



**FCC SAR TEST REPORT**

**Report No. : FA101422**

	LTE Band 26	15M	QPSK	36	0	Left Side	10mm	Ant 1	DSI 17	Full	26865	831.5	23.25	24.00	1.189	0.07	0.062	0.074	
	LTE Band 26	15M	QPSK	36	0	Right Side	10mm	Ant 1	DSI 17	Full	26865	831.5	23.25	24.00	1.189	0.03	0.122	0.145	
	LTE Band 26	15M	QPSK	36	0	Bottom Side	10mm	Ant 1	DSI 17	Full	26865	831.5	23.25	24.00	1.189	0.12	0.179	0.213	
ENDC																			
	LTE Band 5	10M	QPSK	1	0	Front	10mm	Ant 0	DSI 17	Reduced	20525	836.5	17.89	19.00	1.291	0.08	0.051	0.066	
	LTE Band 5	10M	QPSK	1	0	Back	10mm	Ant 0	DSI 17	Reduced	20525	836.5	17.89	19.00	1.291	0.18	0.050	0.065	
	LTE Band 5	10M	QPSK	1	0	Left Side	10mm	Ant 0	DSI 17	Reduced	20525	836.5	17.89	19.00	1.291	0.18	0.159	0.205	
	LTE Band 5	10M	QPSK	1	0	Top Side	10mm	Ant 0	DSI 17	Reduced	20525	836.5	17.89	19.00	1.291	-	n/a	n/a	
	LTE Band 5	10M	QPSK	25	0	Front	10mm	Ant 0	DSI 17	Reduced	20525	836.5	17.89	19.00	1.291	0.12	0.062	0.080	
	LTE Band 5	10M	QPSK	25	0	Back	10mm	Ant 0	DSI 17	Reduced	20525	836.5	17.89	19.00	1.291	0.05	0.081	0.105	
	LTE Band 5	10M	QPSK	25	0	Left Side	10mm	Ant 0	DSI 17	Reduced	20525	836.5	17.89	19.00	1.291	-0.07	0.191	0.247	
	LTE Band 5	10M	QPSK	25	0	Top Side	10mm	Ant 0	DSI 17	Reduced	20525	836.5	17.89	19.00	1.291	-	n/a	n/a	
	LTE Band 5	10M	QPSK	1	0	Front	10mm	Ant 1	DSI 17	Reduced	20525	836.5	19.05	20.00	1.245	0.17	0.091	0.113	
	LTE Band 5	10M	QPSK	1	0	Back	10mm	Ant 1	DSI 17	Reduced	20525	836.5	19.05	20.00	1.245	-0.05	0.113	0.141	
	LTE Band 5	10M	QPSK	1	0	Left Side	10mm	Ant 1	DSI 17	Reduced	20525	836.5	19.05	20.00	1.245	-	n/a	n/a	
	LTE Band 5	10M	QPSK	1	0	Right Side	10mm	Ant 1	DSI 17	Reduced	20525	836.5	19.05	20.00	1.245	0.16	0.054	0.067	
	LTE Band 5	10M	QPSK	1	0	Bottom Side	10mm	Ant 1	DSI 17	Reduced	20525	836.5	19.05	20.00	1.245	0.03	0.062	0.077	
	LTE Band 5	10M	QPSK	25	0	Front	10mm	Ant 1	DSI 17	Reduced	20525	836.5	18.98	20.00	1.265	-0.18	0.092	0.116	
	LTE Band 5	10M	QPSK	25	0	Back	10mm	Ant 1	DSI 17	Reduced	20525	836.5	18.98	20.00	1.265	-0.13	0.133	0.168	
	LTE Band 5	10M	QPSK	25	0	Left Side	10mm	Ant 1	DSI 17	Reduced	20525	836.5	18.98	20.00	1.265	-	n/a	n/a	
	LTE Band 5	10M	QPSK	25	0	Right Side	10mm	Ant 1	DSI 17	Reduced	20525	836.5	18.98	20.00	1.265	-0.09	0.050	0.063	
	LTE Band 5	10M	QPSK	25	0	Bottom Side	10mm	Ant 1	DSI 17	Reduced	20525	836.5	18.98	20.00	1.265	0.09	0.068	0.086	
	LTE Band 26	15M	QPSK	1	0	Front	10mm	Ant 0	DSI 17	Reduced	26865	831.5	18.66	19.50	1.213	0.08	0.050	0.061	
	LTE Band 26	15M	QPSK	1	0	Back	10mm	Ant 0	DSI 17	Reduced	26865	831.5	18.66	19.50	1.213	-0.19	0.066	0.080	
	LTE Band 26	15M	QPSK	1	0	Left Side	10mm	Ant 0	DSI 17	Reduced	26865	831.5	18.66	19.50	1.213	-0.01	0.189	0.229	
	LTE Band 26	15M	QPSK	1	0	Top Side	10mm	Ant 0	DSI 17	Reduced	26865	831.5	18.66	19.50	1.213	-	n/a	n/a	
	LTE Band 26	15M	QPSK	36	0	Front	10mm	Ant 0	DSI 17	Reduced	26865	831.5	18.66	19.50	1.213	-0.14	0.071	0.086	
	LTE Band 26	15M	QPSK	36	0	Back	10mm	Ant 0	DSI 17	Reduced	26865	831.5	18.66	19.50	1.213	0.04	0.094	0.114	
	LTE Band 26	15M	QPSK	36	0	Left Side	10mm	Ant 0	DSI 17	Reduced	26865	831.5	18.66	19.50	1.213	-0.13	0.234	0.284	
	LTE Band 26	15M	QPSK	36	0	Top Side	10mm	Ant 0	DSI 17	Reduced	26865	831.5	18.66	19.50	1.213	-	n/a	n/a	
	LTE Band 26	15M	QPSK	1	0	Front	10mm	Ant 1	DSI 17	Reduced	26865	831.5	19.02	20.00	1.253	0.13	0.106	0.133	
	LTE Band 26	15M	QPSK	1	0	Back	10mm	Ant 1	DSI 17	Reduced	26865	831.5	19.02	20.00	1.253	0.02	0.119	0.149	
	LTE Band 26	15M	QPSK	1	0	Left Side	10mm	Ant 1	DSI 17	Reduced	26865	831.5	19.02	20.00	1.253	-	n/a	n/a	
	LTE Band 26	15M	QPSK	1	0	Right Side	10mm	Ant 1	DSI 17	Reduced	26865	831.5	19.02	20.00	1.253	0.01	0.046	0.058	
	LTE Band 26	15M	QPSK	1	0	Bottom Side	10mm	Ant 1	DSI 17	Reduced	26865	831.5	19.02	20.00	1.253	-	n/a	n/a	
	LTE Band 26	15M	QPSK	36	0	Front	10mm	Ant 1	DSI 17	Reduced	26865	831.5	18.89	20.00	1.291	0.06	0.090	0.116	
	LTE Band 26	15M	QPSK	36	0	Back	10mm	Ant 1	DSI 17	Reduced	26865	831.5	18.89	20.00	1.291	0.05	0.109	0.141	
	LTE Band 26	15M	QPSK	36	0	Left Side	10mm	Ant 1	DSI 17	Reduced	26865	831.5	18.89	20.00	1.291	-	n/a	n/a	
	LTE Band 26	15M	QPSK	36	0	Right Side	10mm	Ant 1	DSI 17	Reduced	26865	831.5	18.89	20.00	1.291	-0.12	0.047	0.061	
	LTE Band 26	15M	QPSK	36	0	Bottom Side	10mm	Ant 1	DSI 17	Reduced	26865	831.5	18.89	20.00	1.291	0.18	0.063	0.081	
	LTE Band 66	20M	QPSK	1	0	Front	10mm	Ant 3	DSI 17	Reduced	132322	1745	20.11	21.00	1.227	-0.14	0.444	0.545	
	LTE Band 66	20M	QPSK	1	0	Back	10mm	Ant 3	DSI 17	Reduced	132322	1745	20.11	21.00	1.227	0.13	0.393	0.482	
	LTE Band 66	20M	QPSK	1	0	Left Side	10mm	Ant 3	DSI 17	Reduced	132322	1745	20.11	21.00	1.227	-0.08	0.137	0.168	
	LTE Band 66	20M	QPSK	1	0	Top Side	10mm	Ant 3	DSI 17	Reduced	132322	1745	20.11	21.00	1.227	-0.08	0.610	0.749	
	LTE Band 66	20M	QPSK	50	0	Front	10mm	Ant 3	DSI 17	Reduced	132322	1745	20.01	21.00	1.256	-0.02	0.441	0.554	
	LTE Band 66	20M	QPSK	50	0	Back	10mm	Ant 3	DSI 17	Reduced	132322	1745	20.01	21.00	1.256	0.1	0.419	0.526	
	LTE Band 66	20M	QPSK	50	0	Left Side	10mm	Ant 3	DSI 17	Reduced	132322	1745	20.01	21.00	1.256	-0.15	0.133	0.167	
	LTE Band 66	20M	QPSK	50	0	Top Side	10mm	Ant 3	DSI 17	Reduced	132322	1745	20.01	21.00	1.256	0.17	0.644	0.809	
	LTE Band 66	20M	QPSK	50	0	Top Side	10mm	Ant 3	DSI 17	Reduced	132072	1720	19.92	21.00	1.282	0.17	0.576	0.739	
	LTE Band 66	20M	QPSK	50	0	Top Side	10mm	Ant 3	DSI 17	Reduced	132572	1770	19.95	21.00	1.274	0.19	0.740	0.942	
	LTE Band 66	20M	QPSK	100	0	Top Side	10mm	Ant 3	DSI 17	Reduced	132322	1745	19.96	21.00	1.271	-0.06	0.611	0.776	
	LTE Band 66	20M	QPSK	1	0	Front	10mm	Ant 4	DSI 17	Reduced	132322	1745	22.15	23.00	1.216	0.13	0.457	0.556	
	LTE Band 66	20M	QPSK	1	0	Back	10mm	Ant 4	DSI 17	Reduced	132322	1745	22.15	23.00	1.216	-0.19	0.446	0.542	
	LTE Band 66	20M	QPSK	1	0	Right Side	10mm	Ant 4	DSI 17	Reduced	132322	1745	22.15	23.00	1.216	-0.12	0.201	0.244	
	LTE Band 66	20M	QPSK	1	0	Bottom Side	10mm	Ant 4	DSI 17	Reduced	132322	1745	22.15	23.00	1.216	-0.04	0.847	1.030	
	LTE Band 66	20M	QPSK	1	0	Bottom Side	10mm	Ant 4	DSI 17	Reduced	132072	1720	22.03	23.00	1.250	0.15	0.822	1.028	



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	LTE Band 66	20M	QPSK	1	0	Bottom Side	10mm	Ant 4	DSI 17	Reduced	132572	1770	22.12	23.00	1.225	0.02	0.894	1.095
	LTE Band 66	20M	QPSK	50	0	Front	10mm	Ant 4	DSI 17	Reduced	132322	1745	22.11	23.00	1.227	0.08	0.482	0.592
	LTE Band 66	20M	QPSK	50	0	Back	10mm	Ant 4	DSI 17	Reduced	132322	1745	22.11	23.00	1.227	-0.19	0.469	0.576
	LTE Band 66	20M	QPSK	50	0	Right Side	10mm	Ant 4	DSI 17	Reduced	132322	1745	22.11	23.00	1.227	0.07	0.209	0.257
	LTE Band 66	20M	QPSK	50	0	Bottom Side	10mm	Ant 4	DSI 17	Reduced	132322	1745	22.11	23.00	1.227	0.12	0.859	1.054
	LTE Band 66	20M	QPSK	50	0	Bottom Side	10mm	Ant 4	DSI 17	Reduced	132072	1720	21.97	23.00	1.268	0.07	0.827	1.048
37	LTE Band 66	20M	QPSK	50	0	Bottom Side	10mm	Ant 4	DSI 17	Reduced	132572	1770	21.97	23.00	1.268	0.04	0.926	1.174
	LTE Band 66_E-SIM	20M	QPSK	50	0	Bottom Side	10mm	Ant 4	DSI 17	Reduced	132572	1770	21.97	23.00	1.268	-0.15	0.899	1.140
	LTE Band 66	20M	QPSK	100	0	Bottom Side	10mm	Ant 4	DSI 17	Reduced	132322	1745	22.02	23.00	1.253	0.18	0.786	0.985
ENDC																		
	LTE Band 66	20M	QPSK	1	0	Front	10mm	Ant 5	DSI 17	Reduced	132322	1745	18.23	19.50	1.340	-	n/a	n/a
	LTE Band 66	20M	QPSK	1	0	Back	10mm	Ant 5	DSI 17	Reduced	132322	1745	18.23	19.50	1.340	-	n/a	n/a
	LTE Band 66	20M	QPSK	1	0	Left Side	10mm	Ant 5	DSI 17	Reduced	132322	1745	18.23	19.50	1.340	-	n/a	n/a
	LTE Band 66	20M	QPSK	1	0	Top Side	10mm	Ant 5	DSI 17	Reduced	132322	1745	18.23	19.50	1.340	-	n/a	n/a
	LTE Band 66	20M	QPSK	50	0	Front	10mm	Ant 5	DSI 17	Reduced	132322	1745	18.15	19.50	1.365	-	n/a	n/a
	LTE Band 66	20M	QPSK	50	0	Back	10mm	Ant 5	DSI 17	Reduced	132322	1745	18.15	19.50	1.365	-	n/a	n/a
	LTE Band 66	20M	QPSK	50	0	Left Side	10mm	Ant 5	DSI 17	Reduced	132322	1745	18.15	19.50	1.365	-0.13	0.017	0.023
	LTE Band 66	20M	QPSK	50	0	Top Side	10mm	Ant 5	DSI 17	Reduced	132322	1745	18.15	19.50	1.365	-	n/a	n/a
	LTE Band 66	20M	QPSK	1	0	Front	10mm	Ant 4	DSI 17	Reduced	132322	1745	17.42	18.00	1.143	-0.1	0.137	0.157
	LTE Band 66	20M	QPSK	1	0	Back	10mm	Ant 4	DSI 17	Reduced	132322	1745	17.42	18.00	1.143	0.09	0.147	0.168
	LTE Band 66	20M	QPSK	1	0	Right Side	10mm	Ant 4	DSI 17	Reduced	132322	1745	17.42	18.00	1.143	-0.11	0.059	0.067
	LTE Band 66	20M	QPSK	1	0	Bottom Side	10mm	Ant 4	DSI 17	Reduced	132322	1745	17.42	18.00	1.143	0.01	0.295	0.337
	LTE Band 66	20M	QPSK	50	0	Front	10mm	Ant 4	DSI 17	Reduced	132322	1745	17.28	18.00	1.180	-0.11	0.134	0.158
	LTE Band 66	20M	QPSK	50	0	Back	10mm	Ant 4	DSI 17	Reduced	132322	1745	17.28	18.00	1.180	-0.08	0.152	0.179
	LTE Band 66	20M	QPSK	50	0	Right Side	10mm	Ant 4	DSI 17	Reduced	132322	1745	17.28	18.00	1.180	-0.15	0.060	0.071
	LTE Band 66	20M	QPSK	50	0	Bottom Side	10mm	Ant 4	DSI 17	Reduced	132322	1745	17.28	18.00	1.180	-0.09	0.231	0.273
	LTE Band 25	20M	QPSK	1	0	Front	10mm	Ant 3	DSI 17	Reduced	26340	1880	21.05	22.00	1.245	-0.14	0.541	0.673
	LTE Band 25	20M	QPSK	1	0	Back	10mm	Ant 3	DSI 17	Reduced	26340	1880	21.05	22.00	1.245	-0.15	0.501	0.624
	LTE Band 25	20M	QPSK	1	0	Left Side	10mm	Ant 3	DSI 17	Reduced	26340	1880	21.05	22.00	1.245	-0.02	0.125	0.156
	LTE Band 25	20M	QPSK	1	0	Top Side	10mm	Ant 3	DSI 17	Reduced	26340	1880	21.05	22.00	1.245	0.05	0.711	0.885
	LTE Band 25	20M	QPSK	1	0	Top Side	10mm	Ant 3	DSI 17	Reduced	26140	1860	20.97	22.00	1.268	-0.08	0.679	0.861
	LTE Band 25	20M	QPSK	1	0	Top Side	10mm	Ant 3	DSI 17	Reduced	26590	1905	21.04	22.00	1.247	-0.09	0.727	0.907
	LTE Band 25	20M	QPSK	50	0	Front	10mm	Ant 3	DSI 17	Reduced	26340	1880	21.04	22.00	1.247	0.02	0.584	0.728
	LTE Band 25	20M	QPSK	50	0	Back	10mm	Ant 3	DSI 17	Reduced	26340	1880	21.04	22.00	1.247	-0.02	0.511	0.637
	LTE Band 25	20M	QPSK	50	0	Left Side	10mm	Ant 3	DSI 17	Reduced	26340	1880	21.04	22.00	1.247	-0.16	0.123	0.153
	LTE Band 25	20M	QPSK	50	0	Top Side	10mm	Ant 3	DSI 17	Reduced	26340	1880	21.04	22.00	1.247	-0.16	0.741	0.924
	LTE Band 25	20M	QPSK	50	0	Top Side	10mm	Ant 3	DSI 17	Reduced	26140	1860	20.95	22.00	1.274	-0.08	0.715	0.911
38	LTE Band 25	20M	QPSK	50	0	Top Side	10mm	Ant 3	DSI 17	Reduced	26590	1905	21.02	22.00	1.253	-0.03	0.791	0.991
	LTE Band 25	20M	QPSK	100	0	Top Side	10mm	Ant 3	DSI 17	Reduced	26340	1880	20.96	22.00	1.271	-0.08	0.708	0.900
	LTE Band 25	20M	QPSK	1	0	Front	10mm	Ant 4	DSI 17	Reduced	26340	1880	21.98	23.00	1.265	-0.08	0.302	0.382
	LTE Band 25	20M	QPSK	1	0	Back	10mm	Ant 4	DSI 17	Reduced	26340	1880	21.98	23.00	1.265	0.17	0.338	0.427
	LTE Band 25	20M	QPSK	1	0	Right Side	10mm	Ant 4	DSI 17	Reduced	26340	1880	21.98	23.00	1.265	0.1	0.163	0.206
	LTE Band 25	20M	QPSK	1	0	Bottom Side	10mm	Ant 4	DSI 17	Reduced	26340	1880	21.98	23.00	1.265	-0.18	0.704	0.890
	LTE Band 25	20M	QPSK	1	0	Bottom Side	10mm	Ant 4	DSI 17	Reduced	26140	1860	21.94	23.00	1.276	0.06	0.631	0.805
	LTE Band 25	20M	QPSK	1	0	Bottom Side	10mm	Ant 4	DSI 17	Reduced	26590	1905	21.84	23.00	1.306	-0.09	0.712	0.930
	LTE Band 25	20M	QPSK	50	0	Front	10mm	Ant 4	DSI 17	Reduced	26340	1880	21.93	23.00	1.279	0.05	0.331	0.423
	LTE Band 25	20M	QPSK	50	0	Back	10mm	Ant 4	DSI 17	Reduced	26340	1880	21.93	23.00	1.279	0.08	0.352	0.450
	LTE Band 25	20M	QPSK	50	0	Right Side	10mm	Ant 4	DSI 17	Reduced	26340	1880	21.93	23.00	1.279	0.06	0.170	0.217
	LTE Band 25	20M	QPSK	50	0	Bottom Side	10mm	Ant 4	DSI 17	Reduced	26340	1880	21.93	23.00	1.279	-0.01	0.683	0.874
	LTE Band 25	20M	QPSK	50	0	Bottom Side	10mm	Ant 4	DSI 17	Reduced	26140	1860	21.92	23.00	1.282	-0.02	0.630	0.808
	LTE Band 25	20M	QPSK	50	0	Bottom Side	10mm	Ant 4	DSI 17	Reduced	26590	1905	21.75	23.00	1.334	-0.1	0.721	0.961
	LTE Band 25	20M	QPSK	100	0	Bottom Side	10mm	Ant 4	DSI 17	Reduced	26340	1880	21.84	23.00	1.306	-0.11	0.711	0.929
	LTE Band 2_Inter-CA	20M	QPSK	1	0	Front	10mm	Ant 4	DSI 17	Reduced	18900	1880	22.26	23.00	1.186	-0.12	0.263	0.312
	LTE Band 2_Inter-CA	20M	QPSK	1	0	Back	10mm	Ant 4	DSI 17	Reduced	18900	1880	22.26	23.00	1.186	0.13	0.416	0.493
	LTE Band 2_Inter-CA	20M	QPSK	1	0	Right Side	10mm	Ant 4	DSI 17	Reduced	18900	1880	22.26	23.00	1.186	0.15	0.166	0.197
	LTE Band 2_Inter-CA	20M	QPSK	1	0	Bottom Side	10mm	Ant 4	DSI 17	Reduced	18900	1880	22.26	23.00	1.186	0.05	0.649	0.770



