	0.001	3.47	3.36
	Back		0.368	0.392	0.286	0.018	0.78	0.67
	Left side		0.368	0.392	0.286	0.001	0.76	0.66
	Right side		0.368	0.392	0.286	0.002	0.76	0.66
	Top side		0.368	0.392	0.286	0.001	0.76	0.66
	Bottom side						0.001	0.00
LTE Band 42 Ant 2	Front		0.368	0.392	0.286	0.001	0.76	0.66
	Back	0.814	0.368	0.392	0.286	0.018	1.59	1.49
	Left side	2.643	0.368	0.392	0.286	0.001	3.40	3.30
	Right side		0.368	0.392	0.286	0.002	0.76	0.66
	Top side		0.368	0.392	0.286	0.001	0.76	0.66
	Bottom side						0.001	0.00
LTE Band 48 Ant 2	Front		0.368	0.392	0.286	0.001	0.76	0.66
	Back	0.691	0.368	0.392	0.286	0.018	1.47	1.36
	Left side	2.454	0.368	0.392	0.286	0.001	3.22	3.11
	Right side		0.368	0.392	0.286	0.002	0.76	0.66
	Top side		0.368	0.392	0.286	0.001	0.76	0.66
	Bottom side						0.001	0.00

WWAN Band	Exposure Position	1	2	3	4	5	1+2+3+5	1+2+4+5
		WWAN	WLAN2.4GHz Ant 2+6	WLAN5GHz Ant 2+6	WIFI 6E Ant 2+6	NFC	Summed	Summed
		10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)
FR1 n2 Ant 0	Front	2.189	0.368	0.392	0.286	0.001	2.95	2.84
	Back	2.727	0.368	0.392	0.286	0.018	3.51	3.40
	Left side		0.368	0.392	0.286	0.001	0.76	0.66
	Right side		0.368	0.392	0.286	0.002	0.76	0.66
	Top side		0.368	0.392	0.286	0.001	0.76	0.66
	Bottom side	2.137					0.001	2.14
FR1 n2 Ant 1	Front	2.782	0.368	0.392	0.286	0.001	3.54	3.44
	Back	1.469	0.368	0.392	0.286	0.018	2.25	2.14
	Left side	1.493	0.368	0.392	0.286	0.001	2.25	2.15
	Right side		0.368	0.392	0.286	0.002	0.76	0.66
	Top side	2.560	0.368	0.392	0.286	0.001	3.32	3.22
	Bottom side						0.001	0.00
FR1 n5 Ant 0	Front		0.368	0.392	0.286	0.001	0.76	0.66



	Back		0.368	0.392	0.286	0.018	0.78	0.67
	Left side		0.368	0.392	0.286	0.001	0.76	0.66
	Right side		0.368	0.392	0.286	0.002	0.76	0.66
	Top side		0.368	0.392	0.286	0.001	0.76	0.66
	Bottom side					0.001	0.00	0.00
FR1 n5 Ant 1	Front		0.368	0.392	0.286	0.001	0.76	0.66
	Back		0.368	0.392	0.286	0.018	0.78	0.67
	Left side		0.368	0.392	0.286	0.001	0.76	0.66
	Right side		0.368	0.392	0.286	0.002	0.76	0.66
	Top side		0.368	0.392	0.286	0.001	0.76	0.66
FR1 n7 Ant 0	Bottom side					0.001	0.00	0.00
	Front	1.611	0.368	0.392	0.286	0.001	2.37	2.27
	Back	2.144	0.368	0.392	0.286	0.018	2.92	2.82
	Left side		0.368	0.392	0.286	0.001	0.76	0.66
	Right side		0.368	0.392	0.286	0.002	0.76	0.66
FR1 n7 Ant 1	Top side		0.368	0.392	0.286	0.001	0.76	0.66
	Bottom side	1.947				0.001	1.95	1.95
	Front	2.719	0.368	0.392	0.286	0.001	3.48	3.37
	Back	0.986	0.368	0.392	0.286	0.018	1.76	1.66
	Left side		0.368	0.392	0.286	0.001	0.76	0.66
FR1 n66 Ant 0	Right side		0.368	0.392	0.286	0.002	0.76	0.66
	Top side	2.560	0.368	0.392	0.286	0.001	3.32	3.22
	Bottom side					0.001	0.00	0.00
	Front	2.364	0.368	0.392	0.286	0.001	3.13	3.02
	Back	2.756	0.368	0.392	0.286	0.018	3.53	3.43
FR1 n66 Ant 1	Left side		0.368	0.392	0.286	0.001	0.76	0.66
	Right side		0.368	0.392	0.286	0.002	0.76	0.66
	Top side	2.719	0.368	0.392	0.286	0.001	3.48	3.37
	Bottom side					0.001	0.00	0.00
	Front	2.000	0.368	0.392	0.286	0.001	2.76	2.66
FR1 n41 HPUE Ant 0	Back	1.213	0.368	0.392	0.286	0.018	1.99	1.89
	Left side	1.300	0.368	0.392	0.286	0.001	2.06	1.96
	Right side		0.368	0.392	0.286	0.002	0.76	0.66
	Top side	2.719	0.368	0.392	0.286	0.001	3.48	3.37
	Bottom side					0.001	0.00	0.00
FR1 n41 HPUE Ant 1	Front	2.314	0.368	0.392	0.286	0.001	3.08	2.97
	Back	2.757	0.368	0.392	0.286	0.018	3.54	3.43
	Left side		0.368	0.392	0.286	0.001	0.76	0.66
	Right side	2.287	0.368	0.392	0.286	0.002	3.05	2.94
	Top side		0.368	0.392	0.286	0.001	0.76	0.66
FR1 n41 HPUE Ant 3	Bottom side	2.251				0.001	2.25	2.25
	Front	2.741	0.368	0.392	0.286	0.001	3.50	3.40
	Back	0.983	0.368	0.392	0.286	0.018	1.76	1.66
	Left side		0.368	0.392	0.286	0.001	0.76	0.66
	Right side		0.368	0.392	0.286	0.002	0.76	0.66
FR1 n41 HPUE Ant 4	Top side	2.515	0.368	0.392	0.286	0.001	3.28	3.17
	Bottom side					0.001	0.00	0.00
	Front	0.764	0.368	0.392	0.286	0.001	1.53	1.42
	Back	1.189	0.368	0.392	0.286	0.018	1.97	1.86
	Left side	2.718	0.368	0.392	0.286	0.001	3.48	3.37
FR1 n41 HPUE Ant 4	Right side		0.368	0.392	0.286	0.002	0.76	0.66
	Top side		0.368	0.392	0.286	0.001	0.76	0.66
	Bottom side					0.001	0.00	0.00
FR1 n41 HPUE Ant 4	Front	2.180	0.368	0.392	0.286	0.001	2.94	2.84
	Back	1.367	0.368	0.392	0.286	0.018	2.15	2.04
	Left side		0.368	0.392	0.286	0.001	0.76	0.66



	Right side	0.667	0.368	0.392	0.286	0.002	1.43	1.32
	Top side	2.729	0.368	0.392	0.286	0.001	3.49	3.38
	Bottom side					0.001	0.00	0.00
FR1 n77 Par27O HPUE Ant 2	Front	0.908	0.368	0.392	0.286	0.001	1.67	1.56
	Back	0.462	0.368	0.392	0.286	0.018	1.24	1.13
	Left side	2.529	0.368	0.392	0.286	0.001	3.29	3.18
	Right side		0.368	0.392	0.286	0.002	0.76	0.66
	Top side		0.368	0.392	0.286	0.001	0.76	0.66
	Bottom side					0.001	0.00	0.00
FR1 n77 Par27Q HPUE Ant 2	Front	1.413	0.368	0.392	0.286	0.001	2.17	2.07
	Back	0.729	0.368	0.392	0.286	0.018	1.51	1.40
	Left side	2.710	0.368	0.392	0.286	0.001	3.47	3.37
	Right side		0.368	0.392	0.286	0.002	0.76	0.66
	Top side		0.368	0.392	0.286	0.001	0.76	0.66
	Bottom side					0.001	0.00	0.00
FR1 n77 Par27O HPUE Ant 5	Front	2.383	0.368	0.392	0.286	0.001	3.14	3.04
	Back	0.841	0.368	0.392	0.286	0.018	1.62	1.51
	Left side		0.368	0.392	0.286	0.001	0.76	0.66
	Right side	0.614	0.368	0.392	0.286	0.002	1.38	1.27
	Top side	1.422	0.368	0.392	0.286	0.001	2.18	2.08
	Bottom side					0.001	0.00	0.00
FR1 n77 Par27Q HPUE Ant 5	Front	2.078	0.368	0.392	0.286	0.001	2.84	2.73
	Back	0.544	0.368	0.392	0.286	0.018	1.32	1.22
	Left side		0.368	0.392	0.286	0.001	0.76	0.66
	Right side		0.368	0.392	0.286	0.002	0.76	0.66
	Top side	2.723	0.368	0.392	0.286	0.001	3.48	3.38
	Bottom side					0.001	0.00	0.00
FR1 n77 Par27O HPUE Ant 3	Front	2.532	0.368	0.392	0.286	0.001	3.29	3.19
	Back	0.987	0.368	0.392	0.286	0.018	1.77	1.66
	Left side	2.570	0.368	0.392	0.286	0.001	3.33	3.23
	Right side		0.368	0.392	0.286	0.002	0.76	0.66
	Top side		0.368	0.392	0.286	0.001	0.76	0.66
	Bottom side					0.001	0.00	0.00
FR1 n77 Par27Q HPUE Ant 3	Front		0.368	0.392	0.286	0.001	0.76	0.66
	Back		0.368	0.392	0.286	0.018	0.78	0.67
	Left side	2.751	0.368	0.392	0.286	0.001	3.51	3.41
	Right side		0.368	0.392	0.286	0.002	0.76	0.66
	Top side		0.368	0.392	0.286	0.001	0.76	0.66
	Bottom side					0.001	0.00	0.00
FR1 n77 Par27O HPUE Ant 7	Front		0.368	0.392	0.286	0.001	0.76	0.66
	Back	1.848	0.368	0.392	0.286	0.018	2.63	2.52
	Left side		0.368	0.392	0.286	0.001	0.76	0.66
	Right side		0.368	0.392	0.286	0.002	0.76	0.66
	Top side		0.368	0.392	0.286	0.001	0.76	0.66
	Bottom side					0.001	0.00	0.00
FR1 n77 Par27Q HPUE Ant 7	Front		0.368	0.392	0.286	0.001	0.76	0.66
	Back	2.746	0.368	0.392	0.286	0.018	3.52	3.42
	Left side		0.368	0.392	0.286	0.001	0.76	0.66
	Right side		0.368	0.392	0.286	0.002	0.76	0.66
	Top side		0.368	0.392	0.286	0.001	0.76	0.66
	Bottom side					0.001	0.00	0.00
LTE Band 66 Ant 0	Front	2.258	0.368	0.392	0.286	0.001	3.02	2.91
	Back	2.719	0.368	0.392	0.286	0.018	3.50	3.39
	Left side		0.368	0.392	0.286	0.001	0.76	0.66
	Right side		0.368	0.392	0.286	0.002	0.76	0.66
	Top side		0.368	0.392	0.286	0.001	0.76	0.66

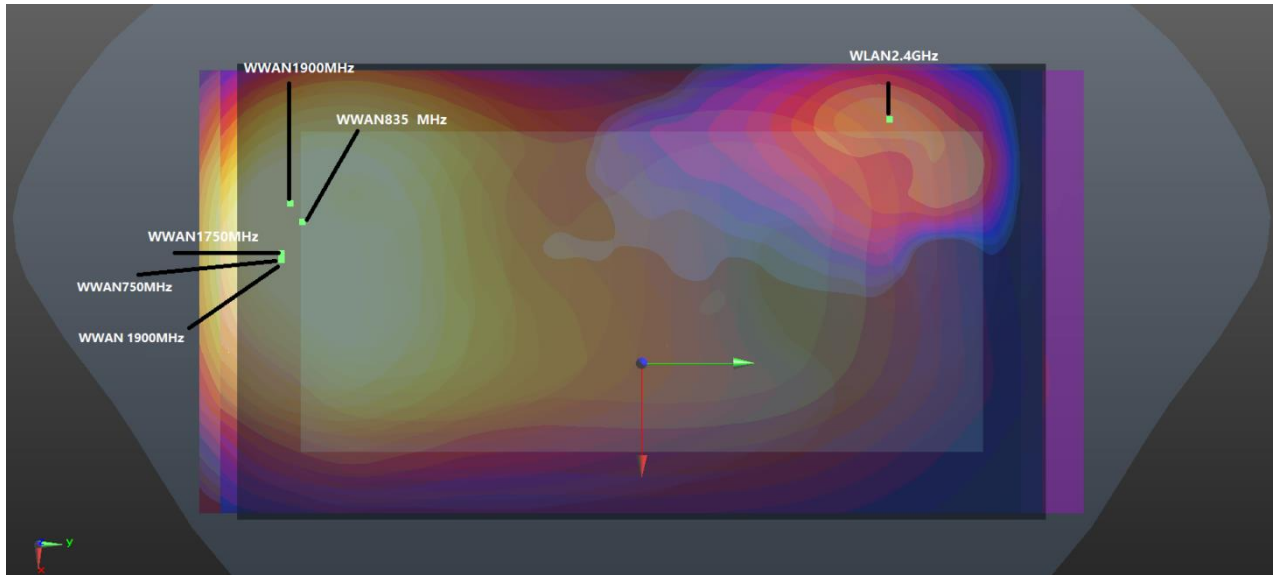


	Bottom side	2.420				0.001	2.42	2.42
LTE Band 66 Ant 1	Front	2.418	0.368	0.392	0.286	0.001	3.18	3.07
	Back	1.274	0.368	0.392	0.286	0.018	2.05	1.95
	Left side	1.305	0.368	0.392	0.286	0.001	2.07	1.96
	Right side		0.368	0.392	0.286	0.002	0.76	0.66
	Top side	2.731	0.368	0.392	0.286	0.001	3.49	3.39
	Bottom side					0.001	0.00	0.00
LTE Band 41 Ant 0	Front		0.368	0.392	0.286	0.001	0.76	0.66
	Back		0.368	0.392	0.286	0.018	0.78	0.67
	Left side		0.368	0.392	0.286	0.001	0.76	0.66
	Right side		0.368	0.392	0.286	0.002	0.76	0.66
	Top side		0.368	0.392	0.286	0.001	0.76	0.66
	Bottom side	1.590				0.001	1.59	1.59
LTE Band 41 Ant 1	Front	2.171	0.368	0.392	0.286	0.001	2.93	2.83
	Back	0.776	0.368	0.392	0.286	0.018	1.55	1.45
	Left side		0.368	0.392	0.286	0.001	0.76	0.66
	Right side		0.368	0.392	0.286	0.002	0.76	0.66
	Top side	1.767	0.368	0.392	0.286	0.001	2.53	2.42
	Bottom side					0.001	0.00	0.00
LTE Band 42 Ant 2	Front		0.368	0.392	0.286	0.001	0.76	0.66
	Back	0.814	0.368	0.392	0.286	0.018	1.59	1.49
	Left side	2.643	0.368	0.392	0.286	0.001	3.40	3.30
	Right side		0.368	0.392	0.286	0.002	0.76	0.66
	Top side		0.368	0.392	0.286	0.001	0.76	0.66
	Bottom side					0.001	0.00	0.00
LTE Band 48 Ant 2	Front		0.368	0.392	0.286	0.001	0.76	0.66
	Back	0.691	0.368	0.392	0.286	0.018	1.47	1.36
	Left side	2.454	0.368	0.392	0.286	0.001	3.22	3.11
	Right side		0.368	0.392	0.286	0.002	0.76	0.66
	Top side		0.368	0.392	0.286	0.001	0.76	0.66
	Bottom side					0.001	0.00	0.00