LTE Band 2_Inter-CA	20M	QPSK	50	0	Front	10mm	Ant 4	DSI 17	Reduced	18900	1880	22.18	23.00	1.208	0.02	0.247	0.298	
LTE Band 2_Inter-CA	20M	QPSK	50	0	Back	10mm	Ant 4	DSI 17	Reduced	18900	1880	22.18	23.00	1.208	0.19	0.303	0.366	
LTE Band 2_Inter-CA	20M	QPSK	50	0	Right Side	10mm	Ant 4	DSI 17	Reduced	18900	1880	22.18	23.00	1.208	-0.02	0.160	0.193	
LTE Band 2_Inter-CA	20M	QPSK	50	0	Bottom Side	10mm	Ant 4	DSI 17	Reduced	18900	1880	22.18	23.00	1.208	0.06	0.586	0.708	
LTE Band 2_Inter-CA	20M	QPSK	1	0	Front	10mm	Ant 5	DSI 17	Reduced	18900	1880	20.65	21.50	1.216	0.08	0.102	0.124	
LTE Band 2_Inter-CA	20M	QPSK	1	0	Back	10mm	Ant 5	DSI 17	Reduced	18900	1880	20.65	21.50	1.216	0.18	0.154	0.187	
LTE Band 2_Inter-CA	20M	QPSK	1	0	Left Side	10mm	Ant 5	DSI 17	Reduced	18900	1880	20.65	21.50	1.216	-0.08	0.309	0.376	
LTE Band 2_Inter-CA	20M	QPSK	1	0	Top Side	10mm	Ant 5	DSI 17	Reduced	18900	1880	20.65	21.50	1.216	-	n/a	n/a	
LTE Band 2_Inter-CA	20M	QPSK	50	0	Front	10mm	Ant 5	DSI 17	Reduced	18900	1880	20.56	21.50	1.242	-0.15	0.096	0.119	
LTE Band 2_Inter-CA	20M	QPSK	50	0	Back	10mm	Ant 5	DSI 17	Reduced	18900	1880	20.56	21.50	1.242	0.13	0.154	0.191	
LTE Band 2_Inter-CA	20M	QPSK	50	0	Left Side	10mm	Ant 5	DSI 17	Reduced	18900	1880	20.56	21.50	1.242	0.05	0.224	0.278	
LTE Band 2_Inter-CA	20M	QPSK	50	0	Top Side	10mm	Ant 5	DSI 17	Reduced	18900	1880	20.56	21.50	1.242	-	n/a	n/a	
ENDC																		
LTE Band 25	20M	QPSK	1	0	Front	10mm	Ant 3	DSI 17	Reduced	26340	1880	18.10	19.00	1.230	0.18	0.270	0.332	
LTE Band 25	20M	QPSK	1	0	Back	10mm	Ant 3	DSI 17	Reduced	26340	1880	18.10	19.00	1.230	-0.07	0.255	0.314	
LTE Band 25	20M	QPSK	1	0	Left Side	10mm	Ant 3	DSI 17	Reduced	26340	1880	18.10	19.00	1.230	-0.18	0.056	0.069	
LTE Band 25	20M	QPSK	1	0	Top Side	10mm	Ant 3	DSI 17	Reduced	26340	1880	18.10	19.00	1.230	-0.04	0.416	0.512	
LTE Band 25	20M	QPSK	50	0	Front	10mm	Ant 3	DSI 17	Reduced	26340	1880	18.08	19.00	1.236	-0.01	0.259	0.320	
LTE Band 25	20M	QPSK	50	0	Back	10mm	Ant 3	DSI 17	Reduced	26340	1880	18.08	19.00	1.236	0.02	0.243	0.300	
LTE Band 25	20M	QPSK	50	0	Left Side	10mm	Ant 3	DSI 17	Reduced	26340	1880	18.08	19.00	1.236	0.11	0.054	0.067	
LTE Band 25	20M	QPSK	50	0	Top Side	10mm	Ant 3	DSI 17	Reduced	26340	1880	18.08	19.00	1.236	0.14	0.377	0.466	
LTE Band 25	20M	QPSK	1	0	Front	10mm	Ant 4	DSI 17	Reduced	26340	1880	19.12	20.00	1.225	0.01	0.139	0.170	
LTE Band 25	20M	QPSK	1	0	Back	10mm	Ant 4	DSI 17	Reduced	26340	1880	19.12	20.00	1.225	0.06	0.151	0.185	
LTE Band 25	20M	QPSK	1	0	Right Side	10mm	Ant 4	DSI 17	Reduced	26340	1880	19.12	20.00	1.225	-0.06	0.076	0.093	
LTE Band 25	20M	QPSK	1	0	Bottom Side	10mm	Ant 4	DSI 17	Reduced	26340	1880	19.12	20.00	1.225	-0.11	0.360	0.441	
LTE Band 25	20M	QPSK	50	0	Front	10mm	Ant 4	DSI 17	Reduced	26340	1880	19.10	20.00	1.230	0.15	0.136	0.167	
LTE Band 25	20M	QPSK	50	0	Back	10mm	Ant 4	DSI 17	Reduced	26340	1880	19.10	20.00	1.230	-0.03	0.152	0.187	
LTE Band 25	20M	QPSK	50	0	Right Side	10mm	Ant 4	DSI 17	Reduced	26340	1880	19.10	20.00	1.230	0.09	0.076	0.094	
LTE Band 25	20M	QPSK	50	0	Bottom Side	10mm	Ant 4	DSI 17	Reduced	26340	1880	19.10	20.00	1.230	0.08	0.315	0.388	
LTE Band 7	20M	QPSK	1	0	Front	10mm	Ant 3	DSI 17	Reduced	21100	2535	17.82	19.00	1.312	-0.03	0.193	0.253	
LTE Band 7	20M	QPSK	1	0	Back	10mm	Ant 3	DSI 17	Reduced	21100	2535	17.82	19.00	1.312	-0.03	0.274	0.360	
LTE Band 7	20M	QPSK	1	0	Left Side	10mm	Ant 3	DSI 17	Reduced	21100	2535	17.82	19.00	1.312	0.17	0.115	0.151	
LTE Band 7	20M	QPSK	1	0	Top Side	10mm	Ant 3	DSI 17	Reduced	21100	2535	17.82	19.00	1.312	0.08	0.549	0.720	
LTE Band 7	20M	QPSK	50	0	Front	10mm	Ant 3	DSI 17	Reduced	21100	2535	17.78	19.00	1.324	0.14	0.187	0.248	
LTE Band 7	20M	QPSK	50	0	Back	10mm	Ant 3	DSI 17	Reduced	21100	2535	17.78	19.00	1.324	-0.02	0.275	0.364	
LTE Band 7	20M	QPSK	50	0	Left Side	10mm	Ant 3	DSI 17	Reduced	21100	2535	17.78	19.00	1.324	-0.06	0.116	0.154	
39	LTE Band 7	20M	QPSK	50	0	Top Side	10mm	Ant 3	DSI 17	Reduced	21100	2535	17.78	19.00	1.324	-0.12	0.624	0.826
LTE Band 7C	20M	QPSK	50	0	Top Side	10mm	Ant 3	DSI 17	Reduced	21100+20902	2535+2515.2	17.76	19.00	1.330	0.05	0.610	0.812	
LTE Band 7	20M	QPSK	50	0	Top Side	10mm	Ant 3	DSI 17	Reduced	20850	2510	17.64	19.00	1.368	0.03	0.577	0.789	
LTE Band 7	20M	QPSK	50	0	Top Side	10mm	Ant 3	DSI 17	Reduced	21350	2560	17.61	19.00	1.377	-0.05	0.566	0.780	
LTE Band 7	20M	QPSK	100	0	Top Side	10mm	Ant 3	DSI 17	Reduced	21100	2535	17.68	19.00	1.355	0.02	0.545	0.739	
LTE Band 7	20M	QPSK	1	0	Front	10mm	Ant 4	DSI 17	Reduced	21100	2535	20.57	21.50	1.239	-0.15	0.305	0.378	
LTE Band 7	20M	QPSK	1	0	Back	10mm	Ant 4	DSI 17	Reduced	21100	2535	20.57	21.50	1.239	0.19	0.298	0.369	
LTE Band 7	20M	QPSK	1	0	Right Side	10mm	Ant 4	DSI 17	Reduced	21100	2535	20.57	21.50	1.239	0.19	0.142	0.176	
LTE Band 7	20M	QPSK	1	0	Bottom Side	10mm	Ant 4	DSI 17	Reduced	21100	2535	20.57	21.50	1.239	0.16	0.315	0.390	
LTE Band 7	20M	QPSK	50	0	Front	10mm	Ant 4	DSI 17	Reduced	21100	2535	20.47	21.50	1.268	0.09	0.377	0.478	
LTE Band 7	20M	QPSK	50	0	Back	10mm	Ant 4	DSI 17	Reduced	21100	2535	20.47	21.50	1.268	0.19	0.310	0.393	
LTE Band 7	20M	QPSK	50	0	Right Side	10mm	Ant 4	DSI 17	Reduced	21100	2535	20.47	21.50	1.268	0.17	0.154	0.195	
LTE Band 7	20M	QPSK	50	0	Bottom Side	10mm	Ant 4	DSI 17	Reduced	21100	2535	20.47	21.50	1.268	-0.06	0.403	0.511	
LTE Band 7C	20M	QPSK	50	0	Bottom Side	10mm	Ant 4	DSI 17	Reduced	21100+20902	2535+2515.2	20.43	21.50	1.279	0.09	0.456	0.583	
LTE Band 7_Inter-CA	20M	QPSK	1	0	Front	10mm	Ant 3	DSI 17	Reduced	21100	2535	16.22	17.00	1.197	-0.08	0.171	0.205	
LTE Band 7_Inter-CA	20M	QPSK	1	0	Back	10mm	Ant 3	DSI 17	Reduced	21100	2535	16.22	17.00	1.197	-0.12	0.246	0.294	
LTE Band 7_Inter-CA	20M	QPSK	1	0	Left Side	10mm	Ant 3	DSI 17	Reduced	21100	2535	16.22	17.00	1.197	-0.01	0.060	0.072	
LTE Band 7_Inter-CA	20M	QPSK	1	0	Top Side	10mm	Ant 3	DSI 17	Reduced	21100	2535	16.22	17.00	1.197	0.12	0.539	0.645	
LTE Band 7_Inter-CA	20M	QPSK	50	0	Front	10mm	Ant 3	DSI 17	Reduced	21100	2535	16.15	17.00	1.216	0.15	0.180	0.219	



LTE Band 7_Inter-CA	20M	QPSK	50	0	Back	10mm	Ant 3	DSI 17	Reduced	21100	2535	16.15	17.00	1.216	0.04	0.257	0.313
LTE Band 7_Inter-CA	20M	QPSK	50	0	Left Side	10mm	Ant 3	DSI 17	Reduced	21100	2535	16.15	17.00	1.216	-0.13	0.068	0.083
LTE Band 7_Inter-CA	20M	QPSK	50	0	Top Side	10mm	Ant 3	DSI 17	Reduced	21100	2535	16.15	17.00	1.216	0.07	0.615	0.748
LTE Band 7_Inter-CA	20M	QPSK	1	0	Front	10mm	Ant 6	DSI 17	Full	21100	2535	20.05	20.50	1.109	-0.07	0.132	0.146
LTE Band 7_Inter-CA	20M	QPSK	1	0	Back	10mm	Ant 6	DSI 17	Full	21100	2535	20.05	20.50	1.109	-0.08	0.264	0.293
LTE Band 7_Inter-CA	20M	QPSK	1	0	Right Side	10mm	Ant 6	DSI 17	Full	21100	2535	20.05	20.50	1.109	-0.05	0.511	0.567
LTE Band 7_Inter-CA	20M	QPSK	1	0	Top Side	10mm	Ant 6	DSI 17	Full	21100	2535	20.05	20.50	1.109	-	n/a	n/a
LTE Band 7_Inter-CA	20M	QPSK	50	0	Front	10mm	Ant 6	DSI 17	Full	21100	2535	19.30	19.50	1.047	-0.15	0.124	0.130
LTE Band 7_Inter-CA	20M	QPSK	50	0	Back	10mm	Ant 6	DSI 17	Full	21100	2535	19.30	19.50	1.047	-0.05	0.179	0.187
LTE Band 7_Inter-CA	20M	QPSK	50	0	Right Side	10mm	Ant 6	DSI 17	Full	21100	2535	19.30	19.50	1.047	-0.03	0.359	0.376
LTE Band 7_Inter-CA	20M	QPSK	50	0	Top Side	10mm	Ant 6	DSI 17	Full	21100	2535	19.30	19.50	1.047	-	n/a	n/a
ENDC																	
LTE Band 7	20M	QPSK	1	0	Front	10mm	Ant 3	DSI 17	Reduced	21100	2535	16.22	17.00	1.197	-0.08	0.171	0.205
LTE Band 7	20M	QPSK	1	0	Back	10mm	Ant 3	DSI 17	Reduced	21100	2535	16.22	17.00	1.197	-0.12	0.246	0.294
LTE Band 7	20M	QPSK	1	0	Left Side	10mm	Ant 3	DSI 17	Reduced	21100	2535	16.22	17.00	1.197	-0.01	0.060	0.072
LTE Band 7	20M	QPSK	1	0	Top Side	10mm	Ant 3	DSI 17	Reduced	21100	2535	16.22	17.00	1.197	0.12	0.539	0.645
LTE Band 7	20M	QPSK	50	0	Front	10mm	Ant 3	DSI 17	Reduced	21100	2535	16.15	17.00	1.216	0.15	0.180	0.219
LTE Band 7	20M	QPSK	50	0	Back	10mm	Ant 3	DSI 17	Reduced	21100	2535	16.15	17.00	1.216	0.04	0.257	0.313
LTE Band 7	20M	QPSK	50	0	Left Side	10mm	Ant 3	DSI 17	Reduced	21100	2535	16.15	17.00	1.216	-0.13	0.068	0.083
LTE Band 7	20M	QPSK	50	0	Top Side	10mm	Ant 3	DSI 17	Reduced	21100	2535	16.15	17.00	1.216	0.07	0.615	0.748
LTE Band 7	20M	QPSK	1	0	Front	10mm	Ant 4	DSI 17	Reduced	21100	2535	17.82	18.50	1.169	0.15	0.173	0.202
LTE Band 7	20M	QPSK	1	0	Back	10mm	Ant 4	DSI 17	Reduced	21100	2535	17.82	18.50	1.169	-0.11	0.135	0.158
LTE Band 7	20M	QPSK	1	0	Right Side	10mm	Ant 4	DSI 17	Reduced	21100	2535	17.82	18.50	1.169	0.01	0.078	0.091
LTE Band 7	20M	QPSK	1	0	Bottom Side	10mm	Ant 4	DSI 17	Reduced	21100	2535	17.82	18.50	1.169	0.01	0.231	0.270
LTE Band 7	20M	QPSK	50	0	Front	10mm	Ant 4	DSI 17	Reduced	21100	2535	17.79	18.50	1.178	0.03	0.168	0.198
LTE Band 7	20M	QPSK	50	0	Back	10mm	Ant 4	DSI 17	Reduced	21100	2535	17.79	18.50	1.178	0.14	0.129	0.152
LTE Band 7	20M	QPSK	50	0	Right Side	10mm	Ant 4	DSI 17	Reduced	21100	2535	17.79	18.50	1.178	0.12	0.077	0.091
LTE Band 7	20M	QPSK	50	0	Bottom Side	10mm	Ant 4	DSI 17	Reduced	21100	2535	17.79	18.50	1.178	0.16	0.159	0.187
LTE Band 7	20M	QPSK	1	0	Front	10mm	Ant 5	DSI 17	Reduced	21100	2535	17.07	18.00	1.239	0.02	0.159	0.197
LTE Band 7	20M	QPSK	1	0	Back	10mm	Ant 5	DSI 17	Reduced	21100	2535	17.07	18.00	1.239	0.07	0.223	0.276
LTE Band 7	20M	QPSK	1	0	Left Side	10mm	Ant 5	DSI 17	Reduced	21100	2535	17.07	18.00	1.239	0.08	0.447	0.554
LTE Band 7	20M	QPSK	1	0	Top Side	10mm	Ant 5	DSI 17	Reduced	21100	2535	17.07	18.00	1.239	-0.15	0.045	0.056
LTE Band 7	20M	QPSK	50	0	Front	10mm	Ant 5	DSI 17	Reduced	21100	2535	16.98	18.00	1.265	0.18	0.148	0.187
LTE Band 7	20M	QPSK	50	0	Back	10mm	Ant 5	DSI 17	Reduced	21100	2535	16.98	18.00	1.265	0.19	0.213	0.269
LTE Band 7	20M	QPSK	50	0	Left Side	10mm	Ant 5	DSI 17	Reduced	21100	2535	16.98	18.00	1.265	-0.19	0.351	0.444
LTE Band 7	20M	QPSK	50	0	Top Side	10mm	Ant 5	DSI 17	Reduced	21100	2535	16.98	18.00	1.265	-0.09	0.043	0.054
LTE Band 7	20M	QPSK	1	0	Front	10mm	Ant 6	DSI 17	Reduced	21100	2535	19.13	20.00	1.222	0.07	0.111	0.136
LTE Band 7	20M	QPSK	1	0	Back	10mm	Ant 6	DSI 17	Reduced	21100	2535	19.13	20.00	1.222	-0.14	0.169	0.206
LTE Band 7	20M	QPSK	1	0	Right Side	10mm	Ant 6	DSI 17	Reduced	21100	2535	19.13	20.00	1.222	-0.01	0.404	0.494
LTE Band 7	20M	QPSK	1	0	Top Side	10mm	Ant 6	DSI 17	Reduced	21100	2535	19.13	20.00	1.222	-	n/a	n/a
LTE Band 7	20M	QPSK	50	0	Front	10mm	Ant 6	DSI 17	Reduced	21100	2535	19.11	20.00	1.227	0.08	0.110	0.135
LTE Band 7	20M	QPSK	50	0	Back	10mm	Ant 6	DSI 17	Reduced	21100	2535	19.11	20.00	1.227	0.04	0.165	0.203
LTE Band 7	20M	QPSK	50	0	Right Side	10mm	Ant 6	DSI 17	Reduced	21100	2535	19.11	20.00	1.227	-0.02	0.329	0.404
LTE Band 7	20M	QPSK	50	0	Top Side	10mm	Ant 6	DSI 17	Reduced	21100	2535	19.11	20.00	1.227	-	n/a	n/a



<TDD LTE SAR>

Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Test Position	Gap (mm)	Antenna	Power State	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 38	20M	QPSK	1	99	Front	10mm	Ant 3	DSI 17	Reduced	38000	2595	19.19	20.00	1.205	62.9	1.006	0.11	0.151	0.183
	LTE Band 38	20M	QPSK	1	99	Back	10mm	Ant 3	DSI 17	Reduced	38000	2595	19.19	20.00	1.205	62.9	1.006	-0.06	0.231	0.280
	LTE Band 38	20M	QPSK	1	99	Left Side	10mm	Ant 3	DSI 17	Reduced	38000	2595	19.19	20.00	1.205	62.9	1.006	0.15	0.088	0.107
	LTE Band 38	20M	QPSK	1	99	Top Side	10mm	Ant 3	DSI 17	Reduced	38000	2595	19.19	20.00	1.205	62.9	1.006	-0.07	0.513	0.622
	LTE Band 38	20M	QPSK	50	24	Front	10mm	Ant 3	DSI 17	Reduced	38000	2595	19.18	20.00	1.208	62.9	1.006	0.01	0.155	0.188
	LTE Band 38	20M	QPSK	50	24	Back	10mm	Ant 3	DSI 17	Reduced	38000	2595	19.18	20.00	1.208	62.9	1.006	-0.16	0.238	0.289
	LTE Band 38	20M	QPSK	50	24	Left Side	10mm	Ant 3	DSI 17	Reduced	38000	2595	19.18	20.00	1.208	62.9	1.006	0.17	0.103	0.125
40	LTE Band 38	20M	QPSK	50	24	Top Side	10mm	Ant 3	DSI 17	Reduced	38000	2595	19.18	20.00	1.208	62.9	1.006	0.05	0.520	0.632
	LTE Band 38C	20M	QPSK	50	24	Top Side	10mm	Ant 3	DSI 17	Reduced	37901+38099	2585.1+2604.9	19.08	20.00	1.236	62.9	1.006	0.03	0.489	0.608
	LTE Band 38	20M	QPSK	1	99	Front	10mm	Ant 4	DSI 17	Reduced	38000	2595	23.18	24.00	1.208	62.9	1.006	-0.05	0.396	0.481
	LTE Band 38	20M	QPSK	1	99	Back	10mm	Ant 4	DSI 17	Reduced	38000	2595	23.18	24.00	1.208	62.9	1.006	0.12	0.379	0.461
	LTE Band 38	20M	QPSK	1	99	Right Side	10mm	Ant 4	DSI 17	Reduced	38000	2595	23.18	24.00	1.208	62.9	1.006	0.13	0.164	0.199
	LTE Band 38	20M	QPSK	1	99	Bottom Side	10mm	Ant 4	DSI 17	Reduced	38000	2595	23.18	24.00	1.208	62.9	1.006	0.07	0.505	0.614
	LTE Band 38C	20M	QPSK	1	99	Bottom Side	10mm	Ant 4	DSI 17	Reduced	37901+38099	2585.1+2604.9	22.91	24.00	1.285	62.9	1.006	0.03	0.425	0.550
	LTE Band 38	20M	QPSK	50	24	Front	10mm	Ant 4	DSI 17	Reduced	38000	2595	22.65	23.50	1.216	62.9	1.006	-0.05	0.322	0.394
	LTE Band 38	20M	QPSK	50	24	Back	10mm	Ant 4	DSI 17	Reduced	38000	2595	22.65	23.50	1.216	62.9	1.006	-0.14	0.309	0.378
	LTE Band 38	20M	QPSK	50	24	Right Side	10mm	Ant 4	DSI 17	Reduced	38000	2595	22.65	23.50	1.216	62.9	1.006	0.17	0.149	0.182
	LTE Band 38	20M	QPSK	50	24	Bottom Side	10mm	Ant 4	DSI 17	Reduced	38000	2595	22.65	23.50	1.216	62.9	1.006	-0.19	0.418	0.511
	LTE Band 41	20M	QPSK	1	99	Front	10mm	Ant 3	DSI 17	Reduced	40620	2593	18.66	19.50	1.213	62.9	1.006	-0.02	0.158	0.193
	LTE Band 41	20M	QPSK	1	99	Back	10mm	Ant 3	DSI 17	Reduced	40620	2593	18.66	19.50	1.213	62.9	1.006	-0.18	0.207	0.253
	LTE Band 41	20M	QPSK	1	99	Left Side	10mm	Ant 3	DSI 17	Reduced	40620	2593	18.66	19.50	1.213	62.9	1.006	-0.17	0.080	0.098
41	LTE Band 41	20M	QPSK	1	99	Top Side	10mm	Ant 3	DSI 17	Reduced	40620	2593	18.66	19.50	1.213	62.9	1.006	0.02	0.548	0.669
	LTE Band 41C	20M	QPSK	1	99	Top Side	10mm	Ant 3	DSI 17	Reduced	40620+40422	2593+2573.2	18.36	19.50	1.300	62.9	1.006	0.02	0.506	0.662
	LTE Band 41	20M	QPSK	1	99	Top Side	10mm	Ant 3	DSI 17	Reduced	39750	2506	18.65	19.50	1.216	62.9	1.006	0.18	0.488	0.597
	LTE Band 41	20M	QPSK	1	99	Top Side	10mm	Ant 3	DSI 17	Reduced	40185	2549.5	18.52	19.50	1.253	62.9	1.006	0.04	0.496	0.625
	LTE Band 41	20M	QPSK	1	99	Top Side	10mm	Ant 3	DSI 17	Reduced	41055	2636.5	18.56	19.50	1.242	62.9	1.006	-0.15	0.452	0.565
	LTE Band 41	20M	QPSK	1	99	Top Side	10mm	Ant 3	DSI 17	Reduced	41490	2680	18.60	19.50	1.230	62.9	1.006	0.04	0.411	0.509
	LTE Band 41	20M	QPSK	50	24	Front	10mm	Ant 3	DSI 17	Reduced	40620	2593	18.59	19.50	1.233	62.9	1.006	0.14	0.128	0.159
	LTE Band 41	20M	QPSK	50	24	Back	10mm	Ant 3	DSI 17	Reduced	40620	2593	18.59	19.50	1.233	62.9	1.006	0.02	0.174	0.216
	LTE Band 41	20M	QPSK	50	24	Left Side	10mm	Ant 3	DSI 17	Reduced	40620	2593	18.59	19.50	1.233	62.9	1.006	-0.05	0.090	0.112
	LTE Band 41	20M	QPSK	50	24	Top Side	10mm	Ant 3	DSI 17	Reduced	40620	2593	18.59	19.50	1.233	62.9	1.006	0.1	0.480	0.595
	LTE Band 41	20M	QPSK	100	0	Top Side	10mm	Ant 3	DSI 17	Reduced	40620	2593	18.51	19.50	1.256	62.9	1.006	-0.03	0.511	0.646
	LTE Band 41	20M	QPSK	1	99	Front	10mm	Ant 4	DSI 17	Full	40620	2593	23.78	24.00	1.052	62.9	1.006	-0.05	0.396	0.419
	LTE Band 41	20M	QPSK	1	99	Back	10mm	Ant 4	DSI 17	Full	40620	2593	23.78	24.00	1.052	62.9	1.006	0.12	0.379	0.401
	LTE Band 41	20M	QPSK	1	99	Right Side	10mm	Ant 4	DSI 17	Full	40620	2593	23.78	24.00	1.052	62.9	1.006	-0.19	0.160	0.169
	LTE Band 41	20M	QPSK	1	99	Bottom Side	10mm	Ant 4	DSI 17	Full	40620	2593	23.78	24.00	1.052	62.9	1.006	0.19	0.504	0.533
	LTE Band 41C	20M	QPSK	1	99	Bottom Side	10mm	Ant 4	DSI 17	Full	40620+40422	2593+2573.2	22.72	24.00	1.343	62.9	1.006	0.03	0.367	0.496
	LTE Band 41	20M	QPSK	50	24	Front	10mm	Ant 4	DSI 17	Full	40620	2593	22.73	23.00	1.064	62.9	1.006	-0.05	0.322	0.345
	LTE Band 41	20M	QPSK	50	24	Back	10mm	Ant 4	DSI 17	Full	40620	2593	22.73	23.00	1.064	62.9	1.006	-0.14	0.309	0.331
	LTE Band 41	20M	QPSK	50	24	Right Side	10mm	Ant 4	DSI 17	Full	40620	2593	22.73	23.00	1.064	62.9	1.006	-0.19	0.135	0.145
	LTE Band 41	20M	QPSK	50	24	Bottom Side	10mm	Ant 4	DSI 17	Full	40620	2593	22.73	23.00	1.064	62.9	1.006	-0.14	0.369	0.395
	LTE Band 41-PC2	20M	QPSK	1	99	Front	10mm	Ant 3	DSI 17	Reduced	40620	2593	20.93	21.50	1.140	42.9	1.009	0.12	0.138	0.159
	LTE Band 41-PC2	20M	QPSK	1	99	Back	10mm	Ant 3	DSI 17	Reduced	40620	2593	20.93	21.50	1.140	42.9	1.009	0.18	0.206	0.237
	LTE Band 41-PC2	20M	QPSK	1	99	Left Side	10mm	Ant 3	DSI 17	Reduced	40620	2593	20.93	21.50	1.140	42.9	1.009	0.1	0.066	0.076
	LTE Band 41-PC2	20M	QPSK	1	99	Top Side	10mm	Ant 3	DSI 17	Reduced	40620	2593	20.93	21.50	1.140	42.9	1.009	0.13	0.562	0.647
	LTE Band 41-PC2	20M	QPSK	1	99	Top Side	10mm	Ant 3	DSI 17	Reduced	39750	2506	20.80	21.50	1.175	42.9	1.009	0.02	0.483	0.573
	LTE Band 41-PC2	20M	QPSK	1	99	Top Side	10mm	Ant 3	DSI 17	Reduced	40185	2549.5	20.81	21.50	1.172	42.9	1.009	0.17	0.530	0.627
	LTE Band 41-PC2	20M	QPSK	1	99	Top Side	10mm	Ant 3	DSI 17	Reduced	41055	2636.5	20.78	21.50	1.180	42.9	1.009	-0.09	0.454	0.541
	LTE Band 41-PC2	20M	QPSK	1	99	Top Side	10mm	Ant 3	DSI 17	Reduced	41490	2680	20.92	21.50	1.143	42.9	1.009	-0.12	0.357	0.412
	LTE Band 41-PC2	20M	QPSK	50	24	Front	10mm	Ant 3	DSI 17	Reduced	40620	2593	20.89	21.50	1.151	42.9	1.009	0.06	0.139	0.161





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LTE Band 41-PC2	20M	QPSK	50	24	Back	10mm	Ant 3	DSI 17	Reduced	40620	2593	20.89	21.50	1.151	42.9	1.009	0.13	0.200	0.232
LTE Band 41-PC2	20M	QPSK	50	24	Left Side	10mm	Ant 3	DSI 17	Reduced	40620	2593	20.89	21.50	1.151	42.9	1.009	0.02	0.077	0.089
LTE Band 41-PC2	20M	QPSK	50	24	Top Side	10mm	Ant 3	DSI 17	Reduced	40620	2593	20.89	21.50	1.151	42.9	1.009	0.13	0.505	0.586
LTE Band 41-PC2	20M	QPSK	100	0	Top Side	10mm	Ant 3	DSI 17	Reduced	40620	2593	20.82	21.50	1.169	42.9	1.009	-0.17	0.503	0.594
LTE Band 41-PC2	20M	QPSK	1	99	Front	10mm	Ant 4	DSI 17	Full	40620	2593	25.52	26.00	1.117	42.9	1.009	0.14	0.411	0.463
LTE Band 41-PC2	20M	QPSK	1	99	Back	10mm	Ant 4	DSI 17	Full	40620	2593	25.52	26.00	1.117	42.9	1.009	-0.11	0.402	0.453
LTE Band 41-PC2	20M	QPSK	1	99	Right Side	10mm	Ant 4	DSI 17	Full	40620	2593	25.52	26.00	1.117	42.9	1.009	0.06	0.173	0.195
LTE Band 41-PC2	20M	QPSK	1	99	Bottom Side	10mm	Ant 4	DSI 17	Full	40620	2593	25.52	26.00	1.117	42.9	1.009	-0.02	0.557	0.628
LTE Band 41-PC2	20M	QPSK	1	99	Bottom Side	10mm	Ant 4	DSI 17	Full	39750	2506	25.38	26.00	1.153	42.9	1.009	0.15	0.361	0.420
LTE Band 41-PC2	20M	QPSK	1	99	Bottom Side	10mm	Ant 4	DSI 17	Full	40185	2549.5	25.35	26.00	1.161	42.9	1.009	0.08	0.484	0.567
LTE Band 41-PC2	20M	QPSK	1	99	Bottom Side	10mm	Ant 4	DSI 17	Full	41055	2636.5	25.33	26.00	1.167	42.9	1.009	-0.16	0.476	0.560
LTE Band 41-PC2	20M	QPSK	1	99	Bottom Side	10mm	Ant 4	DSI 17	Full	41490	2680	25.37	26.00	1.156	42.9	1.009	0.07	0.395	0.461
LTE Band 41-PC2	20M	QPSK	50	24	Front	10mm	Ant 4	DSI 17	Full	40620	2593	24.51	25.00	1.119	42.9	1.009	0.04	0.355	0.401
LTE Band 41-PC2	20M	QPSK	50	24	Back	10mm	Ant 4	DSI 17	Full	40620	2593	24.51	25.00	1.119	42.9	1.009	0.04	0.342	0.386
LTE Band 41-PC2	20M	QPSK	50	24	Right Side	10mm	Ant 4	DSI 17	Full	40620	2593	24.51	25.00	1.119	42.9	1.009	-0.07	0.146	0.165
LTE Band 41-PC2	20M	QPSK	50	24	Bottom Side	10mm	Ant 4	DSI 17	Full	40620	2593	24.51	25.00	1.119	42.9	1.009	-0.15	0.376	0.425
LTE Band 41-PC2	20M	QPSK	100	0	Bottom Side	10mm	Ant 4	DSI 17	Full	40620	2593	24.46	25.00	1.132	42.9	1.009	-0.15	0.411	0.470