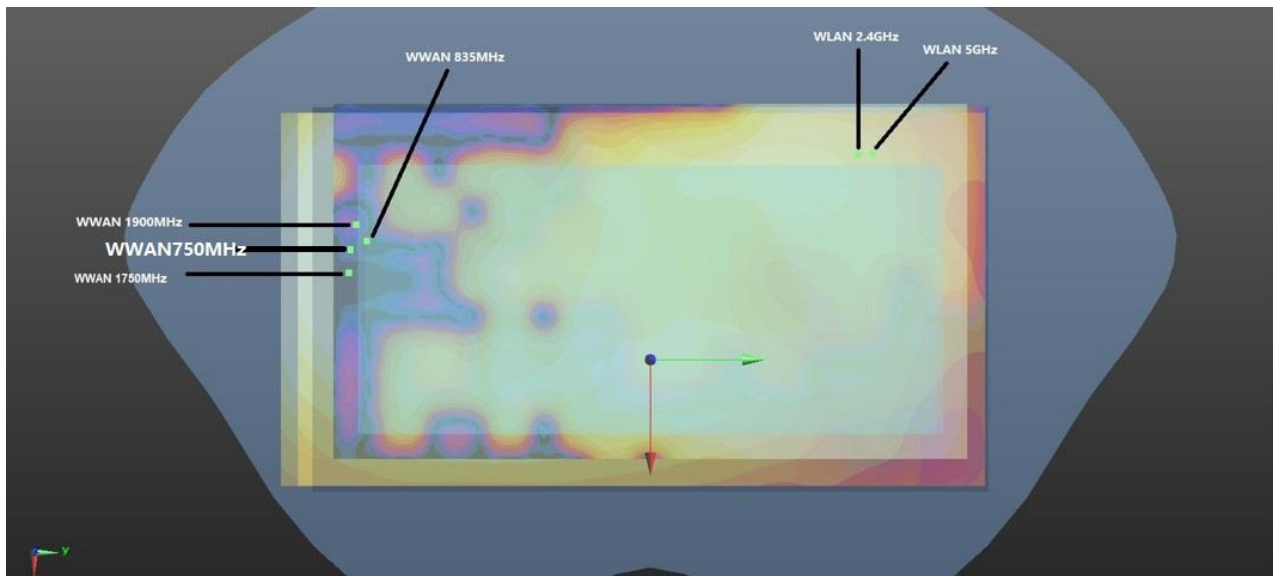
17.6 SPLSR Evaluation and Analysis

General Note:

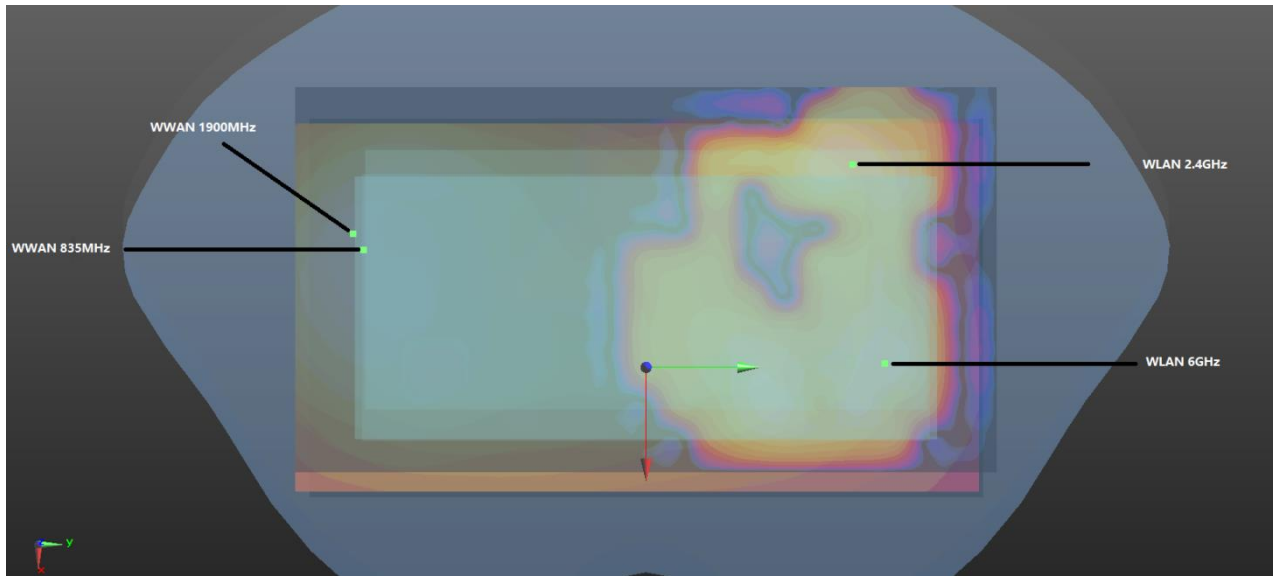
1. When standalone SAR is measured for both antennas in the pair, the peak location separation distance is computed by the square root of $[(x1-x2)^2 + (y1-y2)^2 + (z1-z2)^2]$, where $(x1, y1, z1)$ and $(x2, y2, z2)$ are the coordinates in the area scans or extrapolated peak SAR locations in the zoom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



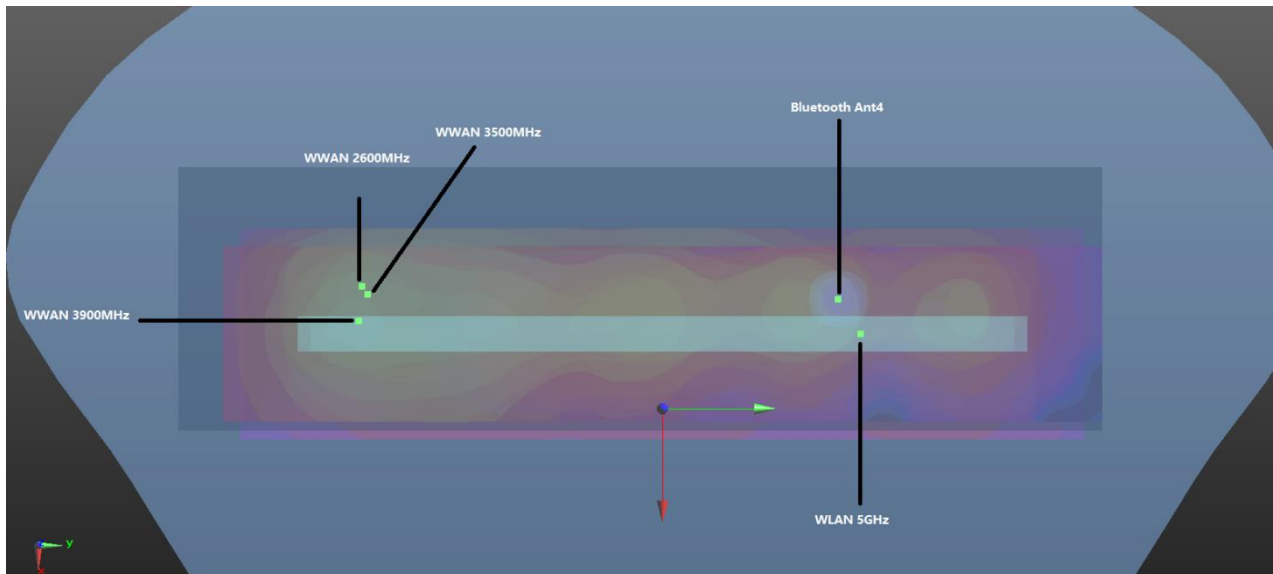
WWAN+2.4G Back 5mm



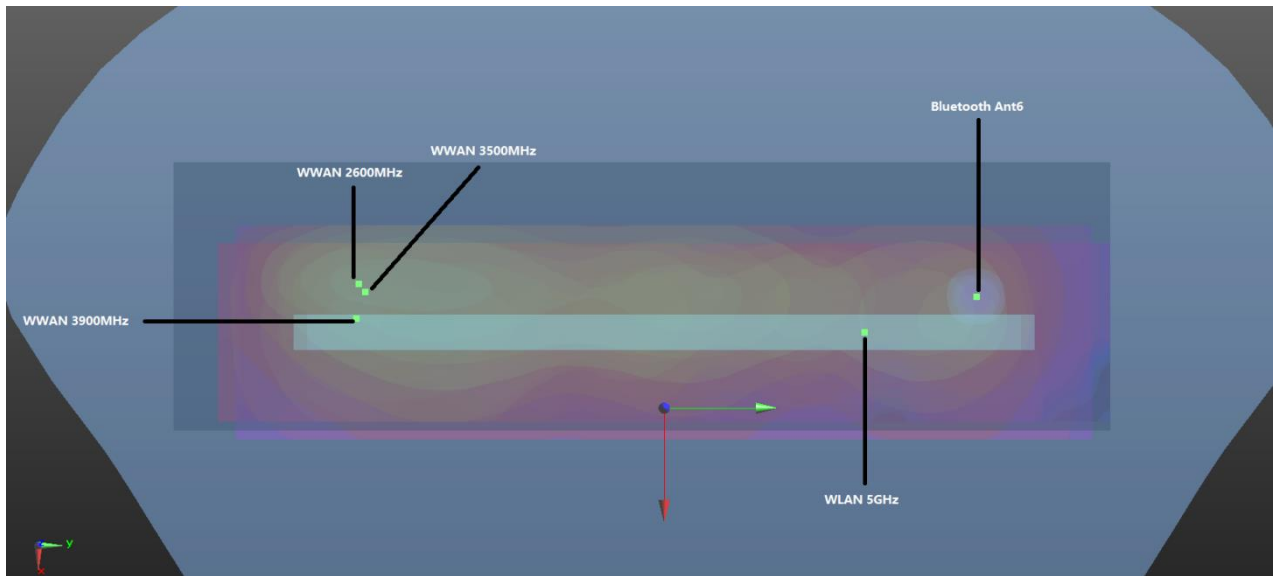
WWAN+2.4G+5G Back 5mm



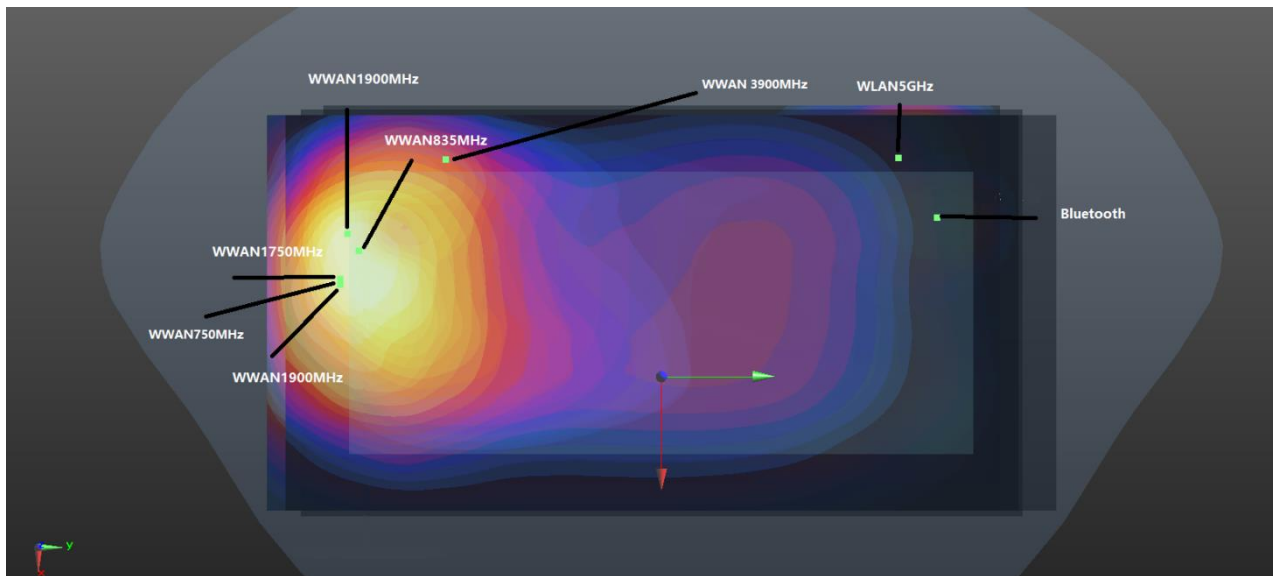
WWAN+2.4G+6G Back 5mm



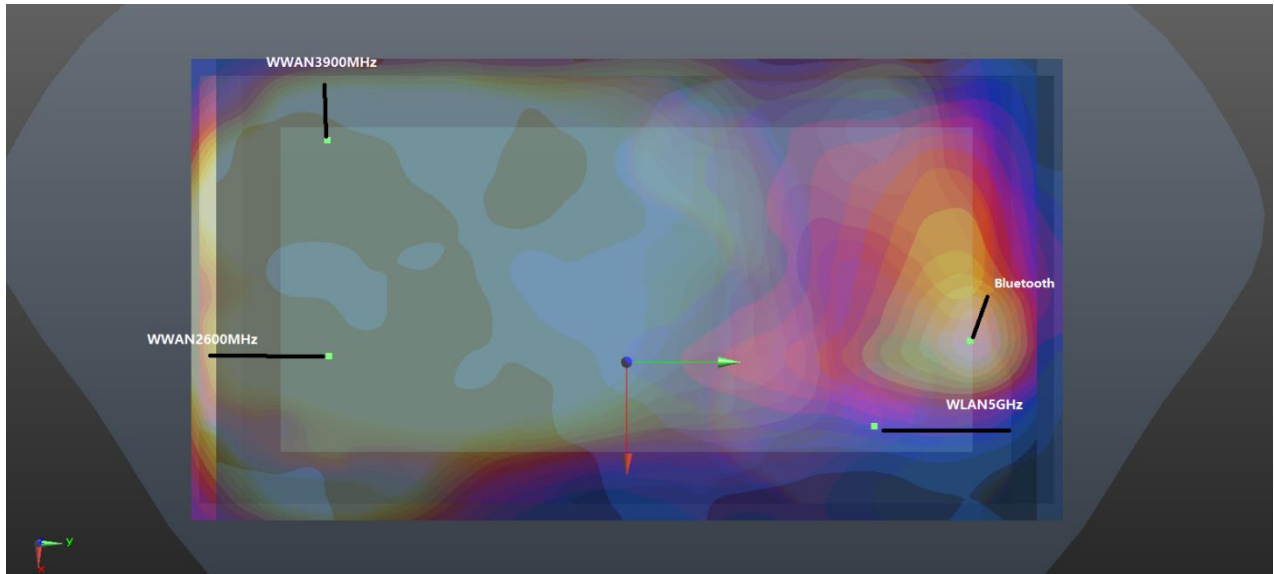
WWAN+5G+Bluetooth Ant4 Left Side 5mm



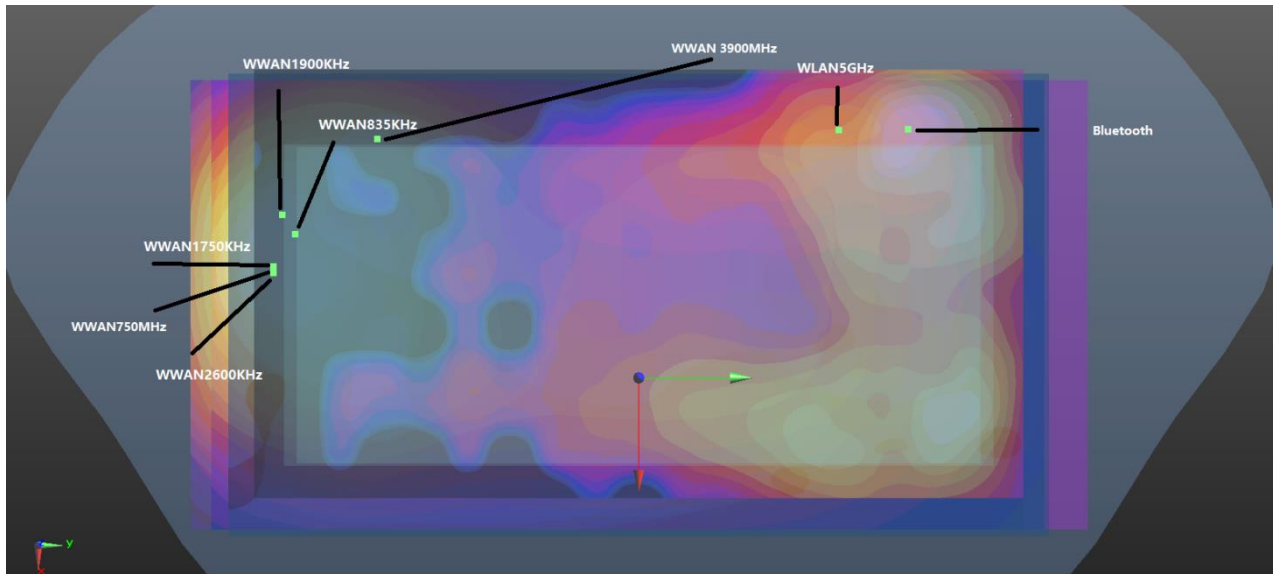
WWAN+5G+Bluetooth Ant6 Left Side 5mm



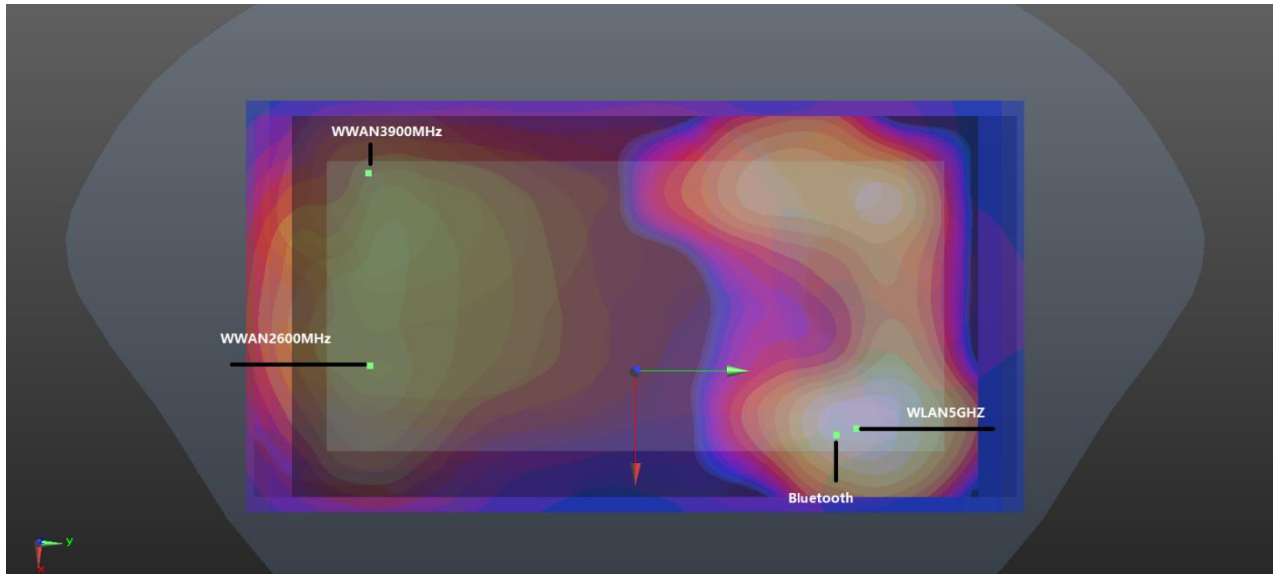
WWAN+Bluetooth Ant4+5G Back 5mm



WWAN+Bluetooth Ant4+5G Front 5mm



WWAN+Bluetooth Ant6+5G Back 5mm



WWAN+Bluetooth Ant6+5G Front 5mm

For Hotspot

Case	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 56	GSM850 Ant 0	Back	1.276	5	-14.9	-83.7	0.93	149.7	1.58	0.01	Not required
	WALN5GHz Ant 2+6		0.306	5	-40.2	63.8	0.91				
	GSM850 Ant 0	Back	1.276	5	-14.9	-83.7	0.93	161.2	1.44	0.01	Not required
	Bluetooth Ant 4		0.159	5	-24.2	77.2	0.82				
	WALN5GHz Ant 2+6	Back	0.306	5	-40.2	63.8	0.91	20.9	0.47	0.02	Not required
	Bluetooth Ant 4		0.159	5	-24.2	77.2	0.82				
Case 57	WCDMA V Ant 0	Back	1.208	5	-13.5	-79.8	1.1	146.1	1.51	0.01	Not required
	WALN5GHz Ant 2+6		0.306	5	-40.2	63.8	0.91				
	WCDMA V Ant 0	Back	1.208	5	-13.5	-79.8	1.1	157.4	1.37	0.01	Not required
	Bluetooth Ant 4		0.159	5	-24.2	77.2	0.82				
	WALN5GHz Ant 2+6	Back	0.306	5	-40.2	63.8	0.91	20.9	0.47	0.02	Not required
	Bluetooth Ant 4		0.159	5	-24.2	77.2	0.82				
Case 58	LTE Band 26 Ant 0	Back	1.14	5	-9.1	-78.4	1.09	145.6	1.45	0.01	Not required
	WALN5GHz Ant 2+6		0.306	5	-40.2	63.8	0.91				
	LTE Band 26 Ant 0	Back	1.14	5	-9.1	-78.4	1.09	156.3	1.30	0.01	Not required
	Bluetooth Ant 4		0.159	5	-24.2	77.2	0.82				
	WALN5GHz Ant 2+6	Back	0.306	5	-40.2	63.8	0.91	20.9	0.47	0.02	Not required
	Bluetooth Ant 4		0.159	5	-24.2	77.2	0.82				
Case 59	FR1 n41 HPUE Ant 3	Left Side	1.221	5	-10.8	-66.4	0.99	116.1	1.59	0.02	Not required
	WALN5GHz Ant 2+6		0.373	5	0.8	49	-3.65				
	FR1 n41 HPUE Ant 3	Left Side	1.221	5	-10.8	-66.4	0.99	102.0	1.22	0.01	Not required
	Bluetooth Ant 4		0.002	5	-1.6	35.2	0.76				
	WALN5GHz Ant 2+6	Left Side	0.373	5	0.8	49	-3.65	14.7	0.38	0.02	Not required
	Bluetooth Ant 4		0.002	5	-1.6	35.2	0.76				
Case 60	FR1 n77 Par270 HPUE Ant 3	Left Side	1.235	5	-3	-70.6	1.01	119.8	1.61	0.02	Not required



Case	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				
	WALN5GHz Ant 2+6		0.373	5	0.8	49	-3.65				
	FR1 n77 Par270 HPUE Ant 3	Left Side	1.235	5	-3	-70.6	1.01	105.8	1.24	0.01	Not required
	Bluetooth Ant 4		0.002	5	-1.6	35.2	0.76				
	WALN5GHz Ant 2+6	Left Side	0.373	5	0.8	49	-3.65	14.7	0.38	0.02	Not required
Bluetooth Ant 4	0.002		5	-1.6	35.2	0.76					
Case 61	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
	FR1 n77 Par270 HPUE Ant 3	Left Side	1.253	5	-9	-66.2	0.92	115.7	1.63	0.02	Not required
	WALN5GHz Ant 2+6		0.373	5	0.8	49	-3.65				
	FR1 n77 Par270 HPUE Ant 3	Left Side	1.253	5	-9	-66.2	0.92	101.7	1.26	0.01	Not required
	Bluetooth Ant 4		0.002	5	-1.6	35.2	0.76				
	WALN5GHz Ant 2+6	Left Side	0.373	5	0.8	49	-3.65	14.7	0.38	0.02	Not required
Bluetooth Ant 4	0.002		5	-1.6	35.2	0.76					
Case 70	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
	GSM850 Ant 0	Back	1.276	5	-14.9	-83.7	0.93	149.7	1.58	0.01	Not required
	WALN5GHz Ant 2+6		0.306	5	-40.2	63.8	0.91				
	GSM850 Ant 0	Back	1.276	5	-14.9	-83.7	0.93	134.2	1.38	0.01	Not required
	Bluetooth Ant 6		0.105	5	-41.8	47.8	1.13				
	WALN5GHz Ant 2+6	Back	0.306	5	-40.2	63.8	0.91	16.1	0.41	0.02	Not required
Bluetooth Ant 6	0.105		5	-41.8	47.8	1.13					
Case 71	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
	WCDMA V Ant 0	Back	1.208	5	-13.5	-79.8	1.1	146.1	1.51	0.01	Not required
	WALN5GHz Ant 2+6		0.306	5	-40.2	63.8	0.91				
	WCDMA V Ant 0	Back	1.208	5	-13.5	-79.8	1.1	130.7	1.31	0.01	Not required
	Bluetooth Ant 6		0.105	5	-41.8	47.8	1.13				
	WALN5GHz Ant 2+6	Back	0.306	5	-40.2	63.8	0.91	16.1	0.41	0.02	Not required
Bluetooth Ant 6	0.105		5	-41.8	47.8	1.13					
Case 72	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
	FR1 n41 HPUE Ant 3	Left Side	1.221	5	-10.8	-66.4	0.99	116.1	1.59	0.02	Not required
	WALN5GHz Ant 2+6		0.373	5	0.8	49	-3.65				
	FR1 n41 HPUE Ant 3	Left Side	1.221	5	-10.8	-66.4	0.99	141.6	1.22	0.01	Not required
	Bluetooth Ant 6		0.001	5	-0.8	74.8	0.79				
	WALN5GHz Ant 2+6	Left Side	0.373	5	0.8	49	-3.65	26.2	0.37	0.01	Not required
Bluetooth Ant 6	0.001		5	-0.8	74.8	0.79					
Case 73	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
	FR1 n77 Par270 HPUE Ant 3	Left Side	1.235	5	-3	-70.6	1.01	119.8	1.61	0.02	Not required
	WALN5GHz Ant 2+6		0.373	5	0.8	49	-3.65				
	FR1 n77 Par270 HPUE Ant 3	Left Side	1.235	5	-3	-70.6	1.01	145.4	1.24	0.01	Not required
	Bluetooth Ant 6		0.001	5	-0.8	74.8	0.79				
	WALN5GHz Ant 2+6	Left Side	0.373	5	0.8	49	-3.65	26.2	0.37	0.01	Not required
Bluetooth Ant 6	0.001		5	-0.8	74.8	0.79					
Case 74	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
	FR1 n77 Par270 HPUE Ant 3	Left Side	1.253	5	-9	-66.2	0.92	115.7	1.63	0.02	Not required
	WALN5GHz Ant 2+6		0.373	5	0.8	49	-3.65				
	FR1 n77 Par270 HPUE Ant 3	Left Side	1.253	5	-9	-66.2	0.92	141.2	1.25	0.01	Not required
	Bluetooth Ant 6		0.001	5	-0.8	74.8	0.79				
	WALN5GHz Ant 2+6	Left Side	0.373	5	0.8	49	-3.65	26.2	0.37	0.01	Not required
Bluetooth Ant 6	0.001		5	-0.8	74.8	0.79					



For Body

Case	Band	Position	SAR (W/kg)	Gap	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
				(mm)	X	Y	Z				
Case 1	GSM850 Ant 0	Back	1.276	5	-14.9	-83.7	0.93	142.1	1.67	0.02	Not required
	WLAN 2.4GHz Ant 4+6		0.398	5	-41.8	55.8	0.97				
Case 2	GSM850 Ant 0	Back	1.276	5	-14.9	-83.7	0.93	149.7	1.63	0.01	Not required
	WALN5GHz Ant 2+6		0.351	5	-40.2	63.8	0.91				
	GSM850 Ant 0	Back	1.276	5	-14.9	-83.7	0.93	161.2	1.44	0.01	Not required
	Bluetooth Ant 4		0.159	5	-24.2	77.2	0.82				
	WALN5GHz Ant 2+6		0.351	5	-40.2	63.8	0.91				
	Bluetooth Ant 4		0.159	5	-24.2	77.2	0.82				
							20.9	0.51	0.02	Not required	
Case 3	GSM850 Ant 0	Back	1.276	5	-14.9	-83.7	0.93	149.7	1.63	0.01	Not required
	WALN5GHz Ant 2+6		0.351	5	-40.2	63.8	0.91				
	GSM850 Ant 0	Back	1.276	5	-14.9	-83.7	0.93	134.2	1.38	0.01	Not required
	Bluetooth Ant 6		0.105	5	-41.8	47.8	1.13				
	WALN5GHz Ant 2+6		0.351	5	-40.2	63.8	0.91				
	Bluetooth Ant 6		0.105	5	-41.8	47.8	1.13				
							16.1	0.46	0.02	Not required	
Case 4	GSM1900 Ant 0	Back	1.281	5	-13	-80.3	1.05	139.1	1.68	0.02	Not required
	WLAN 2.4GHz Ant 4+6		0.398	5	-41.8	55.8	0.97				
Case 5	GSM1900 Ant 0	Back	1.281	5	-13	-80.3	1.05	146.6	1.63	0.01	Not required
	WALN5GHz Ant 2+6		0.351	5	-40.2	63.8	0.91				
	GSM1900 Ant 0	Back	1.281	5	-13	-80.3	1.05	157.9	1.44	0.01	Not required
	Bluetooth Ant 4		0.159	5	-24.2	77.2	0.82				
	WALN5GHz Ant 2+6		0.351	5	-40.2	63.8	0.91				
	Bluetooth Ant 4		0.159	5	-24.2	77.2	0.82				
							20.9	0.51	0.02	Not required	
Case 6	GSM1900 Ant 0	Back	1.281	5	-13	-80.3	1.05	146.6	1.63	0.01	Not required
	WALN5GHz Ant 2+6		0.351	5	-40.2	63.8	0.91				
	GSM1900 Ant 0	Back	1.281	5	-13	-80.3	1.05	131.3	1.39	0.01	Not required
	Bluetooth Ant 6		0.105	5	-41.8	47.8	1.13				
	WALN5GHz Ant 2+6		0.351	5	-40.2	63.8	0.91				
	Bluetooth Ant 6		0.105	5	-41.8	47.8	1.13				
							16.1	0.46	0.02	Not required	
Case 7	WCDMA II Ant 0	Back	1.246	5	-10.8	-82.9	1.07	142.1	1.64	0.01	Not required
	WLAN 2.4GHz Ant 4+6		0.398	5	-41.8	55.8	0.97				
Case 8	WCDMA II Ant 0	Back	1.246	5	-10.8	-82.9	1.07	149.6	1.60	0.01	Not required
	WALN5GHz Ant 2+6		0.351	5	-40.2	63.8	0.91				
	WCDMA II Ant 0	Back	1.246	5	-10.8	-82.9	1.07	160.7	1.41	0.01	Not required
	Bluetooth Ant 4		0.159	5	-24.2	77.2	0.82				
	WALN5GHz Ant 2+6		0.351	5	-40.2	63.8	0.91				
	Bluetooth Ant 4		0.159	5	-24.2	77.2	0.82				
							20.9	0.51	0.02	Not required	
Case 9											