<5G NR SAR>

Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Mode	Test Position	Gap (mm)	Antenna	Power State	Power Reduction	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)
	FR1 n12	15M	QPSK	1	1	DFT-15	Front	10mm	Ant 0	DSI 17	Full	141500	707.5	23.26	24.20	1.242	0.18	0.206	0.256
	FR1 n12	15M	QPSK	1	1	DFT-15	Back	10mm	Ant 0	DSI 17	Full	141500	707.5	23.26	24.20	1.242	0.15	0.265	0.329
	FR1 n12	15M	QPSK	1	1	DFT-15	Left Side	10mm	Ant 0	DSI 17	Full	141500	707.5	23.26	24.20	1.242	0.17	0.499	0.620
	FR1 n12	15M	QPSK	1	1	DFT-15	Top Side	10mm	Ant 0	DSI 17	Full	141500	707.5	23.26	24.20	1.242	0.01	0.003	0.004
	FR1 n12	15M	QPSK	36	22	DFT-15	Front	10mm	Ant 0	DSI 17	Full	141500	707.5	23.22	24.20	1.253	-0.18	0.213	0.267
	FR1 n12	15M	QPSK	36	22	DFT-15	Back	10mm	Ant 0	DSI 17	Full	141500	707.5	23.22	24.20	1.253	-0.01	0.342	0.429
42	FR1 n12	15M	QPSK	36	22	DFT-15	Left Side	10mm	Ant 0	DSI 17	Full	141500	707.5	23.22	24.20	1.253	-0.15	0.547	0.685
	FR1 n12	15M	QPSK	36	22	DFT-15	Top Side	10mm	Ant 0	DSI 17	Full	141500	707.5	23.22	24.20	1.253	-0.1	0.003	0.004
	FR1 n12	15M	QPSK	1	1	DFT-15	Front	10mm	Ant 1	DSI 17	Full	141500	707.5	22.91	24.20	1.346	-0.03	0.047	0.063
	FR1 n12	15M	QPSK	1	1	DFT-15	Back	10mm	Ant 1	DSI 17	Full	141500	707.5	22.91	24.20	1.346	-0.02	0.058	0.078
	FR1 n12	15M	QPSK	1	1	DFT-15	Left Side	10mm	Ant 1	DSI 17	Full	141500	707.5	22.91	24.20	1.346	0.02	0.032	0.043
	FR1 n12	15M	QPSK	1	1	DFT-15	Right Side	10mm	Ant 1	DSI 17	Full	141500	707.5	22.91	24.20	1.346	-0.18	0.044	0.059
	FR1 n12	15M	QPSK	1	1	DFT-15	Bottom Side	10mm	Ant 1	DSI 17	Full	141500	707.5	22.91	24.20	1.346	-0.1	0.024	0.033
	FR1 n12	15M	QPSK	36	22	DFT-15	Front	10mm	Ant 1	DSI 17	Full	141500	707.5	22.78	24.20	1.387	0.05	0.045	0.062
	FR1 n12	15M	QPSK	36	22	DFT-15	Back	10mm	Ant 1	DSI 17	Full	141500	707.5	22.78	24.20	1.387	-0.19	0.058	0.080
	FR1 n12	15M	QPSK	36	22	DFT-15	Left Side	10mm	Ant 1	DSI 17	Full	141500	707.5	22.78	24.20	1.387	-0.14	0.031	0.043
	FR1 n12	15M	QPSK	36	22	DFT-15	Right Side	10mm	Ant 1	DSI 17	Full	141500	707.5	22.78	24.20	1.387	-0.15	0.044	0.061
	FR1 n12	15M	QPSK	36	22	DFT-15	Bottom Side	10mm	Ant 1	DSI 17	Full	141500	707.5	22.78	24.20	1.387	-0.15	0.022	0.031
	FR1 n13	10M	QPSK	1	1	DFT-15	Front	10mm	Ant 0	DSI 17	Full	156400	782	23.05	24.20	1.303	0.03	0.139	0.181
	FR1 n13	10M	QPSK	1	1	DFT-15	Back	10mm	Ant 0	DSI 17	Full	156400	782	23.05	24.20	1.303	-0.09	0.175	0.228
	FR1 n13	10M	QPSK	1	1	DFT-15	Left Side	10mm	Ant 0	DSI 17	Full	156400	782	23.05	24.20	1.303	0.09	0.258	0.336
	FR1 n13	10M	QPSK	1	1	DFT-15	Top Side	10mm	Ant 0	DSI 17	Full	156400	782	23.05	24.20	1.303	-0.06	0.003	0.004
	FR1 n13	10M	QPSK	25	14	DFT-15	Front	10mm	Ant 0	DSI 17	Full	156400	782	23.04	24.20	1.306	-0.01	0.141	0.184
	FR1 n13	10M	QPSK	25	14	DFT-15	Back	10mm	Ant 0	DSI 17	Full	156400	782	23.04	24.20	1.306	0.01	0.196	0.256
43	FR1 n13	10M	QPSK	25	14	DFT-15	Left Side	10mm	Ant 0	DSI 17	Full	156400	782	23.04	24.20	1.306	0.06	0.261	0.341
	FR1 n13	10M	QPSK	25	14	DFT-15	Top Side	10mm	Ant 0	DSI 17	Full	156400	782	23.04	24.20	1.306	-0.15	0.003	0.003
	FR1 n13	10M	QPSK	1	1	DFT-15	Front	10mm	Ant 1	DSI 17	Full	156400	782	22.84	24.20	1.368	0.13	0.183	0.250
	FR1 n13	10M	QPSK	1	1	DFT-15	Back	10mm	Ant 1	DSI 17	Full	156400	782	22.84	24.20	1.368	-0.11	0.220	0.301
	FR1 n13	10M	QPSK	1	1	DFT-15	Left Side	10mm	Ant 1	DSI 17	Full	156400	782	22.84	24.20	1.368	-0.14	0.048	0.066
	FR1 n13	10M	QPSK	1	1	DFT-15	Right Side	10mm	Ant 1	DSI 17	Full	156400	782	22.84	24.20	1.368	-0.02	0.104	0.142
	FR1 n13	10M	QPSK	1	1	DFT-15	Bottom Side	10mm	Ant 1	DSI 17	Full	156400	782	22.84	24.20	1.368	-0.02	0.137	0.187
	FR1 n13	10M	QPSK	25	14	DFT-15	Front	10mm	Ant 1	DSI 17	Full	156400	782	22.82	24.20	1.374	0.05	0.184	0.253
	FR1 n13	10M	QPSK	25	14	DFT-15	Back	10mm	Ant 1	DSI 17	Full	156400	782	22.82	24.20	1.374	0.02	0.222	0.305
	FR1 n13	10M	QPSK	25	14	DFT-15	Left Side	10mm	Ant 1	DSI 17	Full	156400	782	22.82	24.20	1.374	0.15	0.045	0.062
	FR1 n13	10M	QPSK	25	14	DFT-15	Right Side	10mm	Ant 1	DSI 17	Full	156400	782	22.82	24.20	1.374	0.02	0.102	0.140
	FR1 n13	10M	QPSK	25	14	DFT-15	Bottom Side	10mm	Ant 1	DSI 17	Full	156400	782	22.82	24.20	1.374	-0.15	0.138	0.190
	FR1 n5	20M	QPSK	1	1	DFT-15	Front	10mm	Ant 0	DSI 17	Full	167300	836.5	23.05	24.20	1.303	0.08	0.210	0.274
	FR1 n5	20M	QPSK	1	1	DFT-15	Back	10mm	Ant 0	DSI 17	Full	167300	836.5	23.05	24.20	1.303	-0.07	0.265	0.345
	FR1 n5	20M	QPSK	1	1	DFT-15	Left Side	10mm	Ant 0	DSI 17	Full	167300	836.5	23.05	24.20	1.303	0.06	0.414	0.540
	FR1 n5	20M	QPSK	1	1	DFT-15	Top Side	10mm	Ant 0	DSI 17	Full	167300	836.5	23.05	24.20	1.303	-0.07	0.007	0.009
	FR1 n5	20M	QPSK	50	28	DFT-15	Front	10mm	Ant 0	DSI 17	Full	167300	836.5	22.95	24.20	1.334	0.02	0.212	0.283
	FR1 n5	20M	QPSK	50	28	DFT-15	Back	10mm	Ant 0	DSI 17	Full	167300	836.5	22.95	24.20	1.334	0.05	0.314	0.419
44	FR1 n5	20M	QPSK	50	28	DFT-15	Left Side	10mm	Ant 0	DSI 17	Full	167300	836.5	22.95	24.20	1.334	0.05	0.433	0.577
	FR1 n5	20M	QPSK	50	28	DFT-15	Top Side	10mm	Ant 0	DSI 17	Full	167300	836.5	22.95	24.20	1.334	-0.01	0.008	0.011
	FR1 n5	20M	QPSK	1	1	DFT-15	Front	10mm	Ant 1	DSI 17	Full	167300	836.5	23.20	24.20	1.259	0.19	0.238	0.300
	FR1 n5	20M	QPSK	1	1	DFT-15	Back	10mm	Ant 1	DSI 17	Full	167300	836.5	23.20	24.20	1.259	-0.19	0.307	0.386
	FR1 n5	20M	QPSK	1	1	DFT-15	Left Side	10mm	Ant 1	DSI 17	Full	167300	836.5	23.20	24.20	1.259	-0.1	0.053	0.067
	FR1 n5	20M	QPSK	1	1	DFT-15	Right Side	10mm	Ant 1	DSI 17	Full	167300	836.5	23.20	24.20	1.259	-0.14	0.117	0.147
	FR1 n5	20M	QPSK	1	1	DFT-15	Bottom Side	10mm	Ant 1	DSI 17	Full	167300	836.5	23.20	24.20	1.259	-0.17	0.178	0.224
	FR1 n5	20M	QPSK	50	28	DFT-15	Front	10mm	Ant 1	DSI 17	Full	167300	836.5	23.04	24.20	1.306	0.02	0.249	0.325
	FR1 n5	20M	QPSK	50	28	DFT-15	Back	10mm	Ant 1	DSI 17	Full	167300	836.5	23.04	24.20	1.306	0.01	0.342	0.447
	FR1 n5	20M	QPSK	50	28	DFT-15	Left Side	10mm	Ant 1	DSI 17	Full	167300	836.5	23.04	24.20	1.306	0.11	0.059	0.077



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	FR1 n5	20M	QPSK	50	28	DFT-15	Right Side	10mm	Ant 1	DSI 17	Full	167300	836.5	23.04	24.20	1.306	-0.04	0.125	0.163	
	FR1 n5	20M	QPSK	50	28	DFT-15	Bottom Side	10mm	Ant 1	DSI 17	Full	167300	836.5	23.04	24.20	1.306	-0.02	0.186	0.243	
ENDC																				
	FR1 n5	20M	QPSK	1	1	DFT-15	Front	10mm	Ant 0	DSI 17	Reduced	167300	836.5	17.44	18.70	1.337	0.06	0.063	0.084	
	FR1 n5	20M	QPSK	1	1	DFT-15	Back	10mm	Ant 0	DSI 17	Reduced	167300	836.5	17.44	18.70	1.337	0.02	0.075	0.100	
	FR1 n5	20M	QPSK	1	1	DFT-15	Left Side	10mm	Ant 0	DSI 17	Reduced	167300	836.5	17.44	18.70	1.337	0.08	0.176	0.235	
	FR1 n5	20M	QPSK	1	1	DFT-15	Top Side	10mm	Ant 0	DSI 17	Reduced	167300	836.5	17.44	18.70	1.337	-	n/a	n/a	
	FR1 n5	20M	QPSK	50	28	DFT-15	Front	10mm	Ant 0	DSI 17	Reduced	167300	836.5	17.38	18.70	1.355	0.12	0.061	0.083	
	FR1 n5	20M	QPSK	50	28	DFT-15	Back	10mm	Ant 0	DSI 17	Reduced	167300	836.5	17.38	18.70	1.355	0.03	0.073	0.099	
	FR1 n5	20M	QPSK	50	28	DFT-15	Left Side	10mm	Ant 0	DSI 17	Reduced	167300	836.5	17.38	18.70	1.355	0.06	0.145	0.197	
	FR1 n5	20M	QPSK	50	28	DFT-15	Top Side	10mm	Ant 0	DSI 17	Reduced	167300	836.5	17.38	18.70	1.355	-	n/a	n/a	
	FR1 n5	20M	QPSK	1	1	DFT-15	Front	10mm	Ant 1	DSI 17	Reduced	167300	836.5	17.89	18.70	1.205	-0.12	0.073	0.088	
	FR1 n5	20M	QPSK	1	1	DFT-15	Back	10mm	Ant 1	DSI 17	Reduced	167300	836.5	17.89	18.70	1.205	0.08	0.078	0.094	
	FR1 n5	20M	QPSK	1	1	DFT-15	Left Side	10mm	Ant 1	DSI 17	Reduced	167300	836.5	17.89	18.70	1.205	-	n/a	n/a	
	FR1 n5	20M	QPSK	1	1	DFT-15	Right Side	10mm	Ant 1	DSI 17	Reduced	167300	836.5	17.89	18.70	1.205	-	n/a	n/a	
	FR1 n5	20M	QPSK	1	1	DFT-15	Bottom Side	10mm	Ant 1	DSI 17	Reduced	167300	836.5	17.89	18.70	1.205	0.05	0.043	0.052	
	FR1 n5	20M	QPSK	50	28	DFT-15	Front	10mm	Ant 1	DSI 17	Reduced	167300	836.5	17.85	18.70	1.216	0.08	0.075	0.091	
	FR1 n5	20M	QPSK	50	28	DFT-15	Back	10mm	Ant 1	DSI 17	Reduced	167300	836.5	17.85	18.70	1.216	0.07	0.099	0.120	
	FR1 n5	20M	QPSK	50	28	DFT-15	Left Side	10mm	Ant 1	DSI 17	Reduced	167300	836.5	17.85	18.70	1.216	-	n/a	n/a	
	FR1 n5	20M	QPSK	50	28	DFT-15	Right Side	10mm	Ant 1	DSI 17	Reduced	167300	836.5	17.85	18.70	1.216	-	n/a	n/a	
	FR1 n5	20M	QPSK	50	28	DFT-15	Bottom Side	10mm	Ant 1	DSI 17	Reduced	167300	836.5	17.85	18.70	1.216	0.06	0.049	0.060	
	FR1 n26	20M	QPSK	1	1	DFT-15	Front	10mm	Ant 0	DSI 17	Full	166300	831.5	23.10	24.20	1.288	-0.17	0.050	0.064	
	FR1 n26	20M	QPSK	1	1	DFT-15	Back	10mm	Ant 0	DSI 17	Full	166300	831.5	23.10	24.20	1.288	-0.1	0.063	0.081	
	FR1 n26	20M	QPSK	1	1	DFT-15	Left Side	10mm	Ant 0	DSI 17	Full	166300	831.5	23.10	24.20	1.288	-0.03	0.103	0.133	
	FR1 n26	20M	QPSK	1	1	DFT-15	Top Side	10mm	Ant 0	DSI 17	Full	166300	831.5	23.10	24.20	1.288	-	n/a	n/a	
	FR1 n26	20M	QPSK	50	28	DFT-15	Front	10mm	Ant 0	DSI 17	Full	166300	831.5	22.92	24.20	1.343	-0.1	0.052	0.070	
	FR1 n26	20M	QPSK	50	28	DFT-15	Back	10mm	Ant 0	DSI 17	Full	166300	831.5	22.92	24.20	1.343	0.19	0.072	0.097	
	FR1 n26	20M	QPSK	50	28	DFT-15	Left Side	10mm	Ant 0	DSI 17	Full	166300	831.5	22.92	24.20	1.343	0.01	0.109	0.146	
	FR1 n26	20M	QPSK	50	28	DFT-15	Top Side	10mm	Ant 0	DSI 17	Full	166300	831.5	22.92	24.20	1.343	-	n/a	n/a	
	FR1 n26	20M	QPSK	1	1	DFT-15	Front	10mm	Ant 1	DSI 17	Full	166300	831.5	23.31	24.20	1.227	-0.11	0.113	0.139	
45	FR1 n26	20M	QPSK	1	1	DFT-15	Back	10mm	Ant 1	DSI 17	Full	166300	831.5	23.31	24.20	1.227	0.1	0.211	0.259	
	FR1 n26	20M	QPSK	1	1	DFT-15	Left Side	10mm	Ant 1	DSI 17	Full	166300	831.5	23.31	24.20	1.227	-	n/a	n/a	
	FR1 n26	20M	QPSK	1	1	DFT-15	Right Side	10mm	Ant 1	DSI 17	Full	166300	831.5	23.31	24.20	1.227	0.18	0.051	0.063	
	FR1 n26	20M	QPSK	1	1	DFT-15	Bottom Side	10mm	Ant 1	DSI 17	Full	166300	831.5	23.31	24.20	1.227	-0.1	0.093	0.114	
	FR1 n26	20M	QPSK	50	28	DFT-15	Front	10mm	Ant 1	DSI 17	Full	166300	831.5	23.28	24.20	1.236	0.13	0.120	0.148	
	FR1 n26	20M	QPSK	50	28	DFT-15	Back	10mm	Ant 1	DSI 17	Full	166300	831.5	23.28	24.20	1.236	0.19	0.100	0.124	
	FR1 n26	20M	QPSK	50	28	DFT-15	Left Side	10mm	Ant 1	DSI 17	Full	166300	831.5	23.28	24.20	1.236	-	n/a	n/a	
	FR1 n26	20M	QPSK	50	28	DFT-15	Right Side	10mm	Ant 1	DSI 17	Full	166300	831.5	23.28	24.20	1.236	-0.15	0.053	0.066	
	FR1 n26	20M	QPSK	50	28	DFT-15	Bottom Side	10mm	Ant 1	DSI 17	Full	166300	831.5	23.28	24.20	1.236	0.06	0.095	0.117	
	FR1 n66	40M	QPSK	1	1	DFT-15	Front	10mm	Ant 3	DSI 17	Reduced	349000	1745	17.89	19.70	1.517	-0.15	0.086	0.130	
	FR1 n66	40M	QPSK	1	1	DFT-15	Back	10mm	Ant 3	DSI 17	Reduced	349000	1745	17.89	19.70	1.517	0.01	0.077	0.117	
	FR1 n66	40M	QPSK	1	1	DFT-15	Left Side	10mm	Ant 3	DSI 17	Reduced	349000	1745	17.89	19.70	1.517	-	n/a	n/a	
	FR1 n66	40M	QPSK	1	1	DFT-15	Top Side	10mm	Ant 3	DSI 17	Reduced	349000	1745	17.89	19.70	1.517	-0.1	0.161	0.244	
	FR1 n66	40M	QPSK	108	54	DFT-15	Front	10mm	Ant 3	DSI 17	Reduced	349000	1745	17.85	19.70	1.531	-0.13	0.104	0.159	
	FR1 n66	40M	QPSK	108	54	DFT-15	Back	10mm	Ant 3	DSI 17	Reduced	349000	1745	17.85	19.70	1.531	-0.16	0.082	0.126	
	FR1 n66	40M	QPSK	108	54	DFT-15	Left Side	10mm	Ant 3	DSI 17	Reduced	349000	1745	17.85	19.70	1.531	-	n/a	n/a	
	FR1 n66	40M	QPSK	108	54	DFT-15	Top Side	10mm	Ant 3	DSI 17	Reduced	349000	1745	17.85	19.70	1.531	-0.18	0.181	0.277	
	FR1 n66	40M	QPSK	1	1	DFT-15	Front	10mm	Ant 4	DSI 17	Reduced	349000	1745	21.22	22.20	1.253	0.05	0.367	0.460	
	FR1 n66	40M	QPSK	1	1	DFT-15	Back	10mm	Ant 4	DSI 17	Reduced	349000	1745	21.22	22.20	1.253	0.18	0.423	0.530	
	FR1 n66	40M	QPSK	1	1	DFT-15	Right Side	10mm	Ant 4	DSI 17	Reduced	349000	1745	21.22	22.20	1.253	0.15	0.182	0.228	
	FR1 n66	40M	QPSK	1	1	DFT-15	Bottom Side	10mm	Ant 4	DSI 17	Reduced	349000	1745	21.22	22.20	1.253	-0.19	0.690	0.865	
	FR1 n66	40M	QPSK	108	54	DFT-15	Front	10mm	Ant 4	DSI 17	Reduced	349000	1745	21.09	22.20	1.291	0.08	0.402	0.519	
	FR1 n66	40M	QPSK	108	54	DFT-15	Back	10mm	Ant 4	DSI 17	Reduced	349000	1745	21.09	22.20	1.291	0.11	0.525	0.678	
	FR1 n66	40M	QPSK	108	54	DFT-15	Right Side	10mm	Ant 4	DSI 17	Reduced	349000	1745	21.09	22.20	1.291	-0.02	0.185	0.239	
46	FR1 n66	40M	QPSK	108	54	DFT-15	Bottom Side	10mm	Ant 4	DSI 17	Reduced	349000	1745	21.09	22.20	1.291	0.04	0.815	1.052	
	FR1 n66	40M	QPSK	216	0	DFT-15	Bottom Side	10mm	Ant 4	DSI 17	Reduced	349000	1745	21.03	22.20	1.309	0.08	0.672	0.880	