Case	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 9	WCDMA II Ant 0	Back	1.246	5	-10.8	-82.9	1.07	149.6	1.60	0.01	Not required
	WALN5GHz Ant 2+6		0.351	5	-40.2	63.8	0.91				
	WCDMA II Ant 0	Back	1.246	5	-10.8	-82.9	1.07	134.3	1.35	0.01	Not required
	Bluetooth Ant 6		0.105	5	-41.8	47.8	1.13				
	WALN5GHz Ant 2+6		0.351	5	-40.2	63.8	0.91				
	Bluetooth Ant 6		0.105	5	-41.8	47.8	1.13				
Case 10	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
	WCDMA IV Ant 0	Back	1.258	5	-12.3	-85.5	1.1	144.3	1.66	0.01	Not required
	WLAN 2.4GHz Ant 4+6		0.398	5	-41.8	55.8	0.97				
Case 11	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
	WCDMA IV Ant 0	Back	1.258	5	-12.3	-85.5	1.1	151.9	1.61	0.01	Not required
	WALN5GHz Ant 2+6		0.351	5	-40.2	63.8	0.91				
	WCDMA IV Ant 0	Back	1.258	5	-12.3	-85.5	1.1	163.1	1.42	0.01	Not required
	Bluetooth Ant 4		0.159	5	-24.2	77.2	0.82				
	WALN5GHz Ant 2+6	Back	0.351	5	-40.2	63.8	0.91	20.9	0.51	0.02	Not required
	Bluetooth Ant 4		0.159	5	-24.2	77.2	0.82				
Case 12	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
	WCDMA IV Ant 0	Back	1.258	5	-12.3	-85.5	1.1	151.9	1.61	0.01	Not required
	WALN5GHz Ant 2+6		0.351	5	-40.2	63.8	0.91				
	WCDMA IV Ant 0	Back	1.258	5	-12.3	-85.5	1.1	136.5	1.36	0.01	Not required
	Bluetooth Ant 6		0.105	5	-41.8	47.8	1.13				
	WALN5GHz Ant 2+6	Back	0.351	5	-40.2	63.8	0.91	16.1	0.46	0.02	Not required
Bluetooth Ant 6	0.105		5	-41.8	47.8	1.13					
Case 13	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
	WCDMA V Ant 0	Back	1.208	5	-13.5	-79.8	1.1	138.5	1.61	0.01	Not required
	WLAN 2.4GHz Ant 4+6		0.398	5	-41.8	55.8	0.97				
Case 14	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
	WCDMA V Ant 0	Back	1.208	5	-13.5	-79.8	1.1	146.1	1.56	0.01	Not required
	WALN5GHz Ant 2+6		0.351	5	-40.2	63.8	0.91				
	WCDMA V Ant 0	Back	1.208	5	-13.5	-79.8	1.1	157.4	1.37	0.01	Not required
	Bluetooth Ant 4		0.159	5	-24.2	77.2	0.82				
	WALN5GHz Ant 2+6	Back	0.351	5	-40.2	63.8	0.91	20.9	0.51	0.02	Not required
Bluetooth Ant 4	0.159		5	-24.2	77.2	0.82					
Case 15	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
	WCDMA V Ant 0	Back	1.208	5	-13.5	-79.8	1.1	146.1	1.56	0.01	Not required
	WALN5GHz Ant 2+6		0.351	5	-40.2	63.8	0.91				
	WCDMA V Ant 0	Back	1.208	5	-13.5	-79.8	1.1	130.7	1.31	0.01	Not required
	Bluetooth Ant 6		0.105	5	-41.8	47.8	1.13				
	WALN5GHz Ant 2+6	Back	0.351	5	-40.2	63.8	0.91	16.1	0.46	0.02	Not required
Bluetooth Ant 6	0.105		5	-41.8	47.8	1.13					
Case 19	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
	LTE Band 7 Ant 0	Back	1.195	5	-1.2	-75.4	1.07	144.6	1.55	0.01	Not required
	WALN5GHz Ant 2+6		0.351	5	-40.2	63.8	0.91				
	LTE Band 7 Ant 0	Back	1.195	5	-1.2	-75.4	1.07	154.3	1.35	0.01	Not required
	Bluetooth Ant 4		0.159	5	-24.2	77.2	0.82				
	WALN5GHz Ant 2+6	Back	0.351	5	-40.2	63.8	0.91	20.9	0.51	0.02	Not required
Bluetooth Ant 4	0.159		5	-24.2	77.2	0.82					
Case 20	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR



Case	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 7 Ant 0	Back	1.195	5	-1.2	-75.4	1.07	144.6	1.55	0.01	Not required
	WALN5GHz Ant 2+6		0.351	5	-40.2	63.8	0.91				
	LTE Band 7 Ant 0	Back	1.195	5	-1.2	-75.4	1.07	129.7	1.30	0.01	Not required
	Bluetooth Ant 6		0.105	5	-41.8	47.8	1.13				
	WALN5GHz Ant 2+6		0.351	5	-40.2	63.8	0.91				
	Bluetooth Ant 6		0.105	5	-41.8	47.8	1.13				
Case 21	LTE Band 25 Ant 0	Back	1.277	5	-10.7	-78.2	1.07	137.6	1.68	0.02	Not required
	WLAN 2.4GHz Ant 4+6		0.398	5	-41.8	55.8	0.97				
	WLAN 2.4GHz Ant 4+6	0.398	5	-41.8	55.8	0.97					
Case 22	LTE Band 25 Ant 0	Back	1.277	5	-10.7	-78.2	1.07	145.0	1.63	0.01	Not required
	WALN5GHz Ant 2+6		0.351	5	-40.2	63.8	0.91				
	LTE Band 25 Ant 0	Back	1.277	5	-10.7	-78.2	1.07	156.0	1.44	0.01	Not required
	Bluetooth Ant 4		0.159	5	-24.2	77.2	0.82				
	WALN5GHz Ant 2+6		0.351	5	-40.2	63.8	0.91				
	Bluetooth Ant 4		0.159	5	-24.2	77.2	0.82				
Case 23	LTE Band 25 Ant 0	Back	1.277	5	-10.7	-78.2	1.07	145.0	1.63	0.01	Not required
	WALN5GHz Ant 2+6		0.351	5	-40.2	63.8	0.91				
	LTE Band 25 Ant 0	Back	1.277	5	-10.7	-78.2	1.07	129.8	1.38	0.01	Not required
	Bluetooth Ant 6		0.105	5	-41.8	47.8	1.13				
	WALN5GHz Ant 2+6		0.351	5	-40.2	63.8	0.91				
	Bluetooth Ant 6		0.105	5	-41.8	47.8	1.13				
Case 24	LTE Band 12 Ant 0	Back	1.085	5	-15.3	-82.4	0.91	148.3	1.44	0.01	Not required
	WALN5GHz Ant 2+6		0.351	5	-40.2	63.8	0.91				
	LTE Band 12 Ant 0	Back	1.085	5	-15.3	-82.4	0.91	159.8	1.24	0.01	Not required
	Bluetooth Ant 4		0.159	5	-24.2	77.2	0.82				
	WALN5GHz Ant 2+6		0.351	5	-40.2	63.8	0.91				
	Bluetooth Ant 4		0.159	5	-24.2	77.2	0.82				
Case 25	LTE Band 26 Ant 0	Back	1.129	5	-9.1	-78.4	1.09	145.6	1.48	0.01	Not required
	WALN5GHz Ant 2+6		0.351	5	-40.2	63.8	0.91				
	LTE Band 26 Ant 0	Back	1.129	5	-9.1	-78.4	1.09	156.3	1.29	0.01	Not required
	Bluetooth Ant 4		0.159	5	-24.2	77.2	0.82				
	WALN5GHz Ant 2+6		0.351	5	-40.2	63.8	0.91				
	Bluetooth Ant 4		0.159	5	-24.2	77.2	0.82				
Case 29	LTE Band 41 HPUE Ant 0	Front	1.243	5	11.6	-79.4	1.12	138.0	1.53	0.01	Not required
	WALN5GHz Ant 2+6		0.285	5	36	56.4	-3.04				
	LTE Band 41 HPUE Ant 0	Front	1.243	5	11.6	-79.4	1.12	131.9	1.32	0.01	Not required
	Bluetooth Ant 6		0.077	5	32.6	50.8	1.3				
	WALN5GHz Ant 2+6		0.285	5	36	56.4	-3.04				
	Bluetooth Ant 6		0.077	5	32.6	50.8	1.3				
Case 30	LTE Band 66 Ant 0	Back	1.253	5	-12.3	-81.2	1.09	140.1	1.65	0.02	Not required
	WLAN 2.4GHz Ant 4+6		0.398	5	-41.8	55.8	0.97				



	Band	Position	SAR (W/kg)	Gap	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
				(mm)	X	Y	Z				
Case 31	LTE Band 66 Ant 0	Back	1.253	5	-12.3	-81.2	1.09	147.7	1.60	0.01	Not required
	WALN5GHz Ant 2+6		0.351	5	-40.2	63.8	0.91				
	LTE Band 66 Ant 0	Back	1.253	5	-12.3	-81.2	1.09	158.8	1.41	0.01	Not required
	Bluetooth Ant 4		0.159	5	-24.2	77.2	0.82				
	WALN5GHz Ant 2+6	Back	0.351	5	-40.2	63.8	0.91	20.9	0.51	0.02	Not required
	Bluetooth Ant 4		0.159	5	-24.2	77.2	0.82				
Case 32	LTE Band 66 Ant 0	Back	1.253	5	-12.3	-81.2	1.09	147.7	1.60	0.01	Not required
	WALN5GHz Ant 2+6		0.351	5	-40.2	63.8	0.91				
	LTE Band 66 Ant 0	Back	1.253	5	-12.3	-81.2	1.09	132.3	1.36	0.01	Not required
	Bluetooth Ant 6		0.105	5	-41.8	47.8	1.13				
	WALN5GHz Ant 2+6	Back	0.351	5	-40.2	63.8	0.91	16.1	0.46	0.02	Not required
	Bluetooth Ant 6		0.105	5	-41.8	47.8	1.13				
Case 33	LTE Band 66 Ant 0	Back	1.253	5	-12.3	-81.2	1.09	147.7	1.60	0.01	Not required
	WALN5GHz Ant 2+6		0.351	5	-40.2	63.8	0.91				
	FR1 n2 Ant 0	1.226	5	-16.4	-79.8	0.89	138.0	1.62	0.02	Not required	
WLAN 2.4GHz Ant 4+6	0.398	5	-41.8	55.8	0.97						
Case 34	LTE Band 66 Ant 0	Back	1.253	5	-12.3	-81.2	1.09	147.7	1.60	0.01	Not required
	WALN5GHz Ant 2+6		0.351	5	-40.2	63.8	0.91				
	FR1 n2 Ant 0	Back	1.226	5	-16.4	-79.8	0.89	145.6	1.58	0.01	Not required
	Bluetooth Ant 4		0.159	5	-24.2	77.2	0.82				
	WALN5GHz Ant 2+6	Back	0.351	5	-40.2	63.8	0.91	157.2	1.39	0.01	Not required
	Bluetooth Ant 4		0.159	5	-24.2	77.2	0.82				
FR1 n2 Ant 0	1.226	5	-16.4	-79.8	0.89	20.9	0.51	0.02	Not required		
WLAN 2.4GHz Ant 4+6	0.398	5	-41.8	55.8	0.97						
Case 35	LTE Band 66 Ant 0	Back	1.253	5	-12.3	-81.2	1.09	147.7	1.60	0.01	Not required
	WALN5GHz Ant 2+6		0.351	5	-40.2	63.8	0.91				
	FR1 n2 Ant 0	Back	1.226	5	-16.4	-79.8	0.89	130.1	1.33	0.01	Not required
	Bluetooth Ant 6		0.105	5	-41.8	47.8	1.13				
	WALN5GHz Ant 2+6	Back	0.351	5	-40.2	63.8	0.91	16.1	0.46	0.02	Not required
	Bluetooth Ant 6		0.105	5	-41.8	47.8	1.13				
FR1 n2 Ant 0	1.226	5	-16.4	-79.8	0.89	145.6	1.58	0.01	Not required		
WLAN 2.4GHz Ant 4+6	0.398	5	-41.8	55.8	0.97						
Case 36	LTE Band 66 Ant 0	Back	1.253	5	-12.3	-81.2	1.09	147.7	1.60	0.01	Not required
	WALN5GHz Ant 2+6		0.351	5	-40.2	63.8	0.91				
	GSM1900 Ant 0	Back	1.281	5	-13	-80.3	1.05	131.3	1.39	0.01	Not required
	Bluetooth Ant 6		0.105	5	-41.8	47.8	1.13				
	WALN5GHz Ant 2+6	Back	0.351	5	-40.2	63.8	0.91	16.1	0.46	0.02	Not required
	Bluetooth Ant 6		0.105	5	-41.8	47.8	1.13				
GSM1900 Ant 0	1.281	5	-13	-80.3	1.05	146.6	1.63	0.01	Not required		
WLAN 2.4GHz Ant 4+6	0.398	5	-41.8	55.8	0.97						
Case 37	LTE Band 66 Ant 0	Back	1.253	5	-12.3	-81.2	1.09	147.7	1.60	0.01	Not required
	WALN5GHz Ant 2+6		0.351	5	-40.2	63.8	0.91				
	FR1 n66 Ant 0	1.232	5	-15.3	-81.6	0.95	139.9	1.63	0.01	Not required	
WLAN 2.4GHz Ant 4+6	0.398	5	-41.8	55.8	0.97						
Case 38	LTE Band 66 Ant 0	Back	1.253	5	-12.3	-81.2	1.09	147.7	1.60	0.01	Not required
	WALN5GHz Ant 2+6		0.351	5	-40.2	63.8	0.91				
	FR1 n66 Ant 0	Back	1.232	5	-15.3	-81.6	0.95	159.0	1.39	0.01	Not required
	Bluetooth Ant 4		0.159	5	-24.2	77.2	0.82				
	WALN5GHz Ant 2+6	Back	0.351	5	-40.2	63.8	0.91	20.9	0.51	0.02	Not required



Case	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				
	Bluetooth Ant 4		0.159	5	-24.2	77.2	0.82				
Case 39	FR1 n66 Ant 0	Back	1.232	5	-15.3	-81.6	0.95	147.5	1.58	0.01	Not required
	WALN5GHz Ant 2+6		0.351	5	-40.2	63.8	0.91				
	FR1 n66 Ant 0	Back	1.232	5	-15.3	-81.6	0.95	132.1	1.34	0.01	Not required
	Bluetooth Ant 6		0.105	5	-41.8	47.8	1.13				
	WALN5GHz Ant 2+6	Back	0.351	5	-40.2	63.8	0.91	16.1	0.46	0.02	Not required
	Bluetooth Ant 6		0.105	5	-41.8	47.8	1.13				
Case 45	FR1 n77 Par270 HPUE Ant 3	Front	1.26	5	-34.2	-70.8	1.09	145.3	1.55	0.01	Not required
	WALN5GHz Ant 2+6		0.285	5	36	56.4	-3.04				
	FR1 n77 Par270 HPUE Ant 3	Front	1.258	5	-34.2	-70.8	1.09	160.4	1.32	0.01	Not required
	Bluetooth Ant 4		0.057	5	10	83.4	1.17				
	WALN5GHz Ant 2+6	Front	0.285	5	36	56.4	-3.04	37.7	0.34	0.01	Not required
	Bluetooth Ant 4		0.057	5	10	83.4	1.17				
Case 46	FR1 n77 Par270 HPUE Ant 3	Front	1.26	5	-34.2	-70.8	1.09	145.3	1.55	0.01	Not required
	WALN5GHz Ant 2+6		0.285	5	36	56.4	-3.04				
	FR1 n77 Par270 HPUE Ant 3	Front	1.258	5	-34.2	-70.8	1.09	138.7	1.34	0.01	Not required
	Bluetooth Ant 6		0.077	5	32.6	50.8	1.3				
	WALN5GHz Ant 2+6	Front	0.285	5	36	56.4	-3.04	7.9	0.36	0.03	Not required
	Bluetooth Ant 6		0.077	5	32.6	50.8	1.3				
Case 47	GSM850 Ant 0	Back	1.276	5	-14.9	-83.7	0.93	149.7	1.64	0.01	Not required
	WLAN 2.4GHz Ant 4+6		0.18	5	-40.2	63.8	0.91				
	WALN5GHz Ant 2+6		0.181	5							
Case 48	GSM1900 Ant 0	Back	1.281	5	-13	-80.3	1.05	146.6	1.64	0.01	Not required
	WLAN 2.4GHz Ant 4+6		0.18	5	-40.2	63.8	0.91				
	WALN5GHz Ant 2+6		0.181	5							
Case 49	WCDMA II Ant 0	Back	1.246	5	-10.8	-82.9	1.07	149.6	1.61	0.01	Not required
	WLAN 2.4GHz Ant 4+6		0.18	5	-40.2	63.8	0.91				
	WALN5GHz Ant 2+6		0.181	5							
Case 50	WCDMA IV Ant 0	Back	1.258	5	-12.3	-85.5	1.1	151.9	1.62	0.01	Not required
	WLAN 2.4GHz Ant 4+6		0.18	5	-40.2	63.8	0.91				
	WALN5GHz Ant 2+6		0.181	5							
Case 51	LTE Band 25 Ant 0	Back	1.277	5	-10.7	-78.2	1.07	145.0	1.64	0.01	Not required
	WLAN 2.4GHz Ant 4+6		0.18	5	-40.2	63.8	0.91				
	WALN5GHz Ant 2+6		0.181	5							
Case 54	LTE Band 66 Ant 0	Back	1.253	5	-12.3	-81.2	1.09	147.7	1.61	0.01	Not required
	WLAN 2.4GHz Ant 4+6		0.18	5	-40.2	63.8	0.91				
	WALN5GHz Ant 2+6		0.181	5							