ENDC																			
	FR1 n66	40M	QPSK	1	1	DFT-15	Front	10mm	Ant 3	DSI 17	Reduced	349000	1745	16.44	17.70	1.337	0.02	0.059	0.079
	FR1 n66	40M	QPSK	1	1	DFT-15	Back	10mm	Ant 3	DSI 17	Reduced	349000	1745	16.44	17.70	1.337	-0.08	0.058	0.078
	FR1 n66	40M	QPSK	1	1	DFT-15	Left Side	10mm	Ant 3	DSI 17	Reduced	349000	1745	16.44	17.70	1.337	-	n/a	n/a
	FR1 n66	40M	QPSK	1	1	DFT-15	Top Side	10mm	Ant 3	DSI 17	Reduced	349000	1745	16.44	17.70	1.337	0.06	0.119	0.159
	FR1 n66	40M	QPSK	108	54	DFT-15	Front	10mm	Ant 3	DSI 17	Reduced	349000	1745	16.40	17.70	1.349	0.08	0.076	0.103
	FR1 n66	40M	QPSK	108	54	DFT-15	Back	10mm	Ant 3	DSI 17	Reduced	349000	1745	16.40	17.70	1.349	0.06	0.070	0.094
	FR1 n66	40M	QPSK	108	54	DFT-15	Left Side	10mm	Ant 3	DSI 17	Reduced	349000	1745	16.40	17.70	1.349	-	n/a	n/a
	FR1 n66	40M	QPSK	108	54	DFT-15	Top Side	10mm	Ant 3	DSI 17	Reduced	349000	1745	16.40	17.70	1.349	0.07	0.163	0.220
	FR1 n66	40M	QPSK	1	1	DFT-15	Front	10mm	Ant 6	DSI 17	Reduced	349000	1745	17.94	18.70	1.191	0.12	0.072	0.086
	FR1 n66	40M	QPSK	1	1	DFT-15	Back	10mm	Ant 6	DSI 17	Reduced	349000	1745	17.94	18.70	1.191	0.08	0.105	0.125
	FR1 n66	40M	QPSK	1	1	DFT-15	Right Side	10mm	Ant 6	DSI 17	Reduced	349000	1745	17.94	18.70	1.191	-0.05	0.171	0.204
	FR1 n66	40M	QPSK	1	1	DFT-15	Top Side	10mm	Ant 6	DSI 17	Reduced	349000	1745	17.94	18.70	1.191	-	n/a	n/a
	FR1 n66	40M	QPSK	108	54	DFT-15	Front	10mm	Ant 6	DSI 17	Reduced	349000	1745	17.87	18.70	1.211	0.04	0.078	0.094
	FR1 n66	40M	QPSK	108	54	DFT-15	Back	10mm	Ant 6	DSI 17	Reduced	349000	1745	17.87	18.70	1.211	0.11	0.118	0.143
	FR1 n66	40M	QPSK	108	54	DFT-15	Right Side	10mm	Ant 6	DSI 17	Reduced	349000	1745	17.87	18.70	1.211	0.02	0.185	0.224
	FR1 n66	40M	QPSK	108	54	DFT-15	Top Side	10mm	Ant 6	DSI 17	Reduced	349000	1745	17.87	18.70	1.211	-	n/a	n/a
	FR1 n2	20M	QPSK	1	1	DFT-15	Front	10mm	Ant 3	DSI 17	Reduced	376000	1880	20.05	21.20	1.303	-0.01	0.408	0.532
	FR1 n2	20M	QPSK	1	1	DFT-15	Back	10mm	Ant 3	DSI 17	Reduced	376000	1880	20.05	21.20	1.303	0.05	0.380	0.495
	FR1 n2	20M	QPSK	1	1	DFT-15	Left Side	10mm	Ant 3	DSI 17	Reduced	376000	1880	20.05	21.20	1.303	-0.12	0.085	0.111
	FR1 n2	20M	QPSK	1	1	DFT-15	Top Side	10mm	Ant 3	DSI 17	Reduced	376000	1880	20.05	21.20	1.303	0.14	0.575	0.749
	FR1 n2	20M	QPSK	50	28	DFT-15	Front	10mm	Ant 3	DSI 17	Reduced	376000	1880	19.98	21.20	1.324	-0.18	0.413	0.547
	FR1 n2	20M	QPSK	50	28	DFT-15	Back	10mm	Ant 3	DSI 17	Reduced	376000	1880	19.98	21.20	1.324	0.02	0.453	0.600
	FR1 n2	20M	QPSK	50	28	DFT-15	Left Side	10mm	Ant 3	DSI 17	Reduced	376000	1880	19.98	21.20	1.324	-0.04	0.092	0.122
	FR1 n2	20M	QPSK	50	28	DFT-15	Top Side	10mm	Ant 3	DSI 17	Reduced	376000	1880	19.98	21.20	1.324	0.09	0.633	0.838
	FR1 n2	20M	QPSK	50	28	DFT-15	Top Side	10mm	Ant 3	DSI 17	Reduced	372000	1860	19.84	21.20	1.368	-0.12	0.566	0.774
	FR1 n2	20M	QPSK	50	28	DFT-15	Top Side	10mm	Ant 3	DSI 17	Reduced	380000	1900	19.77	21.20	1.390	-0.15	0.578	0.803
	FR1 n2	20M	QPSK	100	0	DFT-15	Top Side	10mm	Ant 3	DSI 17	Reduced	376000	1880	19.90	21.20	1.349	0.17	0.602	0.812
	FR1 n2	20M	QPSK	1	1	DFT-15	Front	10mm	Ant 4	DSI 17	Reduced	376000	1880	20.84	22.20	1.368	-0.16	0.234	0.320
	FR1 n2	20M	QPSK	1	1	DFT-15	Back	10mm	Ant 4	DSI 17	Reduced	376000	1880	20.84	22.20	1.368	-0.02	0.312	0.427
	FR1 n2	20M	QPSK	1	1	DFT-15	Right Side	10mm	Ant 4	DSI 17	Reduced	376000	1880	20.84	22.20	1.368	0.12	0.142	0.194
	FR1 n2	20M	QPSK	1	1	DFT-15	Bottom Side	10mm	Ant 4	DSI 17	Reduced	376000	1880	20.84	22.20	1.368	-0.05	0.553	0.756
	FR1 n2	20M	QPSK	50	28	DFT-15	Front	10mm	Ant 4	DSI 17	Reduced	376000	1880	20.81	22.20	1.377	0.07	0.250	0.344
	FR1 n2	20M	QPSK	50	28	DFT-15	Back	10mm	Ant 4	DSI 17	Reduced	376000	1880	20.81	22.20	1.377	0.03	0.384	0.529
	FR1 n2	20M	QPSK	50	28	DFT-15	Right Side	10mm	Ant 4	DSI 17	Reduced	376000	1880	20.81	22.20	1.377	-0.15	0.153	0.211
	FR1 n2	20M	QPSK	50	28	DFT-15	Bottom Side	10mm	Ant 4	DSI 17	Reduced	376000	1880	20.81	22.20	1.377	0.05	0.633	0.872
	FR1 n2	20M	QPSK	50	28	DFT-15	Bottom Side	10mm	Ant 4	DSI 17	Reduced	372000	1860	20.67	22.20	1.422	-0.11	0.553	0.787
47	FR1 n2	20M	QPSK	50	28	DFT-15	Bottom Side	10mm	Ant 4	DSI 17	Reduced	380000	1900	20.57	22.20	1.455	-0.14	0.737	1.073
	FR1 n2	20M	QPSK	100	0	DFT-15	Bottom Side	10mm	Ant 4	DSI 17	Reduced	376000	1880	20.80	22.20	1.380	0.08	0.551	0.761
	FR1 n25	40M	QPSK	1	1	DFT-15	Front	10mm	Ant 3	DSI 17	Reduced	376500	1882.5	19.77	21.20	1.390	0.03	0.079	0.110
	FR1 n25	40M	QPSK	1	1	DFT-15	Back	10mm	Ant 3	DSI 17	Reduced	376500	1882.5	19.77	21.20	1.390	-0.13	0.072	0.100
	FR1 n25	40M	QPSK	1	1	DFT-15	Left Side	10mm	Ant 3	DSI 17	Reduced	376500	1882.5	19.77	21.20	1.390	-	n/a	n/a
	FR1 n25	40M	QPSK	1	1	DFT-15	Top Side	10mm	Ant 3	DSI 17	Reduced	376500	1882.5	19.77	21.20	1.390	0.09	0.174	0.242
	FR1 n25	40M	QPSK	108	54	DFT-15	Front	10mm	Ant 3	DSI 17	Reduced	376500	1882.5	19.64	21.20	1.432	0.11	0.074	0.106
	FR1 n25	40M	QPSK	108	54	DFT-15	Back	10mm	Ant 3	DSI 17	Reduced	376500	1882.5	19.64	21.20	1.432	0.17	0.067	0.096
	FR1 n25	40M	QPSK	108	54	DFT-15	Left Side	10mm	Ant 3	DSI 17	Reduced	376500	1882.5	19.64	21.20	1.432	-	n/a	n/a
48	FR1 n25	40M	QPSK	108	54	DFT-15	Top Side	10mm	Ant 3	DSI 17	Reduced	376500	1882.5	19.64	21.20	1.432	-0.16	0.188	0.269
	FR1 n25	40M	QPSK	1	1	DFT-15	Front	10mm	Ant 4	DSI 17	Reduced	376500	1882.5	21.08	22.20	1.294	0.03	0.108	0.140
	FR1 n25	40M	QPSK	1	1	DFT-15	Back	10mm	Ant 4	DSI 17	Reduced	376500	1882.5	21.08	22.20	1.294	0.07	0.156	0.202
	FR1 n25	40M	QPSK	1	1	DFT-15	Right Side	10mm	Ant 4	DSI 17	Reduced	376500	1882.5	21.08	22.20	1.294	0.13	0.097	0.126
	FR1 n25	40M	QPSK	1	1	DFT-15	Bottom Side	10mm	Ant 4	DSI 17	Reduced	376500	1882.5	21.08	22.20	1.294	-0.01	0.124	0.160
	FR1 n25	40M	QPSK	108	54	DFT-15	Front	10mm	Ant 4	DSI 17	Reduced	376500	1882.5	21.03	22.20	1.309	-0.12	0.122	0.160
	FR1 n25	40M	QPSK	108	54	DFT-15	Back	10mm	Ant 4	DSI 17	Reduced	376500	1882.5	21.03	22.20	1.309	-0.02	0.191	0.250
	FR1 n25	40M	QPSK	108	54	DFT-15	Right Side	10mm	Ant 4	DSI 17	Reduced	376500	1882.5	21.03	22.20	1.309	0.12	0.117	0.153
	FR1 n25	40M	QPSK	108	54	DFT-15	Bottom Side	10mm	Ant 4	DSI 17	Reduced	376500	1882.5	21.03	22.20	1.309	-0.15	0.155	0.203
	FR1 n7	50M	QPSK	1	1	DFT-15	Front	10mm	Ant 3	DSI 17	Reduced	507000	2535	17.62	18.20	1.143	0.13	0.215	0.246