	Band	Position	SAR (W/kg)	Gap	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
				(mm)	X	Y	Z				
Case 67	GSM850 Ant 0	Back	1.276	5	-14.9	-83.7	0.93	142.1	1.46	0.01	Not required
	WLAN2.4GHz Ant 4+6		0.18	5	-41.8	55.8	0.97				
	GSM850 Ant 0	Back	1.276	5	-14.9	-83.7	0.93	154.1	1.43	0.01	Not required
	WALN6GHz Ant 2+6		0.155	5	29	64	1.03				
	WLAN2.4GHz Ant 4+6	Back	0.18	5	-41.8	55.8	0.97	71.3	0.34	0.00	Not required
	WALN6GHz Ant 2+6		0.155	5	29	64	1.03				
Case 68	GSM1900 Ant 0	Back	1.281	5	-13	-80.3	1.05	139.1	1.46	0.01	Not required
	WLAN2.4GHz Ant 4+6		0.18	5	-41.8	55.8	0.97				
	GSM1900 Ant 0	Back	1.281	5	-13	-80.3	1.05	150.3	1.44	0.01	Not required
	WALN6GHz Ant 2+6		0.155	5	29	64	1.03				
	WLAN2.4GHz Ant 4+6	Back	0.18	5	-41.8	55.8	0.97	71.3	0.34	0.00	Not required
	WALN6GHz Ant 2+6		0.155	5	29	64	1.03				
Case 69	LTE Band 25 Ant 0	Back	1.277	5	-10.7	-78.2	1.07	137.6	1.46	0.01	Not required
	WLAN2.4GHz Ant 4+6		0.18	5	-41.8	55.8	0.97				
	LTE Band 25 Ant 0	Back	1.277	5	-10.7	-78.2	1.07	147.6	1.43	0.01	Not required
	WALN6GHz Ant 2+6		0.155	5	29	64	1.03				
	WLAN2.4GHz Ant 4+6	Back	0.18	5	-41.8	55.8	0.97	71.3	0.34	0.00	Not required
	WALN6GHz Ant 2+6		0.155	5	29	64	1.03				

18. Supplemental tuner tests results

General Note:

1. This device impedance tuner (239 status) antenna tuning techniques in the WCDMA IV/V, LTE Band 4/5/7/12/13 /17/26/66, 5GNR n5/n7 /n66 for ANT0.
2. This device impedance tuner (206 status) antenna tuning techniques in the WCDMA II/IV/V, LTE Band 2/4/5/7/12 /13/17/ 25/26/38/41/66, 5GNR n2/n5/n7/n41/n66 for ANT1.
3. LTE B38 / B2 / B4 / B5 / B17 SAR test was covered by LTE B41 / B25 / B66 / B26 / B12; according to April 2015 TCB workshop, SAR test for overlapping LTE bands can be reduced.
4. SAR test proposal was measured according to the normally required SAR configurations with the tuner active and worst tune state (auto tune) was used for SAR testing and this design will provide the highest power at different user scenarios and would not influence to the antenna characteristics other than impedance matching.
5. 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.
6. To evaluate all of the tuner states, the 239 tuner states for ANT0 and the 206 tuner states for ANT1 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.
7. According to TCBC 201904 workshop, total number tuner states divided evenly among each supported band / air interface and exposure condition combination.
8. According to workshop 201904, if any single point SAR measurement result is > 1.2 W/kg for a band/exposure condition combination set, all supported tuner states are evaluated with single point SAR measurements for the combination. So we verified the single point SAR that bands with SAR value high than 1.2W/kg.
9. The tuner state was established remotely through Wi-Fi so that the device is not moved for the entire series of single point SAR for the tuner states in each combination (band, mode, exposure conditions).

18.1 Supplemental Tuner Head & Body SAR Results

Please refer to Appendix F.

Test Engineer : Martin Li, Varus Wang, Ricky Gu, Light Wang, Damon Zhu



19. 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.



20. 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 DASY 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 648474 D04 v01r03, “SAR Evaluation Considerations for Wireless Handsets”, Oct 2015.
- [8] FCC KDB 248227 D01 v02r02, “SAR Guidance for IEEE 802.11 (WiFi) Transmitters”, Oct 2015.
- [9] FCC KDB 616217 D04 v01r02, “SAR Evaluation Considerations for Laptop, Notebook, Netbook and Tablet Computers”, Oct 2015
- [10] FCC KDB 941225 D01 v03r01, “3G SAR MEAUREMENT PROCEDURES”, Oct 2015
- [11] FCC KDB 941225 D05 v02r05, “SAR Evaluation Considerations for LTE Devices”, Dec 2015
- [12] FCC KDB 941225 D05A v01r02, “Rel. 10 LTE SAR Test Guidance and KDB Inquiries”, Oct 2015
- [13] FCC KDB 941225 D06 v02r01, "SAR Evaluation Procedures for Portable Devices with Wireless Router Capabilities", Oct 2015.
- [14] FCC KDB 447498 D04 v01, “Mobile and Portable Device RF Exposure Procedures and Equipment Authorization Policies”, Nov 2021

-----THE END-----



Appendix A. Plots of System Performance Check

The plots are shown as follows.

System Check_Head_750MHz

DUT: D750V3 - SN:1087

Communication System: UID 0, CW (0); Frequency: 750 MHz; Duty Cycle: 1:1
Medium: HSL_750 Medium parameters used: $f = 750$ MHz; $\sigma = 0.9$ S/m; $\epsilon_r = 41.184$; $\rho = 1000$ kg/m³

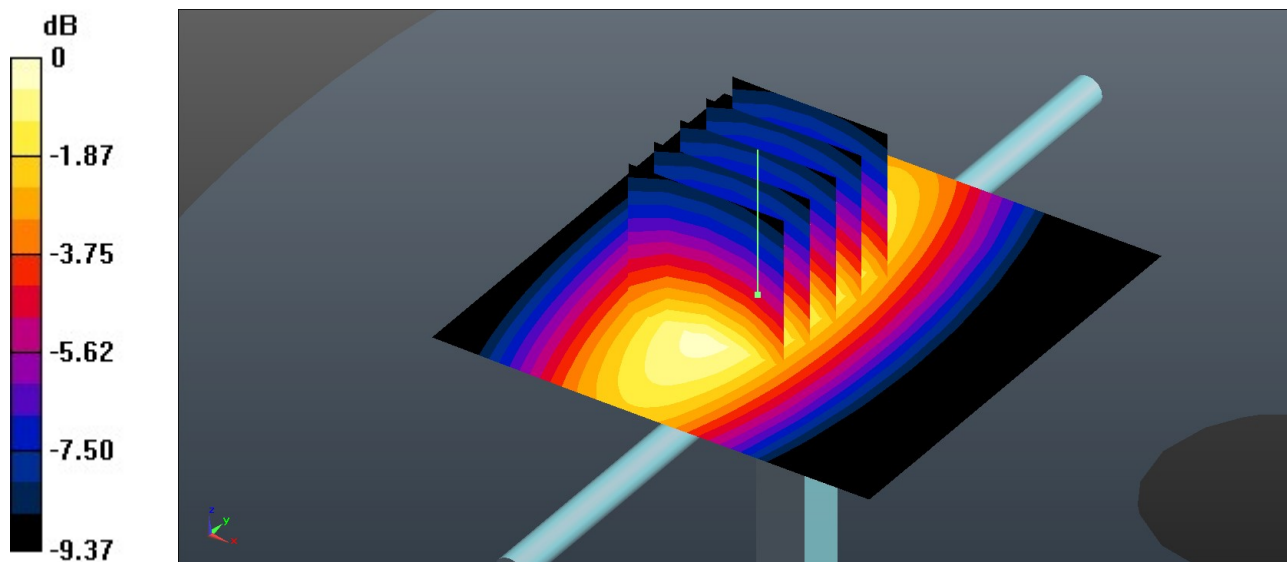
Ambient Temperature : 23.2 °C; Liquid Temperature : 22.7 °C

DASY5 Configuration:

- Probe: ES3DV3 - SN3279; ConvF(6.48, 6.48, 6.48); Calibrated: 2021/8/24
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1338; Calibrated: 2021/12/1
- Phantom: SAM Twin Phantom; Type: SAM Twin; Serial: TP-1842
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Pin=50mW/Area Scan (61x61x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.475 W/kg

Pin=50mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 22.46 V/m; Power Drift = 0.09 dB
Peak SAR (extrapolated) = 0.598 W/kg
SAR(1 g) = 0.413 W/kg; SAR(10 g) = 0.278 W/kg
Maximum value of SAR (measured) = 0.480 W/kg



0 dB = 0.480 W/kg = -3.19 dBW/kg

System Check_Head_835MHz

DUT: D835V2 - SN:4d162

Communication System: UID 0, CW (0); Frequency: 835 MHz; Duty Cycle: 1:1
Medium: HSL_835 Medium parameters used: $f = 835 \text{ MHz}$; $\sigma = 0.93 \text{ S/m}$; $\epsilon_r = 40.91$; $\rho = 1000 \text{ kg/m}^3$

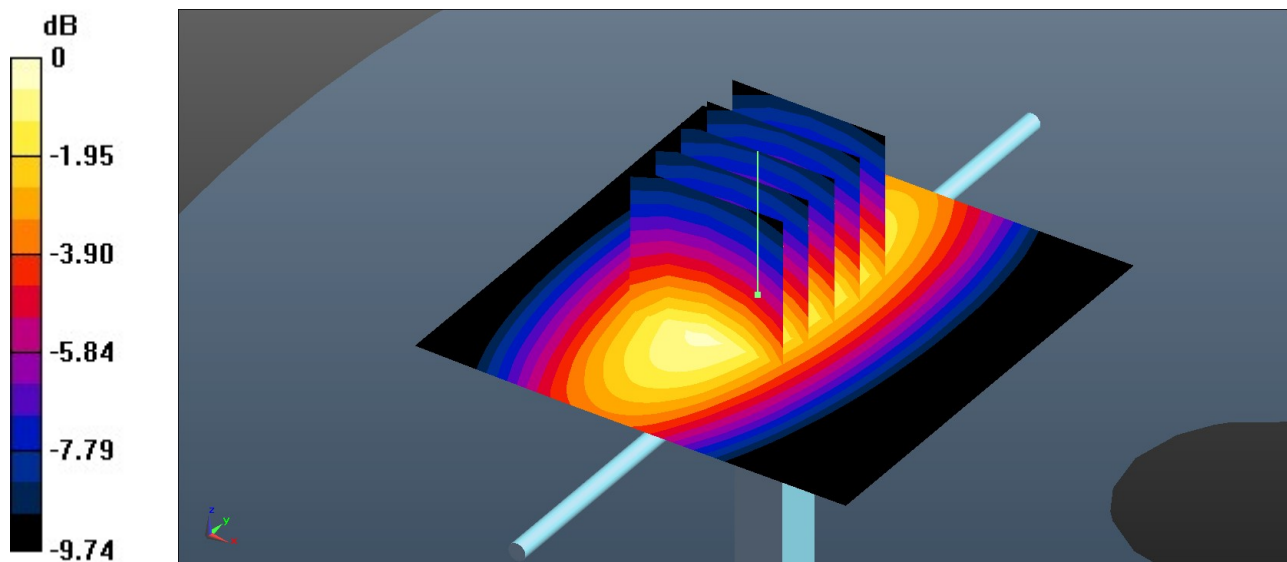
Ambient Temperature : 23.1 °C; Liquid Temperature : 22.8 °C

DASY5 Configuration:

- Probe: ES3DV3 - SN3279; ConvF(6.23, 6.23, 6.23); Calibrated: 2021/8/24
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1338; Calibrated: 2021/12/1
- Phantom: SAM Twin Phantom; Type: SAM Twin; Serial: TP-1842
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Pin=50mW/Area Scan (61x61x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$
Maximum value of SAR (interpolated) = 0.580 W/kg

Pin=50mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$
Reference Value = 25.07 V/m; Power Drift = 0.02 dB
Peak SAR (extrapolated) = 0.731 W/kg
SAR(1 g) = 0.505 W/kg; SAR(10 g) = 0.318 W/kg
Maximum value of SAR (measured) = 0.587 W/kg



0 dB = 0.587 W/kg = -2.31 dBW/kg

System Check_Head_1750MHz

DUT: D1750V2 - SN:1090

Communication System: UID 0, CW (0); Frequency: 1750 MHz;Duty Cycle: 1:1
Medium: HSL_1750 Medium parameters used: $f = 1750$ MHz; $\sigma = 1.41$ S/m; $\epsilon_r = 40.671$; $\rho = 1000$ kg/m³

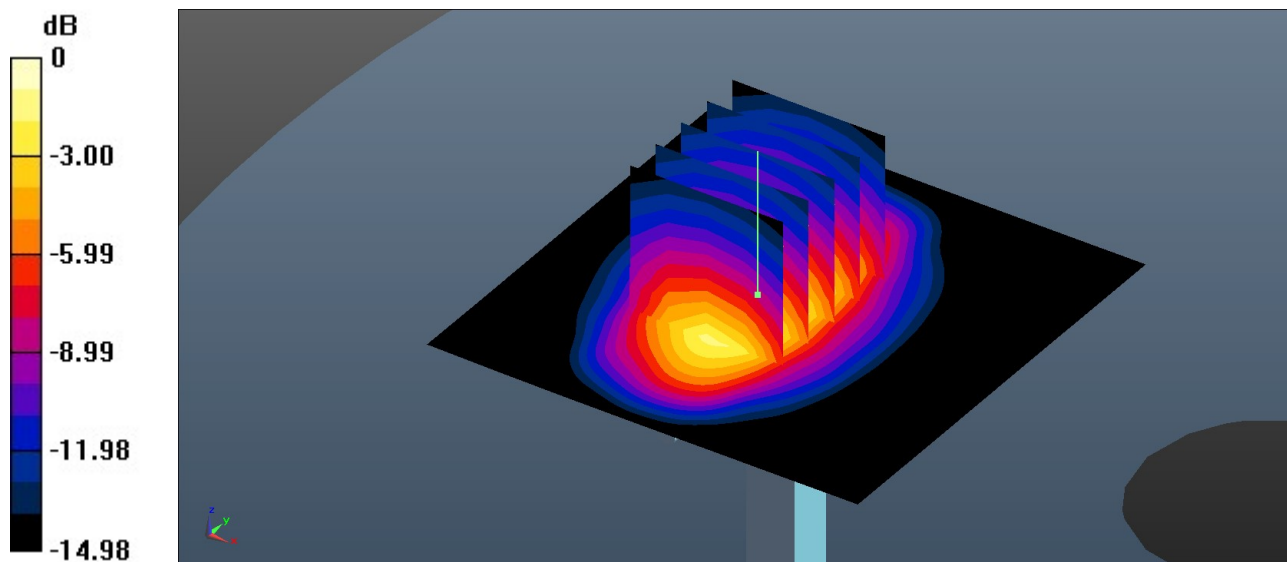
Ambient Temperature : 23.4 °C; Liquid Temperature : 22.6 °C

DASY5 Configuration:

- Probe: ES3DV3 - SN3279; ConvF(5.52, 5.52, 5.52); Calibrated: 2021/8/24
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1338; Calibrated: 2021/12/1
- Phantom: SAM Twin Phantom; Type: SAM Twin; Serial: TP-1842
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Pin=50mW/Area Scan (61x61x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 2.34 W/kg

Pin=50mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 36.79 V/m; Power Drift = 0.09 dB
Peak SAR (extrapolated) = 3.18 W/kg
SAR(1 g) = 1.82 W/kg; SAR(10 g) = 0.988 W/kg
Maximum value of SAR (measured) = 2.29 W/kg



0 dB = 2.29 W/kg = 3.60 dBW/kg

System Check_Head_1900MHz

DUT: D1900V2 - SN:5d182

Communication System: UID 0, CW (0); Frequency: 1900 MHz; Duty Cycle: 1:1

Medium: HSL_1900 Medium parameters used: $f = 1900$ MHz; $\sigma = 1.398$ S/m; $\epsilon_r = 41.444$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.3 °C; Liquid Temperature : 22.7 °C

DASY5 Configuration:

- Probe: ES3DV3 - SN3279; ConvF(5.28, 5.28, 5.28); Calibrated: 2021/8/24
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1338; Calibrated: 2021/12/1
- Phantom: SAM Twin Phantom; Type: SAM Twin; Serial: TP-1842
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Pin=50mW/Area Scan (61x61x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 2.57 W/kg

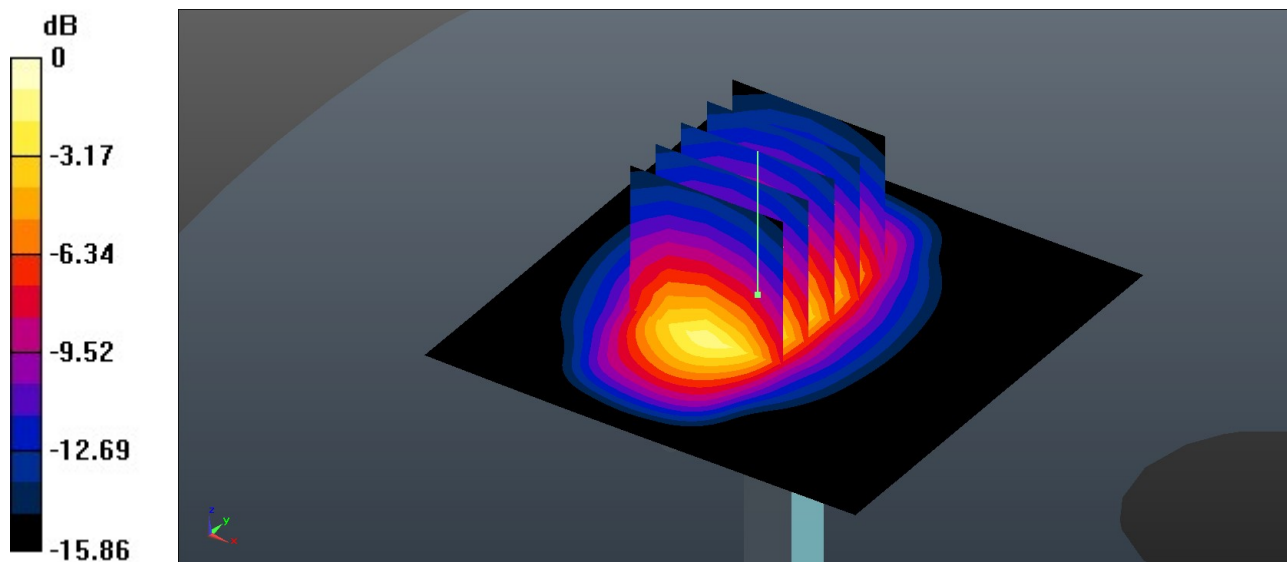
Pin=50mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 34.53 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 3.48 W/kg

SAR(1 g) = 1.93 W/kg; SAR(10 g) = 1.02 W/kg

Maximum value of SAR (measured) = 2.44 W/kg



0 dB = 2.44 W/kg = 3.87 dBW/kg

System Check_Head_2450MHz

DUT: D2450V2 - SN:924

Communication System: UID 0, CW (0); Frequency: 2450 MHz;Duty Cycle: 1:1
Medium: HSL_2450 Medium parameters used: $f = 2450$ MHz; $\sigma = 1.824$ S/m; $\epsilon_r = 39.239$; $\rho = 1000$ kg/m³

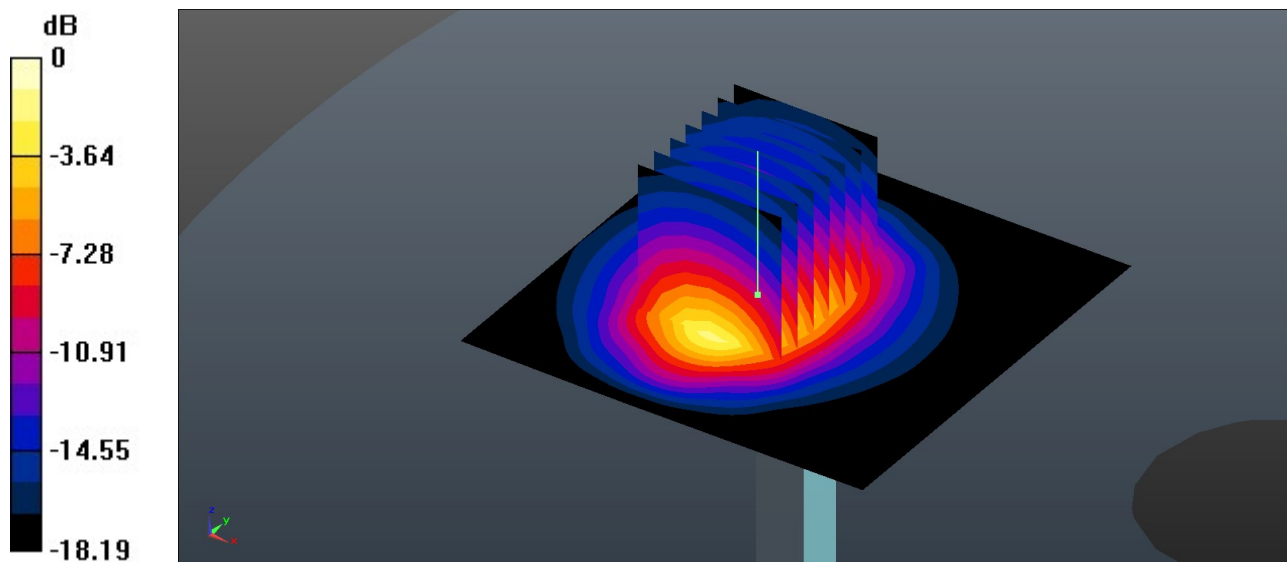
Ambient Temperature : 23.3 °C; Liquid Temperature : 22.6 °C

DASY5 Configuration:

- Probe: ES3DV3 - SN3279; ConvF(4.75, 4.75, 4.75); Calibrated: 2021/8/24
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1338; Calibrated: 2021/12/1
- Phantom: SAM Twin Phantom; Type: SAM Twin; Serial: TP-1842
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Pin=50mW/Area Scan (71x71x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm
Maximum value of SAR (interpolated) = 3.55 W/kg

Pin=50mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 35.51 V/m; Power Drift = 0.09 dB
Peak SAR (extrapolated) = 5.06 W/kg
SAR(1 g) = 2.58 W/kg; SAR(10 g) = 1.24 W/kg
Maximum value of SAR (measured) = 3.36 W/kg



0 dB = 3.36 W/kg = 5.26 dBW/kg

System Check_Head_2600MHz

DUT: D2600V2 - SN:1061

Communication System: UID 0, CW (0); Frequency: 2600 MHz; Duty Cycle: 1:1

Medium: HSL_2600 Medium parameters used: $f = 2600$ MHz; $\sigma = 1.935$ S/m; $\epsilon_r = 37.335$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.4 °C; Liquid Temperature : 22.8 °C

DASY5 Configuration:

- Probe: ES3DV3 - SN3279; ConvF(4.47, 4.47, 4.47); Calibrated: 2021/8/24
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1338; Calibrated: 2021/12/1
- Phantom: SAM Twin Phantom; Type: SAM Twin; Serial: TP-1842
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Pin=50mW/Area Scan (81x81x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm
Maximum value of SAR (interpolated) = 3.69 W/kg

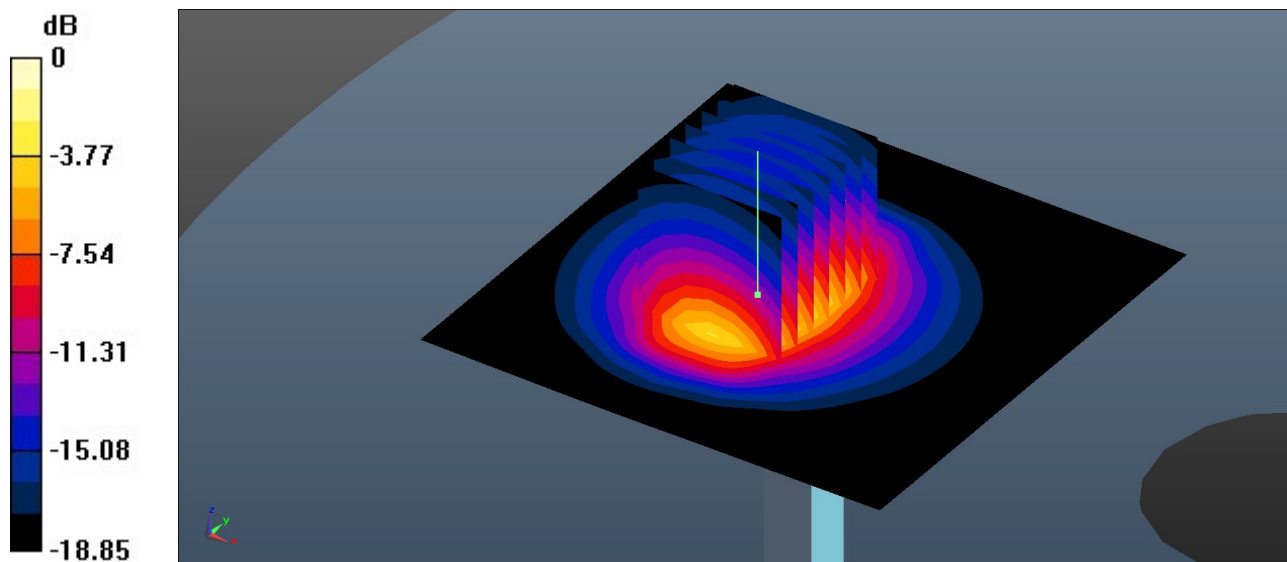
Pin=50mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 36.55 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 5.40 W/kg

SAR(1 g) = 2.67 W/kg; SAR(10 g) = 1.23 W/kg

Maximum value of SAR (measured) = 3.53 W/kg



0 dB = 3.53 W/kg = 5.48 dBW/kg

System Check_Head_3500MHz

DUT: D3500V2 - SN:1037

Communication System: UID 0, CW (0); Frequency: 3500 MHz; Duty Cycle: 1:1
 Medium: HSL_3500 Medium parameters used: $f = 3500$ MHz; $\sigma = 2.879$ S/m; $\epsilon_r = 38.5$; $\rho = 1000$ kg/m³

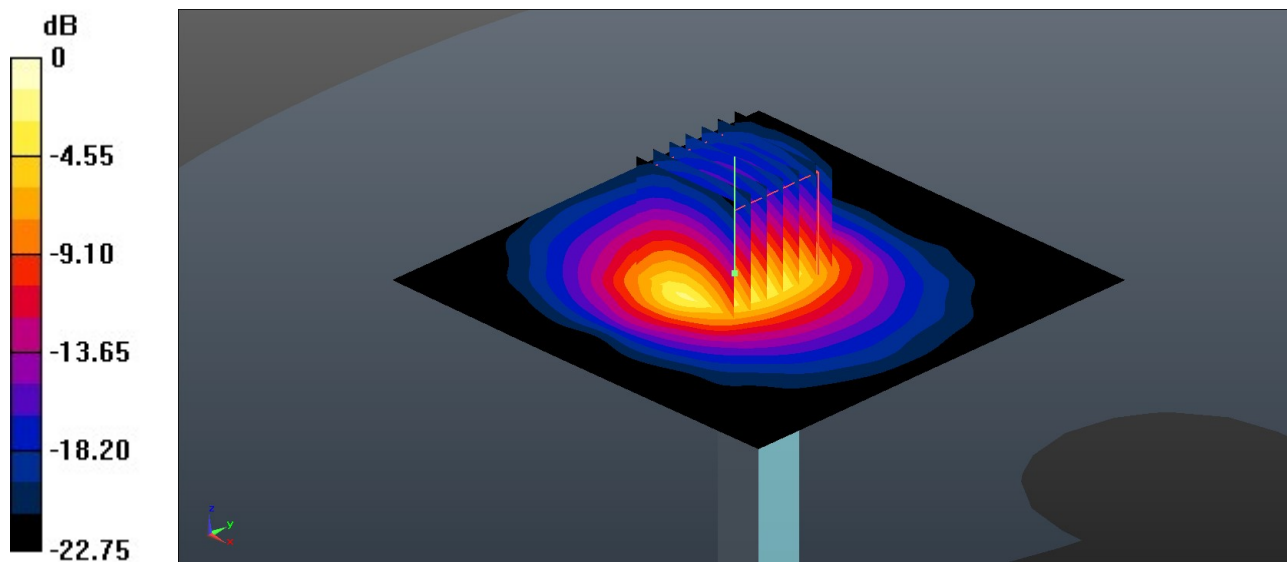
Ambient Temperature : 23.1 °C; Liquid Temperature : 22.6 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3887; ConvF(6.65, 6.65, 6.65); Calibrated: 2021/10/22
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1338; Calibrated: 2021/12/1
- Phantom: SAM Twin Phantom; Type: SAM Twin; Serial: TP-1842
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Pin=50mW/Area Scan (91x91x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
 Maximum value of SAR (interpolated) = 4.17 W/kg

Pin=50mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
 Reference Value = 35.51 V/m; Power Drift = 0.01 dB
 Peak SAR (extrapolated) = 5.34 W/kg
SAR(1 g) = 3.13 W/kg; SAR(10 g) = 1.22 W/kg
 Maximum value of SAR (measured) = 4.04 W/kg



0 dB = 4.04 W/kg = 6.06 dBW/kg

System Check_Head_3700MHz

DUT: D3700V2 - SN:1008

Communication System: UID 0, CW (0); Frequency: 3700 MHz; Duty Cycle: 1:1

Medium: HSL_3700 Medium parameters used: $f = 3700$ MHz; $\sigma = 3.078$ S/m; $\epsilon_r = 38.038$; $\rho = 1000$ kg/m³

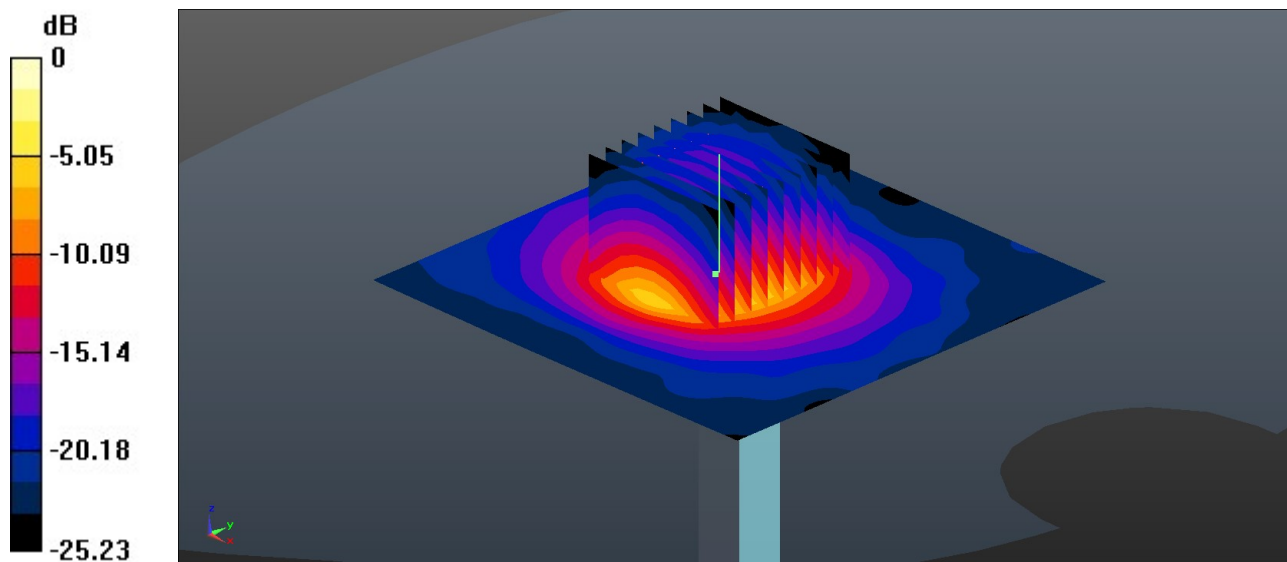
Ambient Temperature : 23.2 °C; Liquid Temperature : 22.6 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3887; ConvF(6.4, 6.4, 6.4); Calibrated: 2021/10/22
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1338; Calibrated: 2021/12/1
- Phantom: SAM Twin Phantom; Type: SAM Twin; Serial: TP-1842
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Pin=50mW/Area Scan (91x91x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 4.35 W/kg