**FCC SAR TEST REPORT**

**Report No. : FA101422**

	FR1 n7	50M	QPSK	1	1	DFT-15	Back	10mm	Ant 3	DSI 17	Reduced	507000	2535	17.62	18.20	1.143	0.12	0.303	0.346
	FR1 n7	50M	QPSK	1	1	DFT-15	Left Side	10mm	Ant 3	DSI 17	Reduced	507000	2535	17.62	18.20	1.143	0.15	0.072	0.082
	FR1 n7	50M	QPSK	1	1	DFT-15	Top Side	10mm	Ant 3	DSI 17	Reduced	507000	2535	17.62	18.20	1.143	0.18	0.658	0.752
	FR1 n7	50M	QPSK	135	68	DFT-15	Front	10mm	Ant 3	DSI 17	Reduced	507000	2535	17.59	18.20	1.151	0.1	0.210	0.242
	FR1 n7	50M	QPSK	135	68	DFT-15	Back	10mm	Ant 3	DSI 17	Reduced	507000	2535	17.59	18.20	1.151	0.06	0.321	0.369
	FR1 n7	50M	QPSK	135	68	DFT-15	Left Side	10mm	Ant 3	DSI 17	Reduced	507000	2535	17.59	18.20	1.151	-0.02	0.078	0.090
49	FR1 n7	50M	QPSK	135	68	DFT-15	Top Side	10mm	Ant 3	DSI 17	Reduced	507000	2535	17.59	18.20	1.151	0.04	0.781	<b>0.899</b>
	FR1 n7	50M	QPSK	270	0	DFT-15	Top Side	10mm	Ant 3	DSI 17	Reduced	507000	2535	17.50	18.20	1.175	0.1	0.761	0.894
	FR1 n7	50M	QPSK	1	1	DFT-15	Front	10mm	Ant 4	DSI 17	Reduced	507000	2535	19.69	21.20	1.416	-0.06	0.349	0.494
	FR1 n7	50M	QPSK	1	1	DFT-15	Back	10mm	Ant 4	DSI 17	Reduced	507000	2535	19.69	21.20	1.416	0.12	0.308	0.436
	FR1 n7	50M	QPSK	1	1	DFT-15	Right Side	10mm	Ant 4	DSI 17	Reduced	507000	2535	19.69	21.20	1.416	0.05	0.138	0.195
	FR1 n7	50M	QPSK	1	1	DFT-15	Bottom Side	10mm	Ant 4	DSI 17	Reduced	507000	2535	19.69	21.20	1.416	0.11	0.405	0.573
	FR1 n7	50M	QPSK	135	68	DFT-15	Front	10mm	Ant 4	DSI 17	Reduced	507000	2535	19.66	21.20	1.426	-0.02	0.341	0.486
	FR1 n7	50M	QPSK	135	68	DFT-15	Back	10mm	Ant 4	DSI 17	Reduced	507000	2535	19.66	21.20	1.426	0.03	0.291	0.415
	FR1 n7	50M	QPSK	135	68	DFT-15	Right Side	10mm	Ant 4	DSI 17	Reduced	507000	2535	19.66	21.20	1.426	-0.18	0.133	0.190
	FR1 n7	50M	QPSK	135	68	DFT-15	Bottom Side	10mm	Ant 4	DSI 17	Reduced	507000	2535	19.66	21.20	1.426	-0.14	0.362	0.516
ENDC																			
	FR1 n7	40M	QPSK	1	1	DFT-15	Front	10mm	Ant 3	DSI 17	Reduced	507000	2535	14.54	15.70	1.306	0.08	0.085	0.111
	FR1 n7	40M	QPSK	1	1	DFT-15	Back	10mm	Ant 3	DSI 17	Reduced	507000	2535	14.54	15.70	1.306	0.06	0.121	0.158
	FR1 n7	40M	QPSK	1	1	DFT-15	Left Side	10mm	Ant 3	DSI 17	Reduced	507000	2535	14.54	15.70	1.306	-0.08	0.060	0.078
	FR1 n7	40M	QPSK	1	1	DFT-15	Top Side	10mm	Ant 3	DSI 17	Reduced	507000	2535	14.54	15.70	1.306	0.12	0.295	0.385
	FR1 n7	40M	QPSK	108	54	DFT-15	Front	10mm	Ant 3	DSI 17	Reduced	507000	2535	14.52	15.70	1.312	0.06	0.086	0.113
	FR1 n7	40M	QPSK	108	54	DFT-15	Back	10mm	Ant 3	DSI 17	Reduced	507000	2535	14.52	15.70	1.312	-0.07	0.123	0.161
	FR1 n7	40M	QPSK	108	54	DFT-15	Left Side	10mm	Ant 3	DSI 17	Reduced	507000	2535	14.52	15.70	1.312	0.13	0.062	0.081
	FR1 n7	40M	QPSK	108	54	DFT-15	Top Side	10mm	Ant 3	DSI 17	Reduced	507000	2535	14.52	15.70	1.312	0.08	0.339	0.445
	FR1 n7	40M	QPSK	1	1	DFT-15	Front	10mm	Ant 6	DSI 17	Reduced	507000	2535	18.73	19.70	1.250	0.05	0.083	0.104
	FR1 n7	40M	QPSK	1	1	DFT-15	Back	10mm	Ant 6	DSI 17	Reduced	507000	2535	18.73	19.70	1.250	0.01	0.129	0.161
	FR1 n7	40M	QPSK	1	1	DFT-15	Right Side	10mm	Ant 6	DSI 17	Reduced	507000	2535	18.73	19.70	1.250	-0.13	0.229	0.286
	FR1 n7	40M	QPSK	1	1	DFT-15	Top Side	10mm	Ant 6	DSI 17	Reduced	507000	2535	18.73	19.70	1.250	-	n/a	n/a
	FR1 n7	40M	QPSK	108	54	DFT-15	Front	10mm	Ant 6	DSI 17	Reduced	507000	2535	18.70	19.70	1.259	0.06	0.115	0.145
	FR1 n7	40M	QPSK	108	54	DFT-15	Back	10mm	Ant 6	DSI 17	Reduced	507000	2535	18.70	19.70	1.259	0.07	0.166	0.209
	FR1 n7	40M	QPSK	108	54	DFT-15	Right Side	10mm	Ant 6	DSI 17	Reduced	507000	2535	18.70	19.70	1.259	0.08	0.413	0.520
	FR1 n7	40M	QPSK	108	54	DFT-15	Top Side	10mm	Ant 6	DSI 17	Reduced	507000	2535	18.70	19.70	1.259	-	n/a	n/a
	FR1 n38	30M	QPSK	1	1	DFT-30	Front	10mm	Ant 3	DSI 17	Reduced	519000	2595	15.99	17.70	1.483	-0.07	0.116	0.172
	FR1 n38	30M	QPSK	1	1	DFT-30	Back	10mm	Ant 3	DSI 17	Reduced	519000	2595	15.99	17.70	1.483	-0.02	0.165	0.245
	FR1 n38	30M	QPSK	1	1	DFT-30	Left Side	10mm	Ant 3	DSI 17	Reduced	519000	2595	15.99	17.70	1.483	-0.02	0.078	0.116
	FR1 n38	30M	QPSK	1	1	DFT-30	Top Side	10mm	Ant 3	DSI 17	Reduced	519000	2595	15.99	17.70	1.483	0.13	0.437	0.648
	FR1 n38	30M	QPSK	36	18	DFT-30	Front	10mm	Ant 3	DSI 17	Reduced	519000	2595	15.94	17.70	1.500	0.06	0.108	0.162
	FR1 n38	30M	QPSK	36	18	DFT-30	Back	10mm	Ant 3	DSI 17	Reduced	519000	2595	15.94	17.70	1.500	0.1	0.155	0.232
	FR1 n38	30M	QPSK	36	18	DFT-30	Left Side	10mm	Ant 3	DSI 17	Reduced	519000	2595	15.94	17.70	1.500	-0.19	0.071	0.106
50	FR1 n38	30M	QPSK	36	18	DFT-30	Top Side	10mm	Ant 3	DSI 17	Reduced	519000	2595	15.94	17.70	1.500	-0.19	0.459	<b>0.688</b>
	FR1 n38	30M	QPSK	1	1	DFT-30	Front	10mm	Ant 4	DSI 17	Reduced	519000	2595	20.18	21.20	1.265	0.03	0.381	0.482
	FR1 n38	30M	QPSK	1	1	DFT-30	Back	10mm	Ant 4	DSI 17	Reduced	519000	2595	20.18	21.20	1.265	0.09	0.274	0.347
	FR1 n38	30M	QPSK	1	1	DFT-30	Right Side	10mm	Ant 4	DSI 17	Reduced	519000	2595	20.18	21.20	1.265	0.14	0.124	0.157
	FR1 n38	30M	QPSK	1	1	DFT-30	Bottom Side	10mm	Ant 4	DSI 17	Reduced	519000	2595	20.18	21.20	1.265	-0.07	0.313	0.396
	FR1 n38	30M	QPSK	36	18	DFT-30	Front	10mm	Ant 4	DSI 17	Reduced	519000	2595	20.05	21.20	1.303	0.14	0.270	0.352
	FR1 n38	30M	QPSK	36	18	DFT-30	Back	10mm	Ant 4	DSI 17	Reduced	519000	2595	20.05	21.20	1.303	0.07	0.262	0.341
	FR1 n38	30M	QPSK	36	18	DFT-30	Right Side	10mm	Ant 4	DSI 17	Reduced	519000	2595	20.05	21.20	1.303	-0.19	0.115	0.150
	FR1 n38	30M	QPSK	36	18	DFT-30	Bottom Side	10mm	Ant 4	DSI 17	Reduced	519000	2595	20.05	21.20	1.303	0.1	0.380	0.495
	FR1 n41	100M	QPSK	1	1	DFT-30	Front	10mm	Ant 3	DSI 17	Reduced	518598	2592.99	16.47	17.70	1.327	-0.17	0.161	0.214
	FR1 n41	100M	QPSK	1	1	DFT-30	Back	10mm	Ant 3	DSI 17	Reduced	518598	2592.99	16.47	17.70	1.327	0.19	0.234	0.311
	FR1 n41	100M	QPSK	1	1	DFT-30	Left Side	10mm	Ant 3	DSI 17	Reduced	518598	2592.99	16.47	17.70	1.327	0.02	0.103	0.137
	FR1 n41	100M	QPSK	1	1	DFT-30	Top Side	10mm	Ant 3	DSI 17	Reduced	518598	2592.99	16.47	17.70	1.327	-0.07	0.498	0.661
	FR1 n41	100M	QPSK	135	69	DFT-30	Front	10mm	Ant 3	DSI 17	Reduced	518598	2592.99	16.42	17.70	1.343	-0.02	0.134	0.180
	FR1 n41	100M	QPSK	135	69	DFT-30	Back	10mm	Ant 3	DSI 17	Reduced	518598	2592.99	16.42	17.70	1.343	0.15	0.195	0.262
	FR1 n41	100M	QPSK	135	69	DFT-30	Left Side	10mm	Ant 3	DSI 17	Reduced	518598	2592.99	16.42	17.70	1.343	-0.05	0.089	0.120



**FCC SAR TEST REPORT**

**Report No. : FA101422**

	FR1 n41	100M	QPSK	135	69	DFT-30	Top Side	10mm	Ant 3	DSI 17	Reduced	518598	2592.99	16.42	17.70	1.343	0.01	0.579	0.777
	FR1 n41	100M	QPSK	270	0	DFT-30	Top Side	10mm	Ant 3	DSI 17	Reduced	518598	2592.99	16.38	17.70	1.355	-0.02	0.500	0.678
	FR1 n41	100M	QPSK	1	1	DFT-30	Front	10mm	Ant 4	DSI 17	Reduced	518598	2592.99	20.27	21.20	1.239	0.14	0.390	0.483
	FR1 n41	100M	QPSK	1	1	DFT-30	Back	10mm	Ant 4	DSI 17	Reduced	518598	2592.99	20.27	21.20	1.239	0.07	0.309	0.383
	FR1 n41	100M	QPSK	1	1	DFT-30	Right Side	10mm	Ant 4	DSI 17	Reduced	518598	2592.99	20.27	21.20	1.239	-0.12	0.154	0.191
	FR1 n41	100M	QPSK	1	1	DFT-30	Bottom Side	10mm	Ant 4	DSI 17	Reduced	518598	2592.99	20.27	21.20	1.239	0.06	0.338	0.419
	FR1 n41	100M	QPSK	135	69	DFT-30	Front	10mm	Ant 4	DSI 17	Reduced	518598	2592.99	20.19	21.20	1.262	-0.19	0.303	0.382
	FR1 n41	100M	QPSK	135	69	DFT-30	Back	10mm	Ant 4	DSI 17	Reduced	518598	2592.99	20.19	21.20	1.262	-0.08	0.300	0.379
	FR1 n41	100M	QPSK	135	69	DFT-30	Right Side	10mm	Ant 4	DSI 17	Reduced	518598	2592.99	20.19	21.20	1.262	0.07	0.132	0.167
	FR1 n41	100M	QPSK	135	69	DFT-30	Bottom Side	10mm	Ant 4	DSI 17	Reduced	518598	2592.99	20.19	21.20	1.262	0.19	0.458	0.578
	FR1 n41_MIMO	100M	QPSK	1	1	DFT-30	Front	10mm	Ant 3	DSI 17	Full	518598	2592.99	16.47	17.70	1.327	-0.17	0.161	0.214
	FR1 n41_MIMO	100M	QPSK	1	1	DFT-30	Back	10mm	Ant 3	DSI 17	Full	518598	2592.99	16.47	17.70	1.327	0.19	0.234	0.311
	FR1 n41_MIMO	100M	QPSK	1	1	DFT-30	Left Side	10mm	Ant 3	DSI 17	Full	518598	2592.99	16.47	17.70	1.327	0.02	0.103	0.137
	FR1 n41_MIMO	100M	QPSK	1	1	DFT-30	Top Side	10mm	Ant 3	DSI 17	Full	518598	2592.99	16.47	17.70	1.327	-0.07	0.498	0.661
	FR1 n41_MIMO	100M	QPSK	135	69	DFT-30	Front	10mm	Ant 3	DSI 17	Full	518598	2592.99	16.42	17.70	1.343	-0.02	0.134	0.180
	FR1 n41_MIMO	100M	QPSK	135	69	DFT-30	Back	10mm	Ant 3	DSI 17	Full	518598	2592.99	16.42	17.70	1.343	0.15	0.195	0.262
	FR1 n41_MIMO	100M	QPSK	135	69	DFT-30	Left Side	10mm	Ant 3	DSI 17	Full	518598	2592.99	16.42	17.70	1.343	-0.05	0.089	0.120
	FR1 n41_MIMO	100M	QPSK	135	69	DFT-30	Top Side	10mm	Ant 3	DSI 17	Full	518598	2592.99	16.42	17.70	1.343	0.01	0.579	0.777
	FR1 n41_MIMO	100M	QPSK	270	0	DFT-30	Top Side	10mm	Ant 3	DSI 17	Full	518598	2592.99	16.38	17.70	1.355	-0.02	0.500	0.678
	FR1 n41_MIMO	100M	QPSK	1	1	DFT-30	Front	10mm	Ant 4	DSI 17	Full	518598	2592.99	18.12	19.20	1.282	0.01	0.192	0.246
	FR1 n41_MIMO	100M	QPSK	1	1	DFT-30	Back	10mm	Ant 4	DSI 17	Full	518598	2592.99	18.12	19.20	1.282	0.14	0.152	0.195
	FR1 n41_MIMO	100M	QPSK	1	1	DFT-30	Right Side	10mm	Ant 4	DSI 17	Full	518598	2592.99	18.12	19.20	1.282	-0.03	0.076	0.097
	FR1 n41_MIMO	100M	QPSK	1	1	DFT-30	Bottom Side	10mm	Ant 4	DSI 17	Full	518598	2592.99	18.12	19.20	1.282	0.16	0.167	0.214
	FR1 n41_MIMO	100M	QPSK	135	69	DFT-30	Front	10mm	Ant 4	DSI 17	Full	518598	2592.99	17.93	19.20	1.340	-0.12	0.152	0.204
	FR1 n41_MIMO	100M	QPSK	135	69	DFT-30	Back	10mm	Ant 4	DSI 17	Full	518598	2592.99	17.93	19.20	1.340	-0.19	0.151	0.202
	FR1 n41_MIMO	100M	QPSK	135	69	DFT-30	Right Side	10mm	Ant 4	DSI 17	Full	518598	2592.99	17.93	19.20	1.340	-0.16	0.066	0.088
	FR1 n41_MIMO	100M	QPSK	135	69	DFT-30	Bottom Side	10mm	Ant 4	DSI 17	Full	518598	2592.99	17.93	19.20	1.340	0.17	0.230	0.308
	FR1 n41_MIMO	100M	QPSK	1	1	DFT-30	Front	10mm	Ant 5	DSI 17	Full	518598	2592.99	17.34	18.70	1.368	-0.15	0.249	0.341
	FR1 n41_MIMO	100M	QPSK	1	1	DFT-30	Back	10mm	Ant 5	DSI 17	Full	518598	2592.99	17.34	18.70	1.368	-0.1	0.349	0.477
	FR1 n41_MIMO	100M	QPSK	1	1	DFT-30	Left Side	10mm	Ant 5	DSI 17	Full	518598	2592.99	17.34	18.70	1.368	-0.13	0.709	0.970
	FR1 n41_MIMO	100M	QPSK	1	1	DFT-30	Top Side	10mm	Ant 5	DSI 17	Full	518598	2592.99	17.34	18.70	1.368	0.07	0.061	0.083
	FR1 n41_MIMO	100M	QPSK	135	69	DFT-30	Front	10mm	Ant 5	DSI 17	Full	518598	2592.99	17.25	18.70	1.396	-0.18	0.252	0.352
	FR1 n41_MIMO	100M	QPSK	135	69	DFT-30	Back	10mm	Ant 5	DSI 17	Full	518598	2592.99	17.25	18.70	1.396	-0.18	0.356	0.497
51	FR1 n41_MIMO	100M	QPSK	135	69	DFT-30	Left Side	10mm	Ant 5	DSI 17	Full	518598	2592.99	17.25	18.70	1.396	0.16	0.722	1.008
	FR1 n41_MIMO	100M	QPSK	135	69	DFT-30	Top Side	10mm	Ant 5	DSI 17	Full	518598	2592.99	17.25	18.70	1.396	0.01	0.066	0.092
	FR1 n41_MIMO	100M	QPSK	270	0	DFT-30	Left Side	10mm	Ant 5	DSI 17	Full	518598	2592.99	17.20	18.70	1.413	-0.15	0.698	0.986
ENDC																			
	FR1 n41	100M	QPSK	1	1	DFT-30	Front	10mm	Ant 5	DSI 17	Reduced	518598	2592.99	15.42	16.70	1.343	0.06	0.135	0.181
	FR1 n41	100M	QPSK	1	1	DFT-30	Back	10mm	Ant 5	DSI 17	Reduced	518598	2592.99	15.42	16.70	1.343	0.02	0.188	0.252
	FR1 n41	100M	QPSK	1	1	DFT-30	Left Side	10mm	Ant 5	DSI 17	Reduced	518598	2592.99	15.42	16.70	1.343	0.12	0.334	0.448
	FR1 n41	100M	QPSK	1	1	DFT-30	Top Side	10mm	Ant 5	DSI 17	Reduced	518598	2592.99	15.42	16.70	1.343	-	n/a	n/a
	FR1 n41	100M	QPSK	135	69	DFT-30	Front	10mm	Ant 5	DSI 17	Reduced	518598	2592.99	15.40	16.70	1.349	0.08	0.133	0.179
	FR1 n41	100M	QPSK	135	69	DFT-30	Back	10mm	Ant 5	DSI 17	Reduced	518598	2592.99	15.40	16.70	1.349	-0.02	0.197	0.266
	FR1 n41	100M	QPSK	135	69	DFT-30	Left Side	10mm	Ant 5	DSI 17	Reduced	518598	2592.99	15.40	16.70	1.349	0.03	0.370	0.499
	FR1 n41	100M	QPSK	135	69	DFT-30	Top Side	10mm	Ant 5	DSI 17	Reduced	518598	2592.99	15.40	16.70	1.349	-	n/a	n/a

**<WLAN2.4G SAR>**

Plot No.	Band	Mode	Test Position	Gap (mm)	Antenna	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)
	WLAN2.4GHz	802.11b 1Mbps	Front	10mm	Ant 7	Full	6	2437	15.50	16.00	1.122	100	1.000	0.03	0.101	0.113
	WLAN2.4GHz	802.11b 1Mbps	Back	10mm	Ant 7	Full	6	2437	15.50	16.00	1.122	100	1.000	0.07	0.132	0.148
	WLAN2.4GHz	802.11b 1Mbps	Right Side	10mm	Ant 7	Full	6	2437	15.50	16.00	1.122	100	1.000	0.17	0.097	0.109
52	WLAN2.4GHz	802.11b 1Mbps	Top Side	10mm	Ant 7	Full	6	2437	15.50	16.00	1.122	100	1.000	0.14	0.314	<b>0.352</b>
	WLAN2.4GHz	802.11b 1Mbps	Front	10mm	Ant 6	Full	6	2437	15.70	16.00	1.072	100	1.000	0.18	0.060	0.065
	WLAN2.4GHz	802.11b 1Mbps	Back	10mm	Ant 6	Full	6	2437	15.70	16.00	1.072	100	1.000	-0.17	0.080	0.085
	WLAN2.4GHz	802.11b 1Mbps	Right Side	10mm	Ant 6	Full	6	2437	15.70	16.00	1.072	100	1.000	-0.09	0.113	0.121
	WLAN2.4GHz	802.11b 1Mbps	Top Side	10mm	Ant 6	Full	6	2437	15.70	16.00	1.072	100	1.000	0.12	0.001	0.001