Pin=50mW/Zoom Scan (9x9x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 33.48 V/m; Power Drift = 0.04 dB
Peak SAR (extrapolated) = 5.74 W/kg
SAR(1 g) = 3.13 W/kg; SAR(10 g) = 1.17 W/kg
Maximum value of SAR (measured) = 4.19 W/kg



0 dB = 4.19 W/kg = 6.22 dBW/kg

System Check_Head_3900MHz

DUT: D3900V2 - SN:1048

Communication System: UID 0, CW (0); Frequency: 3900 MHz; Duty Cycle: 1:1
Medium: HSL_3900 Medium parameters used: $f = 3900$ MHz; $\sigma = 3.282$ S/m; $\epsilon_r = 37.613$; $\rho = 1000$ kg/m³

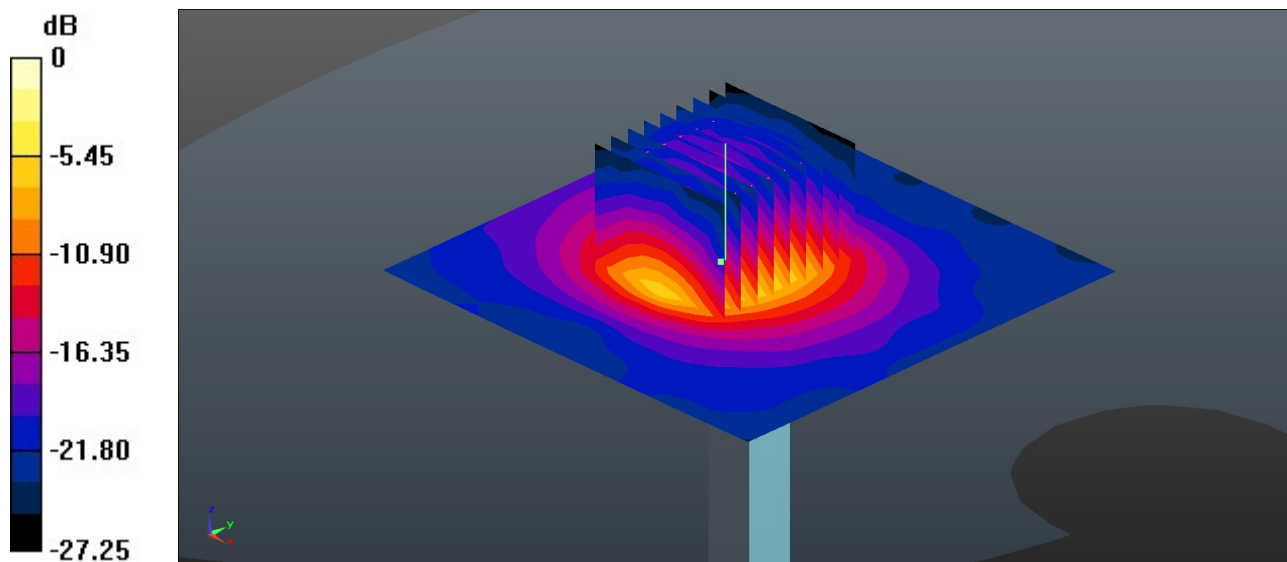
Ambient Temperature : 23.2 °C; Liquid Temperature : 22.7 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3887; ConvF(6.15, 6.15, 6.15); Calibrated: 2021/10/22
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1338; Calibrated: 2021/12/1
- Phantom: SAM Twin Phantom; Type: SAM Twin; Serial: TP-1842
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Pin=50mW/Area Scan (91x91x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 4.59 W/kg

Pin=50mW/Zoom Scan (9x9x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 32.98 V/m; Power Drift = 0.09 dB
Peak SAR (extrapolated) = 5.98 W/kg
SAR(1 g) = 3.42 W/kg; SAR(10 g) = 1.29 W/kg
Maximum value of SAR (measured) = 4.41 W/kg



0 dB = 4.41 W/kg = 6.44 dBW/kg

System Check_Head_5250MHz

DUT: D5GHzV2 - SN:1113

Communication System: UID 0, CW (0); Frequency: 5250 MHz; Duty Cycle: 1:1
Medium: HSL_5000 Medium parameters used: $f = 5250$ MHz; $\sigma = 4.566$ S/m; $\epsilon_r = 35.456$; $\rho = 1000$ kg/m³

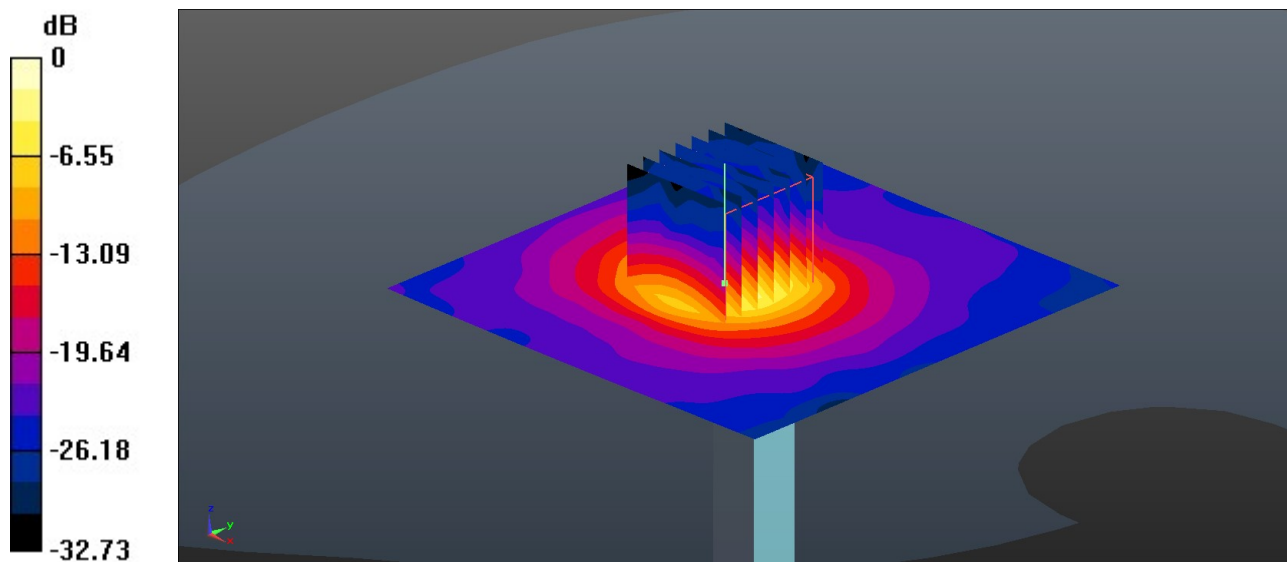
Ambient Temperature : 23.4 °C; Liquid Temperature : 22.9 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3887; ConvF(4.8, 4.8, 4.8); Calibrated: 2021/10/22
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1338; Calibrated: 2021/12/1
- Phantom: SAM Twin Phantom; Type: SAM Twin; Serial: TP-1842
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Pin=50mW/Area Scan (91x91x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 6.29 W/kg

Pin=50mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 19.78 V/m; Power Drift = 0.02 dB
Peak SAR (extrapolated) = 10.5 W/kg
SAR(1 g) = 3.76 W/kg; SAR(10 g) = 1.15 W/kg
Maximum value of SAR (measured) = 6.49 W/kg



0 dB = 6.49 W/kg = 8.12 dBW/kg

System Check_Head_5600MHz

DUT: D5GHzV2 - SN:1113

Communication System: UID 0, CW (0); Frequency: 5600 MHz; Duty Cycle: 1:1

Medium: HSL_5000 Medium parameters used: $f = 5600$ MHz; $\sigma = 4.95$ S/m; $\epsilon_r = 34.842$; $\rho = 1000$ kg/m³

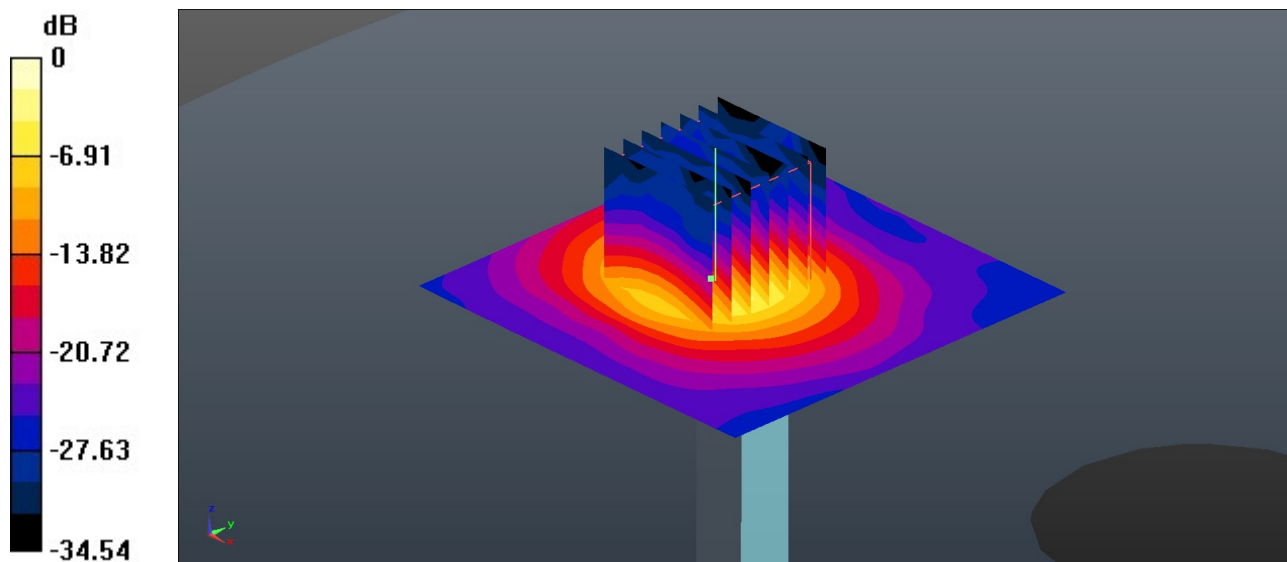
Ambient Temperature : 23.4 °C; Liquid Temperature : 22.9 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3887; ConvF(4.26, 4.26, 4.26); Calibrated: 2021/10/22
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1338; Calibrated: 2021/12/1
- Phantom: SAM Twin Phantom; Type: SAM Twin; Serial: TP-1842
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Pin=50mW/Area Scan (71x71x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 7.44 W/kg

Pin=50mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 21.26 V/m; Power Drift = 0.11 dB
Peak SAR (extrapolated) = 13.0 W/kg
SAR(1 g) = 3.92 W/kg; SAR(10 g) = 1.25 W/kg
Maximum value of SAR (measured) = 7.47 W/kg



0 dB = 7.47 W/kg = 8.73 dBW/kg

System Check_Head_5750MHz

DUT: D5GHzV2 - SN:1113

Communication System: UID 0, CW (0); Frequency: 5750 MHz; Duty Cycle: 1:1

Medium: HSL_5000 Medium parameters used: $f = 5750$ MHz; $\sigma = 5.131$ S/m; $\epsilon_r = 34.57$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.1 °C; Liquid Temperature : 22.6 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3887; ConvF(4.39, 4.39, 4.39); Calibrated: 2021/10/22
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1338; Calibrated: 2021/12/1
- Phantom: SAM Twin Phantom; Type: SAM Twin; Serial: TP-1842
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Pin=50mW/Area Scan (71x71x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 9.22 W/kg

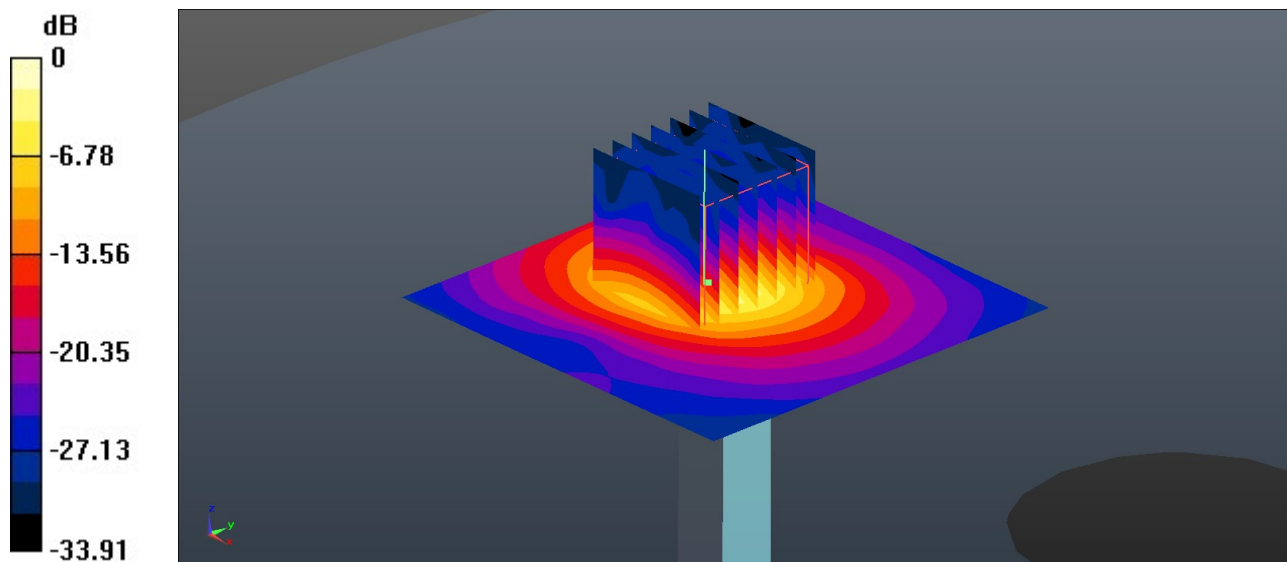
Pin=50mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 32.99 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 15.9 W/kg

SAR(1 g) = 3.82 W/kg; SAR(10 g) = 1.13 W/kg

Maximum value of SAR (measured) = 9.53 W/kg



0 dB = 9.53 W/kg = 9.79 dBW/kg

System Check_Head_750MHz

DUT: D750V3 - SN:1087

Communication System: UID 0, CW (0); Frequency: 750 MHz; Duty Cycle: 1:1

Medium: HSL_750 Medium parameters used: $f = 750$ MHz; $\sigma = 0.916$ S/m; $\epsilon_r = 43.396$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.2 °C; Liquid Temperature : 22.8 °C

DASY5 Configuration:

- Probe: ES3DV3 - SN3279; ConvF(6.48, 6.48, 6.48); Calibrated: 2021/8/24
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1338; Calibrated: 2021/12/1
- Phantom: SAM Twin Phantom; Type: SAM Twin; Serial: TP-1842
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Pin=50mW/Area Scan (61x61x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.478 W/kg

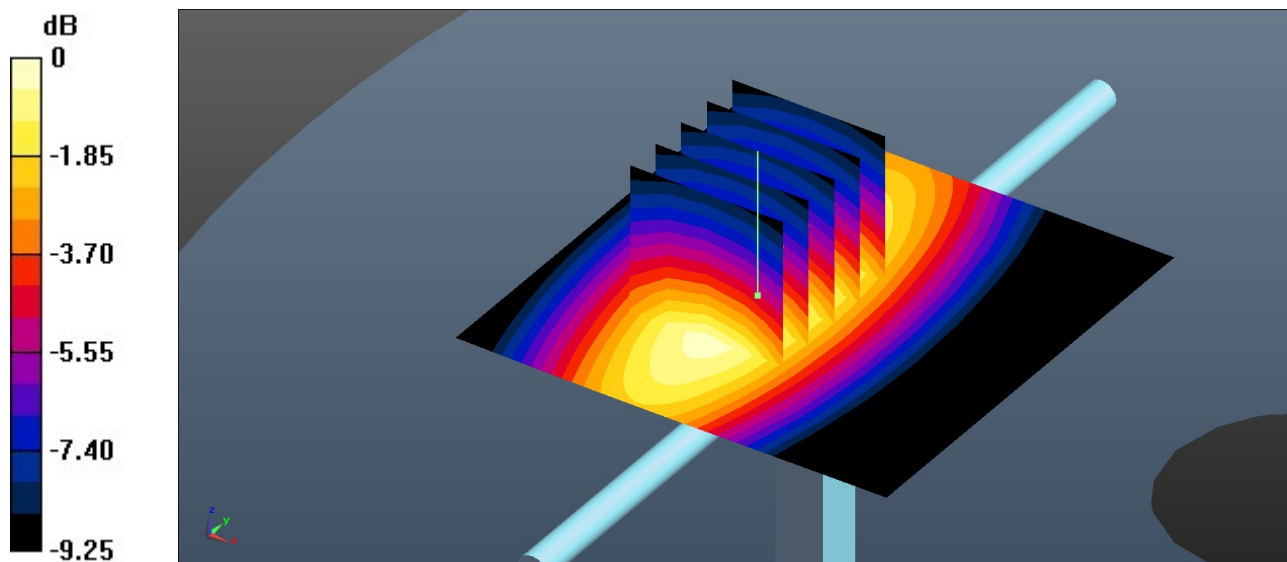
Pin=50mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 21.28 V/m; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 0.607 W/kg

SAR(1 g) = 0.417 W/kg; SAR(10 g) = 0.281 W/kg

Maximum value of SAR (measured) = 0.483 W/kg



0 dB = 0.483 W/kg = -3.16 dBW/kg

System Check_Head_835MHz

DUT: D835V2 - SN:4d162

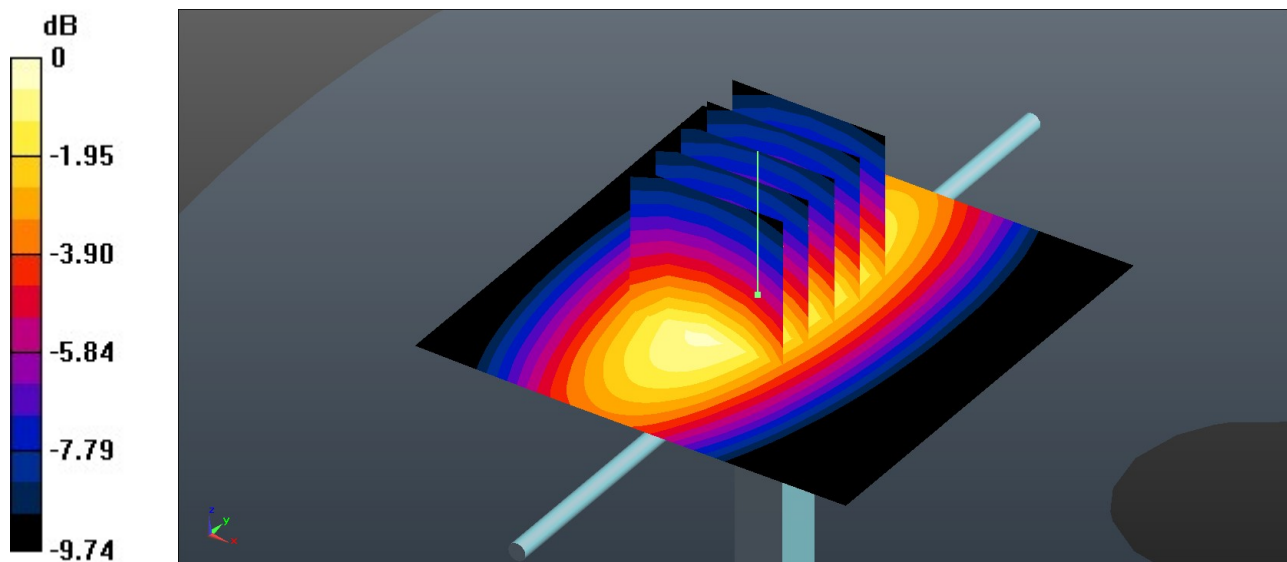
Communication System: UID 0, CW (0); Frequency: 835 MHz; Duty Cycle: 1:1
Medium: HSL_835 Medium parameters used: $f = 835 \text{ MHz}$; $\sigma = 0.902 \text{ S/m}$; $\epsilon_r = 41.239$; $\rho = 1000 \text{ kg/m}^3$
Ambient Temperature : 23.2 °C; Liquid Temperature : 22.5 °C

DASY5 Configuration:

- Probe: ES3DV3 - SN3279; ConvF(6.23, 6.23, 6.23); Calibrated: 2021/8/24
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1338; Calibrated: 2021/12/1
- Phantom: SAM Twin Phantom; Type: SAM Twin; Serial: TP-1842
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Pin=50mW/Area Scan (61x61x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$
Maximum value of SAR (interpolated) = 0.563 W/kg

Pin=50mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$
Reference Value = 25.07 V/m; Power Drift = 0.20 dB
Peak SAR (extrapolated) = 0.709 W/kg
SAR(1 g) = 0.490 W/kg; SAR(10 g) = 0.327 W/kg
Maximum value of SAR (measured) = 0.569 W/kg



0 dB = 0.569 W/kg = -2.45 dBW/kg

System Check_Head_1750MHz

DUT: D1750V2 - SN:1090

Communication System: UID 0, CW (0); Frequency: 1750 MHz; Duty Cycle: 1:1
Medium: HSL_1750 Medium parameters used: $f = 1750$ MHz; $\sigma = 1.394$ S/m; $\epsilon_r = 40.5$; $\rho = 1000$ kg/m³

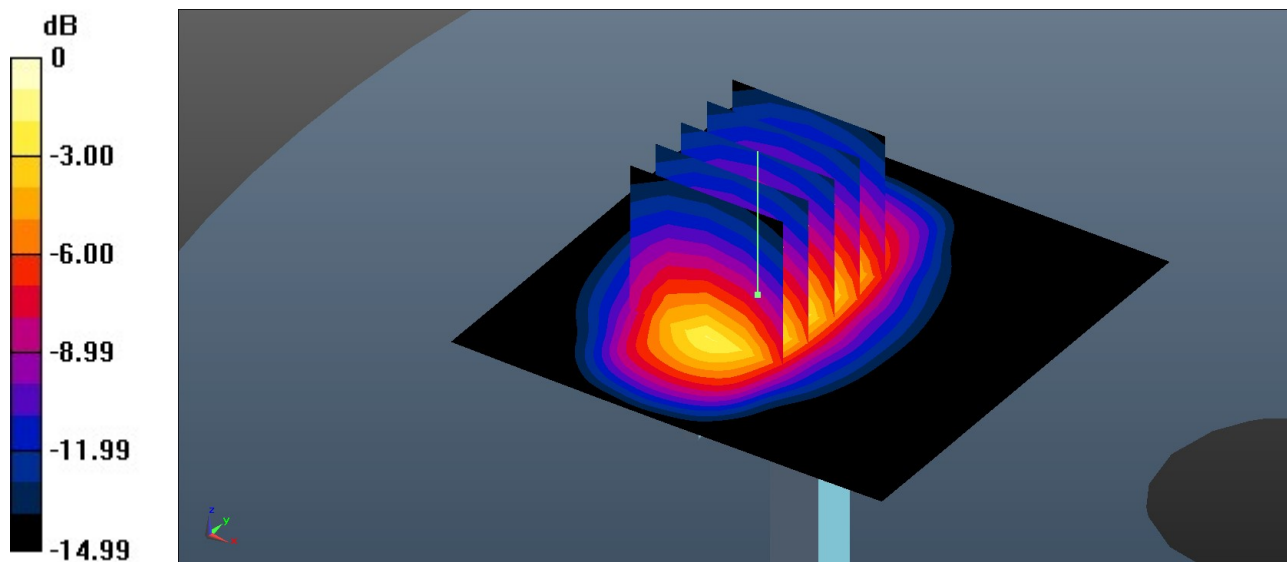
Ambient Temperature : 23.1 °C; Liquid Temperature : 22.6 °C

DASY5 Configuration:

- Probe: ES3DV3 - SN3279; ConvF(5.52, 5.52, 5.52); Calibrated: 2021/8/24
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1338; Calibrated: 2021/12/1
- Phantom: SAM Twin Phantom; Type: SAM Twin; Serial: TP-1842
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Pin=50mW/Area Scan (61x61x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 2.35 W/kg

Pin=50mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 32.74 V/m; Power Drift = 0.09 dB
Peak SAR (extrapolated) = 3.16 W/kg
SAR(1 g) = 1.82 W/kg; SAR(10 g) = 0.992 W/kg
Maximum value of SAR (measured) = 2.27 W/kg



0 dB = 2.27 W/kg = 3.56 dBW/kg

System Check_Head_1900MHz

DUT: D1900V2 - SN:5d182

Communication System: UID 0, CW (0); Frequency: 1900 MHz; Duty Cycle: 1:1

Medium: HSL_1900 Medium parameters used: $f = 1900$ MHz; $\sigma = 1.451$ S/m; $\epsilon_r = 39.635$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.3 °C; Liquid Temperature : 22.5 °C

DASY5 Configuration:

- Probe: ES3DV3 - SN3279; ConvF(5.28, 5.28, 5.28); Calibrated: 2021/8/24
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1338; Calibrated: 2021/12/1
- Phantom: SAM Twin Phantom; Type: SAM Twin; Serial: TP-1842
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Pin=50mW/Area Scan (61x61x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 2.75 W/kg

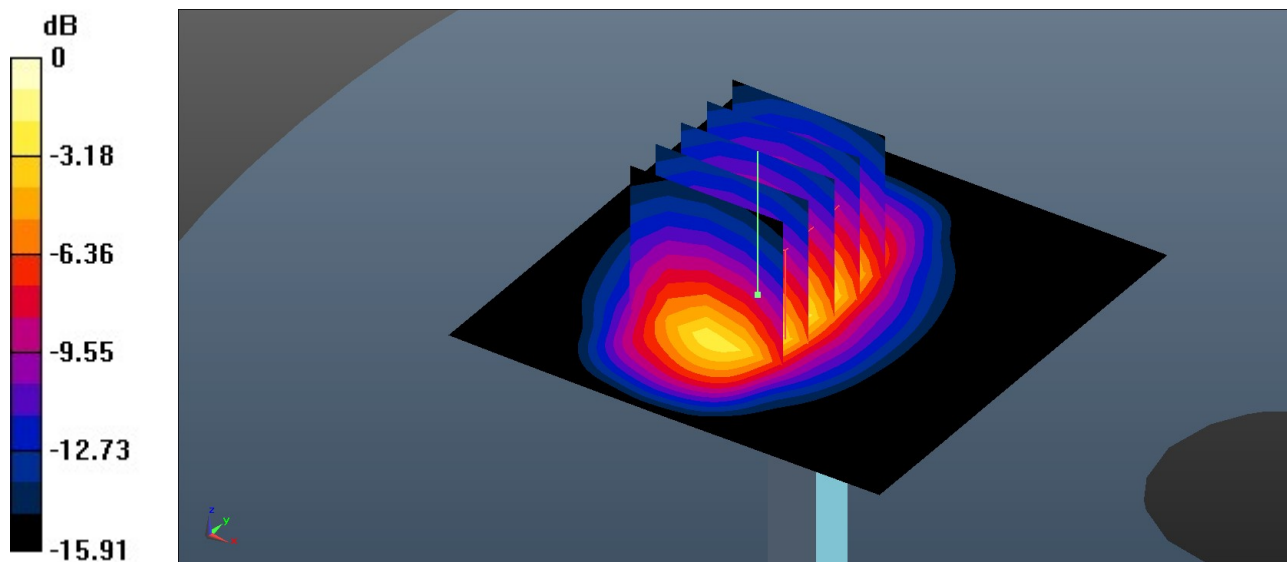
Pin=50mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 35.95 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 3.60 W/kg

SAR(1 g) = 2.03 W/kg; SAR(10 g) = 1.08 W/kg

Maximum value of SAR (measured) = 2.54 W/kg



0 dB = 2.54 W/kg = 4.05 dBW/kg

System Check_Head_2450MHz

DUT: D2450V2 - SN:924

Communication System: UID 0, CW (0); Frequency: 2450 MHz; Duty Cycle: 1:1

Medium: HSL_2450 Medium parameters used: $f = 2450$ MHz; $\sigma = 1.768$ S/m; $\epsilon_r = 39.33$; $\rho = 1000$ kg/m³

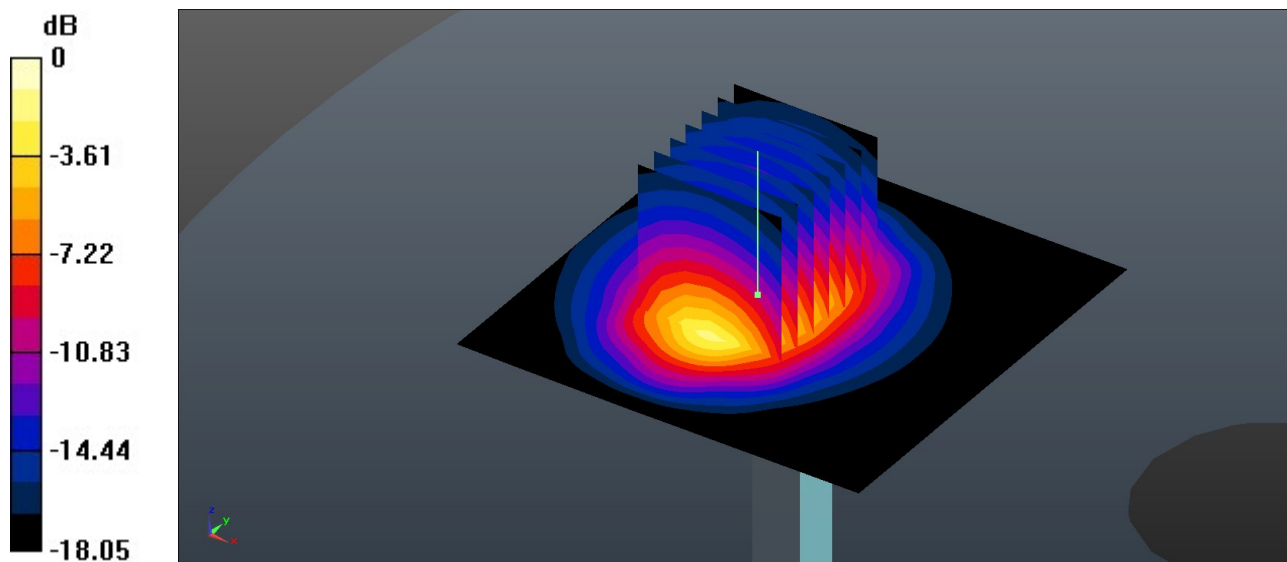
Ambient Temperature : 23.3 °C; Liquid Temperature : 22.7 °C

DASY5 Configuration:

- Probe: ES3DV3 - SN3279; ConvF(4.75, 4.75, 4.75); Calibrated: 2021/8/24
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1338; Calibrated: 2021/12/1
- Phantom: SAM Twin Phantom; Type: SAM Twin; Serial: TP-1842
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Pin=50mW/Area Scan (71x71x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm
Maximum value of SAR (interpolated) = 3.44 W/kg

Pin=50mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 35.16 V/m; Power Drift = 0.08 dB
Peak SAR (extrapolated) = 4.96 W/kg
SAR(1 g) = 2.51 W/kg; SAR(10 g) = 1.21 W/kg
Maximum value of SAR (measured) = 3.28 W/kg



0 dB = 3.28 W/kg = 5.16 dBW/kg