**<WLAN5G SAR>**

Plot No.	Band	Mode	Test Position	Gap (mm)	Antenna	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)
	WLAN5.2GHz	802.11ac-VHT80 MCS0	Front	10mm	Ant 8	Reduced	42	5210	14.22	14.50	1.067	100	1.000	-0.02	0.114	0.122
	WLAN5.2GHz	802.11ac-VHT80 MCS0	Back	10mm	Ant 8	Reduced	42	5210	14.22	14.50	1.067	100	1.000	0.19	0.123	0.131
	WLAN5.2GHz	802.11ac-VHT80 MCS0	Left Side	10mm	Ant 8	Reduced	42	5210	14.22	14.50	1.067	100	1.000	-	n/a	n/a
	WLAN5.2GHz	802.11ac-VHT80 MCS0	Right Side	10mm	Ant 8	Reduced	42	5210	14.22	14.50	1.067	100	1.000	-	n/a	n/a
	WLAN5.2GHz	802.11ac-VHT80 MCS0	Top Side	10mm	Ant 8	Reduced	42	5210	14.22	14.50	1.067	100	1.000	-0.16	0.110	0.117
	WLAN5.2GHz	802.11ac-VHT80 MCS0	Front	10mm	Ant 10	Reduced	42	5210	14.07	14.50	1.104	100	1.000	0.19	0.055	0.061
53	WLAN5.2GHz	802.11ac-VHT80 MCS0	Back	10mm	Ant 10	Reduced	42	5210	14.07	14.50	1.104	100	1.000	0.1	0.204	<b>0.225</b>
	WLAN5.2GHz	802.11ac-VHT80 MCS0	Left Side	10mm	Ant 10	Reduced	42	5210	14.07	14.50	1.104	100	1.000	-0.02	0.112	0.124
	WLAN5.2GHz	802.11ac-VHT80 MCS0	Right Side	10mm	Ant 10	Reduced	42	5210	14.07	14.50	1.104	100	1.000	-0.18	0.160	0.177
	WLAN5.2GHz	802.11ac-VHT80 MCS0	Top Side	10mm	Ant 10	Reduced	42	5210	14.07	14.50	1.104	100	1.000	0.01	0.001	0.001
	WLAN5.8GHz	802.11ac-VHT80 MCS0	Front	10mm	Ant 8	Reduced	155	5775	11.65	12.00	1.084	100	1.000	0.02	0.022	0.024
	WLAN5.8GHz	802.11ac-VHT80 MCS0	Back	10mm	Ant 8	Reduced	155	5775	11.65	12.00	1.084	100	1.000	0.05	0.199	0.216
	WLAN5.8GHz	802.11ac-VHT80 MCS0	Left Side	10mm	Ant 8	Reduced	155	5775	11.65	12.00	1.084	100	1.000	-	n/a	n/a
	WLAN5.8GHz	802.11ac-VHT80 MCS0	Right Side	10mm	Ant 8	Reduced	155	5775	11.65	12.00	1.084	100	1.000	-	n/a	n/a
	WLAN5.8GHz	802.11ac-VHT80 MCS0	Top Side	10mm	Ant 8	Reduced	155	5775	11.65	12.00	1.084	100	1.000	-0.15	0.048	0.052
	WLAN5.8GHz	802.11ac-VHT80 MCS0	Front	10mm	Ant 10	Reduced	155	5775	13.18	14.00	1.208	100	1.000	0.11	0.051	0.062
54	WLAN5.8GHz	802.11ac-VHT80 MCS0	Back	10mm	Ant 10	Reduced	155	5775	13.18	14.00	1.208	100	1.000	0.02	0.180	<b>0.217</b>
	WLAN5.8GHz	802.11ac-VHT80 MCS0	Left Side	10mm	Ant 10	Reduced	155	5775	13.18	14.00	1.208	100	1.000	0.07	0.161	0.194
	WLAN5.8GHz	802.11ac-VHT80 MCS0	Right Side	10mm	Ant 10	Reduced	155	5775	13.18	14.00	1.208	100	1.000	-	n/a	n/a
	WLAN5.8GHz	802.11ac-VHT80 MCS0	Top Side	10mm	Ant 10	Reduced	155	5775	13.18	14.00	1.208	100	1.000	0.05	0.025	0.030

**<Bluetooth SAR>**

Plot No.	Band	Mode	Test Position	Gap (mm)	Antenna	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)
	Bluetooth	DH5 1Mbps	Front	10mm	Ant 7	Full	0	2402	15.10	16.50	1.380	76.87	1.301	-0.18	0.084	0.151
	Bluetooth	DH5 1Mbps	Back	10mm	Ant 7	Full	0	2402	15.10	16.50	1.380	76.87	1.301	0.15	0.095	0.170
	Bluetooth	DH5 1Mbps	Right Side	10mm	Ant 7	Full	0	2402	15.10	16.50	1.380	76.87	1.301	-0.18	0.076	0.136
55	Bluetooth	DH5 1Mbps	Top Side	10mm	Ant 7	Full	0	2402	15.10	16.50	1.380	76.87	1.301	0.05	0.153	<b>0.275</b>



**16.3 Body Worn Accessory SAR**

**<GSM SAR>**

Plot No.	Band	Mode	Test Position	Gap (mm)	Antenna	Power State	Power Reduction	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(3 Tx slots)	Front	10mm	Ant 0	DSI 17	Full	189	836.4	29.34	30.50	1.306	0.1	0.257	0.336
	GSM850	GPRS(3 Tx slots)	Back	10mm	Ant 0	DSI 17	Full	189	836.4	29.34	30.50	1.306	-0.07	0.339	0.443
	GSM850	DTM Multi-slot class 11	Back	10mm	Ant 0	DSI 17	Full	189	836.4	24.95	26.24	1.346	0.02	0.272	0.366
	GSM850	GPRS(3 Tx slots)	Front	10mm	Ant 1	DSI 17	Full	189	836.4	29.41	30.50	1.285	0.02	0.422	0.542
56	GSM850	GPRS(3 Tx slots)	Back	10mm	Ant 1	DSI 17	Full	189	836.4	29.41	30.50	1.285	0.1	0.512	<b>0.658</b>
	GSM850	DTM Multi-slot class 11	Back	10mm	Ant 1	DSI 17	Full	189	836.4	24.95	26.24	1.346	-0.08	0.371	0.499
57	GSM1900	GPRS(4 Tx slots)	Front	10mm	Ant 3	DSI 17	Full	512	1850.2	24.56	25.00	1.107	-0.12	0.649	<b>0.718</b>
	GSM1900	DTM Multi-slot class 11	Front	10mm	Ant 3	DSI 17	Full	512	1850.2	21.62	21.74	1.028	0.02	0.501	0.515
	GSM1900	GPRS(4 Tx slots)	Back	10mm	Ant 3	DSI 17	Full	512	1850.2	24.56	25.00	1.107	0.14	0.523	0.579
	GSM1900	GPRS(4 Tx slots)	Front	10mm	Ant 4	DSI 17	Full	512	1850.2	25.54	26.00	1.112	-0.07	0.202	0.225
	GSM1900	GPRS(4 Tx slots)	Back	10mm	Ant 4	DSI 17	Full	512	1850.2	25.54	26.00	1.112	-0.09	0.254	0.282
	GSM1900	DTM Multi-slot class 11	Back	10mm	Ant 4	DSI 17	Full	512	1850.2	22.39	22.74	1.084	0.01	0.174	0.189

**<WCDMA SAR>**

Plot No.	Band	Mode	Test Position	Gap (mm)	Antenna	Power State	Power Reduction	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 V	RMC 12.2Kbps	Front	10mm	Ant 0	DSI 17	Full	4182	836.4	24.27	25.00	1.183	-0.02	0.306	0.362
	WCDMA V	RMC 12.2Kbps	Back	10mm	Ant 0	DSI 17	Full	4182	836.4	24.27	25.00	1.183	0.15	0.385	0.455
	WCDMA V	RMC 12.2Kbps	Front	10mm	Ant 1	DSI 17	Full	4182	836.4	24.36	25.00	1.159	0.01	0.337	0.391
58	WCDMA V	RMC 12.2Kbps	Back	10mm	Ant 1	DSI 17	Full	4182	836.4	24.36	25.00	1.159	0.08	0.397	<b>0.460</b>
59	WCDMA IV	RMC 12.2Kbps	Front	10mm	Ant 3	DSI 17	Reduced	1413	1732.6	19.91	20.50	1.146	0.12	0.607	<b>0.695</b>
	WCDMA IV	RMC 12.2Kbps	Back	10mm	Ant 3	DSI 17	Reduced	1413	1732.6	19.91	20.50	1.146	-0.1	0.394	0.451
	WCDMA IV	RMC 12.2Kbps	Front	10mm	Ant 4	DSI 17	Reduced	1413	1732.6	21.56	22.00	1.107	0.08	0.393	0.435
	WCDMA IV	RMC 12.2Kbps	Back	10mm	Ant 4	DSI 17	Reduced	1413	1732.6	21.56	22.00	1.107	0.13	0.415	0.459
60	WCDMA II	RMC 12.2Kbps	Front	10mm	Ant 3	DSI 17	Reduced	9400	1880	19.76	20.50	1.186	0.03	0.548	<b>0.650</b>
	WCDMA II	RMC 12.2Kbps	Back	10mm	Ant 3	DSI 17	Reduced	9400	1880	19.76	20.50	1.186	0.14	0.388	0.460
	WCDMA II	RMC 12.2Kbps	Front	10mm	Ant 4	DSI 17	Reduced	9400	1880	21.89	22.00	1.026	-0.06	0.266	0.273
	WCDMA II	RMC 12.2Kbps	Back	10mm	Ant 4	DSI 17	Reduced	9400	1880	21.89	22.00	1.026	0.19	0.322	0.330





<FDD LTE SAR>

Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Test Position	Gap (mm)	Antenna	Power State	Power Reduction	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)	
61	LTE Band 12	10M	QPSK	1	0	Front	10mm	Ant 0	DSI 17	Reduced	23095	707.5	23.58	24.50	1.236	-0.03	0.251	0.310	
	LTE Band 12	10M	QPSK	1	0	Back	10mm	Ant 0	DSI 17	Reduced	23095	707.5	23.58	24.50	1.236	-0.05	0.356	0.440	
	LTE Band 12	10M	QPSK	25	0	Front	10mm	Ant 0	DSI 17	Reduced	23095	707.5	22.96	24.00	1.271	-0.15	0.236	0.300	
	LTE Band 12	10M	QPSK	25	0	Back	10mm	Ant 0	DSI 17	Reduced	23095	707.5	22.96	24.00	1.271	-0.17	0.308	0.391	
	LTE Band 12	10M	QPSK	1	0	Front	10mm	Ant 1	DSI 17	Full	23095	707.5	24.24	25.00	1.191	-0.11	0.268	0.319	
	LTE Band 12	10M	QPSK	1	0	Back	10mm	Ant 1	DSI 17	Full	23095	707.5	24.24	25.00	1.191	0.1	0.329	0.392	
	LTE Band 12	10M	QPSK	25	0	Front	10mm	Ant 1	DSI 17	Full	23095	707.5	23.18	24.00	1.208	-0.04	0.218	0.263	
	LTE Band 12	10M	QPSK	25	0	Back	10mm	Ant 1	DSI 17	Full	23095	707.5	23.18	24.00	1.208	-0.17	0.248	0.300	
62	LTE Band 13	10M	QPSK	1	0	Front	10mm	Ant 0	DSI 17	Full	23230	782	23.04	24.00	1.247	-0.06	0.221	0.276	
	LTE Band 13	10M	QPSK	1	0	Back	10mm	Ant 0	DSI 17	Full	23230	782	23.04	24.00	1.247	-0.16	0.342	0.427	
	LTE Band 13	10M	QPSK	25	0	Front	10mm	Ant 0	DSI 17	Full	23230	782	22.02	23.00	1.253	-0.06	0.174	0.218	
	LTE Band 13	10M	QPSK	25	0	Back	10mm	Ant 0	DSI 17	Full	23230	782	22.02	23.00	1.253	0.12	0.219	0.274	
	LTE Band 13	10M	QPSK	1	0	Front	10mm	Ant 1	DSI 17	Full	23230	782	23.31	24.00	1.172	-0.19	0.194	0.227	
	LTE Band 13	10M	QPSK	1	0	Back	10mm	Ant 1	DSI 17	Full	23230	782	23.31	24.00	1.172	0.02	0.248	0.291	
	LTE Band 13	10M	QPSK	25	0	Front	10mm	Ant 1	DSI 17	Full	23230	782	22.19	23.00	1.205	0.11	0.150	0.181	
	LTE Band 13	10M	QPSK	25	0	Back	10mm	Ant 1	DSI 17	Full	23230	782	22.19	23.00	1.205	0.15	0.183	0.221	
	LTE Band 26	15M	QPSK	1	0	Front	10mm	Ant 0	DSI 17	Full	26865	831.5	23.86	25.00	1.300	-0.19	0.257	0.334	
	LTE Band 26	15M	QPSK	1	0	Back	10mm	Ant 0	DSI 17	Full	26865	831.5	23.86	25.00	1.300	-0.05	0.352	0.458	
	LTE Band 26	15M	QPSK	36	0	Front	10mm	Ant 0	DSI 17	Full	26865	831.5	22.98	24.00	1.265	-0.01	0.214	0.271	
	LTE Band 26	15M	QPSK	36	0	Back	10mm	Ant 0	DSI 17	Full	26865	831.5	22.98	24.00	1.265	-0.03	0.263	0.333	
	LTE Band 26	15M	QPSK	1	0	Front	10mm	Ant 1	DSI 17	Full	26865	831.5	24.22	25.00	1.197	0.1	0.298	0.357	
63	LTE Band 26	15M	QPSK	1	0	Back	10mm	Ant 1	DSI 17	Full	26865	831.5	24.22	25.00	1.197	-0.05	0.427	0.511	
	LTE Band 26	15M	QPSK	36	0	Front	10mm	Ant 1	DSI 17	Full	26865	831.5	23.25	24.00	1.189	-0.13	0.245	0.291	
	LTE Band 26	15M	QPSK	36	0	Back	10mm	Ant 1	DSI 17	Full	26865	831.5	23.25	24.00	1.189	0.19	0.318	0.378	
ENDC																			
	LTE Band 5	10M	QPSK	1	0	Front	10mm	Ant 0	DSI 17	Reduced	20525	836.5	17.89	19.00	1.291	0.08	0.051	0.066	
	LTE Band 5	10M	QPSK	1	0	Back	10mm	Ant 0	DSI 17	Reduced	20525	836.5	17.89	19.00	1.291	0.18	0.050	0.065	
	LTE Band 5	10M	QPSK	25	0	Front	10mm	Ant 0	DSI 17	Reduced	20525	836.5	17.89	19.00	1.291	0.12	0.062	0.080	
	LTE Band 5	10M	QPSK	25	0	Back	10mm	Ant 0	DSI 17	Reduced	20525	836.5	17.89	19.00	1.291	0.05	0.081	0.105	
	LTE Band 5	10M	QPSK	1	0	Front	10mm	Ant 1	DSI 17	Reduced	20525	836.5	19.05	20.00	1.245	0.17	0.091	0.113	
	LTE Band 5	10M	QPSK	1	0	Back	10mm	Ant 1	DSI 17	Reduced	20525	836.5	19.05	20.00	1.245	-0.05	0.113	0.141	
	LTE Band 5	10M	QPSK	25	0	Front	10mm	Ant 1	DSI 17	Reduced	20525	836.5	18.98	20.00	1.265	-0.18	0.092	0.116	
	LTE Band 5	10M	QPSK	25	0	Back	10mm	Ant 1	DSI 17	Reduced	20525	836.5	18.98	20.00	1.265	-0.13	0.133	0.168	
	LTE Band 26	15M	QPSK	1	0	Front	10mm	Ant 0	DSI 17	Reduced	26865	831.5	18.66	19.50	1.213	0.08	0.050	0.061	
	LTE Band 26	15M	QPSK	1	0	Back	10mm	Ant 0	DSI 17	Reduced	26865	831.5	18.66	19.50	1.213	-0.19	0.066	0.080	
	LTE Band 26	15M	QPSK	36	0	Front	10mm	Ant 0	DSI 17	Reduced	26865	831.5	18.66	19.50	1.213	-0.14	0.071	0.086	
	LTE Band 26	15M	QPSK	36	0	Back	10mm	Ant 0	DSI 17	Reduced	26865	831.5	18.66	19.50	1.213	0.04	0.094	0.114	
	LTE Band 26	15M	QPSK	1	0	Front	10mm	Ant 1	DSI 17	Reduced	26865	831.5	19.02	20.00	1.253	0.13	0.106	0.133	
	LTE Band 26	15M	QPSK	1	0	Back	10mm	Ant 1	DSI 17	Reduced	26865	831.5	19.02	20.00	1.253	0.02	0.119	0.149	
	LTE Band 26	15M	QPSK	36	0	Front	10mm	Ant 1	DSI 17	Reduced	26865	831.5	18.89	20.00	1.291	0.06	0.090	0.116	
	LTE Band 26	15M	QPSK	36	0	Back	10mm	Ant 1	DSI 17	Reduced	26865	831.5	18.89	20.00	1.291	0.05	0.109	0.141	
	LTE Band 66	20M	QPSK	1	0	Front	10mm	Ant 3	DSI 17	Reduced	132322	1745	20.11	21.00	1.227	-0.14	0.444	0.545	
	LTE Band 66	20M	QPSK	1	0	Back	10mm	Ant 3	DSI 17	Reduced	132322	1745	20.11	21.00	1.227	0.13	0.393	0.482	
	LTE Band 66	20M	QPSK	50	0	Front	10mm	Ant 3	DSI 17	Reduced	132322	1745	20.01	21.00	1.256	-0.02	0.441	0.554	
	LTE Band 66	20M	QPSK	50	0	Back	10mm	Ant 3	DSI 17	Reduced	132322	1745	20.01	21.00	1.256	0.1	0.419	0.526	
	LTE Band 66	20M	QPSK	1	0	Front	10mm	Ant 4	DSI 17	Reduced	132322	1745	22.15	23.00	1.216	0.13	0.457	0.556	
	LTE Band 66	20M	QPSK	1	0	Back	10mm	Ant 4	DSI 17	Reduced	132322	1745	22.15	23.00	1.216	-0.19	0.446	0.542	
64	LTE Band 66	20M	QPSK	50	0	Front	10mm	Ant 4	DSI 17	Reduced	132322	1745	22.11	23.00	1.227	0.08	0.482	0.592	
	LTE Band 66	20M	QPSK	50	0	Back	10mm	Ant 4	DSI 17	Reduced	132322	1745	22.11	23.00	1.227	-0.19	0.469	0.576	
ENDC																			
	LTE Band 66	20M	QPSK	1	0	Front	10mm	Ant 5	DSI 17	Reduced	132322	1745	18.23	19.50	1.340	-	n/a	n/a	
	LTE Band 66	20M	QPSK	1	0	Back	10mm	Ant 5	DSI 17	Reduced	132322	1745	18.23	19.50	1.340	-	n/a	n/a	



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	LTE Band 66	20M	QPSK	50	0	Front	10mm	Ant 5	DSI 17	Reduced	132322	1745	18.15	19.50	1.365	-	n/a	n/a	
	LTE Band 66	20M	QPSK	50	0	Back	10mm	Ant 5	DSI 17	Reduced	132322	1745	18.15	19.50	1.365	-	n/a	n/a	
	LTE Band 66	20M	QPSK	1	0	Front	10mm	Ant 4	DSI 17	Reduced	132322	1745	17.42	18.00	1.143	-0.1	0.137	0.157	
	LTE Band 66	20M	QPSK	1	0	Back	10mm	Ant 4	DSI 17	Reduced	132322	1745	17.42	18.00	1.143	0.09	0.147	0.168	
	LTE Band 66	20M	QPSK	50	0	Front	10mm	Ant 4	DSI 17	Reduced	132322	1745	17.28	18.00	1.180	-0.11	0.134	0.158	
	LTE Band 66	20M	QPSK	50	0	Back	10mm	Ant 4	DSI 17	Reduced	132322	1745	17.28	18.00	1.180	-0.08	0.152	0.179	
	ENDC																		
	LTE Band 25	20M	QPSK	1	0	Front	10mm	Ant 3	DSI 17	Reduced	26340	1880	21.05	22.00	1.245	-0.14	0.541	0.673	
	LTE Band 25	20M	QPSK	1	0	Back	10mm	Ant 3	DSI 17	Reduced	26340	1880	21.05	22.00	1.245	-0.15	0.501	0.624	
65	LTE Band 25	20M	QPSK	50	0	Front	10mm	Ant 3	DSI 17	Reduced	26340	1880	21.04	22.00	1.247	0.02	0.584	0.728	
	LTE Band 25_E-SIM	20M	QPSK	50	0	Front	10mm	Ant 3	DSI 17	Reduced	26340	1880	21.04	22.00	1.247	0.09	0.558	0.696	
	LTE Band 25	20M	QPSK	50	0	Back	10mm	Ant 3	DSI 17	Reduced	26340	1880	21.04	22.00	1.247	-0.02	0.511	0.637	
	LTE Band 25	20M	QPSK	1	0	Front	10mm	Ant 4	DSI 17	Reduced	26340	1880	21.98	23.00	1.265	-0.08	0.302	0.382	
	LTE Band 25	20M	QPSK	1	0	Back	10mm	Ant 4	DSI 17	Reduced	26340	1880	21.98	23.00	1.265	0.17	0.338	0.427	
	LTE Band 25	20M	QPSK	50	0	Front	10mm	Ant 4	DSI 17	Reduced	26340	1880	21.93	23.00	1.279	0.05	0.331	0.423	
	LTE Band 25	20M	QPSK	50	0	Back	10mm	Ant 4	DSI 17	Reduced	26340	1880	21.93	23.00	1.279	0.08	0.352	0.450	
	LTE Band 2_Inter-CA	20M	QPSK	1	0	Front	10mm	Ant 4	DSI 17	Reduced	18900	1880	22.26	23.00	1.186	-0.12	0.263	0.312	
	LTE Band 2_Inter-CA	20M	QPSK	1	0	Back	10mm	Ant 4	DSI 17	Reduced	18900	1880	22.26	23.00	1.186	0.13	0.416	0.493	
	LTE Band 2_Inter-CA	20M	QPSK	50	0	Front	10mm	Ant 4	DSI 17	Reduced	18900	1880	22.18	23.00	1.208	0.02	0.247	0.298	
	LTE Band 2_Inter-CA	20M	QPSK	50	0	Back	10mm	Ant 4	DSI 17	Reduced	18900	1880	22.18	23.00	1.208	0.19	0.303	0.366	
	LTE Band 2_Inter-CA	20M	QPSK	1	0	Front	10mm	Ant 5	DSI 17	Reduced	18900	1880	20.65	21.50	1.216	0.08	0.102	0.124	
	LTE Band 2_Inter-CA	20M	QPSK	1	0	Back	10mm	Ant 5	DSI 17	Reduced	18900	1880	20.65	21.50	1.216	0.18	0.154	0.187	
	LTE Band 2_Inter-CA	20M	QPSK	50	0	Front	10mm	Ant 5	DSI 17	Reduced	18900	1880	20.56	21.50	1.242	-0.15	0.096	0.119	
	LTE Band 2_Inter-CA	20M	QPSK	50	0	Back	10mm	Ant 5	DSI 17	Reduced	18900	1880	20.56	21.50	1.242	0.13	0.154	0.191	
	ENDC																		
	LTE Band 25	20M	QPSK	1	0	Front	10mm	Ant 3	DSI 17	Reduced	26340	1880	18.10	19.00	1.230	0.18	0.270	0.332	
	LTE Band 25	20M	QPSK	1	0	Back	10mm	Ant 3	DSI 17	Reduced	26340	1880	18.10	19.00	1.230	-0.07	0.255	0.314	
	LTE Band 25	20M	QPSK	50	0	Front	10mm	Ant 3	DSI 17	Reduced	26340	1880	18.08	19.00	1.236	-0.01	0.259	0.320	
	LTE Band 25	20M	QPSK	50	0	Back	10mm	Ant 3	DSI 17	Reduced	26340	1880	18.08	19.00	1.236	0.02	0.243	0.300	
	LTE Band 25	20M	QPSK	1	0	Front	10mm	Ant 4	DSI 17	Reduced	26340	1880	19.12	20.00	1.225	0.01	0.139	0.170	
	LTE Band 25	20M	QPSK	1	0	Back	10mm	Ant 4	DSI 17	Reduced	26340	1880	19.12	20.00	1.225	0.06	0.151	0.185	
	LTE Band 25	20M	QPSK	50	0	Front	10mm	Ant 4	DSI 17	Reduced	26340	1880	19.10	20.00	1.230	0.15	0.136	0.167	
	LTE Band 25	20M	QPSK	50	0	Back	10mm	Ant 4	DSI 17	Reduced	26340	1880	19.10	20.00	1.230	-0.03	0.152	0.187	
	LTE Band 7	20M	QPSK	1	0	Front	10mm	Ant 3	DSI 17	Reduced	21100	2535	17.82	19.00	1.312	-0.03	0.193	0.253	
	LTE Band 7	20M	QPSK	1	0	Back	10mm	Ant 3	DSI 17	Reduced	21100	2535	17.82	19.00	1.312	-0.03	0.274	0.360	
	LTE Band 7	20M	QPSK	50	0	Front	10mm	Ant 3	DSI 17	Reduced	21100	2535	17.78	19.00	1.324	0.14	0.187	0.248	
	LTE Band 7	20M	QPSK	50	0	Back	10mm	Ant 3	DSI 17	Reduced	21100	2535	17.78	19.00	1.324	-0.02	0.275	0.364	
	LTE Band 7C	20M	QPSK	50	0	Back	10mm	Ant 3	DSI 17	Reduced	21100+20902	2535+2515.2	17.76	19.00	1.330	-0.01	0.368	0.490	
	LTE Band 7	20M	QPSK	1	0	Front	10mm	Ant 4	DSI 17	Reduced	21100	2535	20.57	21.50	1.239	-0.15	0.305	0.378	
	LTE Band 7	20M	QPSK	1	0	Back	10mm	Ant 4	DSI 17	Reduced	21100	2535	20.57	21.50	1.239	0.19	0.298	0.369	
	LTE Band 7	20M	QPSK	50	0	Front	10mm	Ant 4	DSI 17	Reduced	21100	2535	20.47	21.50	1.268	0.09	0.377	0.478	
66	LTE Band 7C	20M	QPSK	50	0	Front	10mm	Ant 4	DSI 17	Reduced	21100+20902	2535+2515.2	20.43	21.50	1.279	-0.08	0.481	0.615	
	LTE Band 7	20M	QPSK	50	0	Back	10mm	Ant 4	DSI 17	Reduced	21100	2535	20.47	21.50	1.268	0.19	0.310	0.393	
	LTE Band 7_Inter-CA	20M	QPSK	1	0	Front	10mm	Ant 3	DSI 17	Reduced	21100	2535	16.22	17.00	1.197	-0.08	0.171	0.205	
	LTE Band 7_Inter-CA	20M	QPSK	1	0	Back	10mm	Ant 3	DSI 17	Reduced	21100	2535	16.22	17.00	1.197	-0.12	0.246	0.294	
	LTE Band 7_Inter-CA	20M	QPSK	50	0	Front	10mm	Ant 3	DSI 17	Reduced	21100	2535	16.15	17.00	1.216	0.15	0.180	0.219	
	LTE Band 7_Inter-CA	20M	QPSK	50	0	Back	10mm	Ant 3	DSI 17	Reduced	21100	2535	16.15	17.00	1.216	0.04	0.257	0.313	
	LTE Band 7_Inter-CA	20M	QPSK	1	0	Front	10mm	Ant 6	DSI 17	Full	21100	2535	20.05	20.50	1.109	-0.07	0.132	0.146	
	LTE Band 7_Inter-CA	20M	QPSK	1	0	Back	10mm	Ant 6	DSI 17	Full	21100	2535	20.05	20.50	1.109	-0.08	0.264	0.293	
	LTE Band 7_Inter-CA	20M	QPSK	50	0	Front	10mm	Ant 6	DSI 17	Full	21100	2535	19.30	19.50	1.047	-0.15	0.124	0.130	
	LTE Band 7_Inter-CA	20M	QPSK	50	0	Back	10mm	Ant 6	DSI 17	Full	21100	2535	19.30	19.50	1.047	-0.05	0.179	0.187	
	ENDC																		
	LTE Band 7	20M	QPSK	1	0	Front	10mm	Ant 3	DSI 17	Reduced	21100	2535	16.22	17.00	1.197	-0.08	0.171	0.205	
	LTE Band 7	20M	QPSK	1	0	Back	10mm	Ant 3	DSI 17	Reduced	21100	2535	16.22	17.00	1.197	-0.12	0.246	0.294	
	LTE Band 7	20M	QPSK	50	0	Front	10mm	Ant 3	DSI 17	Reduced	21100	2535	16.15	17.00	1.216	0.15	0.180	0.219	
	LTE Band 7	20M	QPSK	50	0	Back	10mm	Ant 3	DSI 17	Reduced	21100	2535	16.15	17.00	1.216	0.04	0.257	0.313	



# FCC SAR TEST REPORT

Report No. : FA101422

LTE Band 7	20M	QPSK	1	0	Front	10mm	Ant 4	DSI 17	Reduced	21100	2535	17.82	18.50	1.169	0.15	0.173	0.202
LTE Band 7	20M	QPSK	1	0	Back	10mm	Ant 4	DSI 17	Reduced	21100	2535	17.82	18.50	1.169	-0.11	0.135	0.158
LTE Band 7	20M	QPSK	50	0	Front	10mm	Ant 4	DSI 17	Reduced	21100	2535	17.79	18.50	1.178	0.03	0.168	0.198
LTE Band 7	20M	QPSK	50	0	Back	10mm	Ant 4	DSI 17	Reduced	21100	2535	17.79	18.50	1.178	0.14	0.129	0.152
LTE Band 7	20M	QPSK	1	0	Front	10mm	Ant 5	DSI 17	Reduced	21100	2535	17.07	18.00	1.239	0.02	0.159	0.197
LTE Band 7	20M	QPSK	1	0	Back	10mm	Ant 5	DSI 17	Reduced	21100	2535	17.07	18.00	1.239	0.07	0.223	0.276
LTE Band 7	20M	QPSK	50	0	Front	10mm	Ant 5	DSI 17	Reduced	21100	2535	16.98	18.00	1.265	0.18	0.148	0.187
LTE Band 7	20M	QPSK	50	0	Back	10mm	Ant 5	DSI 17	Reduced	21100	2535	16.98	18.00	1.265	0.19	0.213	0.269
LTE Band 7	20M	QPSK	1	0	Front	10mm	Ant 6	DSI 17	Reduced	21100	2535	19.13	20.00	1.222	0.07	0.111	0.136
LTE Band 7	20M	QPSK	1	0	Back	10mm	Ant 6	DSI 17	Reduced	21100	2535	19.13	20.00	1.222	-0.14	0.169	0.206
LTE Band 7	20M	QPSK	50	0	Front	10mm	Ant 6	DSI 17	Reduced	21100	2535	19.11	20.00	1.227	0.08	0.110	0.135
LTE Band 7	20M	QPSK	50	0	Back	10mm	Ant 6	DSI 17	Reduced	21100	2535	19.11	20.00	1.227	0.04	0.165	0.203

## <TDD LTE SAR>

Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Test Position	Gap (mm)	Antenna	Power State	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 38	20M	QPSK	1	99	Front	10mm	Ant 3	DSI 17	Reduced	38000	2595	19.19	20.00	1.205	62.9	1.006	0.11	0.151	0.183
	LTE Band 38	20M	QPSK	1	99	Back	10mm	Ant 3	DSI 17	Reduced	38000	2595	19.19	20.00	1.205	62.9	1.006	-0.06	0.231	0.280
	LTE Band 38	20M	QPSK	50	24	Front	10mm	Ant 3	DSI 17	Reduced	38000	2595	19.18	20.00	1.208	62.9	1.006	0.01	0.155	0.188
	LTE Band 38	20M	QPSK	50	24	Back	10mm	Ant 3	DSI 17	Reduced	38000	2595	19.18	20.00	1.208	62.9	1.006	-0.16	0.238	0.289
	LTE Band 38C	20M	QPSK	50	24	Back	10mm	Ant 3	DSI 17	Reduced	37901+38099	2585.1+2604.9	19.08	20.00	1.236	62.9	1.006	0.13	0.276	0.343
67	LTE Band 38	20M	QPSK	1	99	Front	10mm	Ant 4	DSI 17	Reduced	38000	2595	23.18	24.00	1.208	62.9	1.006	0.03	0.395	0.480
	LTE Band 38C	20M	QPSK	1	99	Front	10mm	Ant 4	DSI 17	Reduced	37901+38099	2585.1+2604.9	22.91	24.00	1.285	62.9	1.006	0.05	0.362	0.468
	LTE Band 38	20M	QPSK	1	99	Back	10mm	Ant 4	DSI 17	Reduced	38000	2595	23.18	24.00	1.208	62.9	1.006	-0.04	0.384	0.467
	LTE Band 38	20M	QPSK	50	24	Front	10mm	Ant 4	DSI 17	Reduced	38000	2595	22.65	23.50	1.216	62.9	1.006	-0.13	0.371	0.454
	LTE Band 38	20M	QPSK	50	24	Back	10mm	Ant 4	DSI 17	Reduced	38000	2595	22.65	23.50	1.216	62.9	1.006	-0.11	0.351	0.429
	LTE Band 41	20M	QPSK	1	99	Front	10mm	Ant 3	DSI 17	Reduced	40620	2593	18.66	19.50	1.213	62.9	1.006	-0.02	0.158	0.193
	LTE Band 41	20M	QPSK	1	99	Back	10mm	Ant 3	DSI 17	Reduced	40620	2593	18.66	19.50	1.213	62.9	1.006	-0.18	0.207	0.253
	LTE Band 41C	20M	QPSK	1	99	Back	10mm	Ant 3	DSI 17	Reduced	40620+40422	2593+2573.2	18.36	19.50	1.300	62.9	1.006	-0.04	0.227	0.297
	LTE Band 41	20M	QPSK	50	24	Front	10mm	Ant 3	DSI 17	Reduced	40620	2593	18.59	19.50	1.233	62.9	1.006	0.14	0.128	0.159
	LTE Band 41	20M	QPSK	50	24	Back	10mm	Ant 3	DSI 17	Reduced	40620	2593	18.59	19.50	1.233	62.9	1.006	0.02	0.174	0.216
	LTE Band 41	20M	QPSK	1	99	Front	10mm	Ant 4	DSI 17	Full	40620	2593	23.78	24.00	1.052	62.9	1.006	-0.05	0.396	0.419
	LTE Band 41C	20M	QPSK	1	99	Front	10mm	Ant 4	DSI 17	Full	40620+40422	2593+2573.2	22.72	24.00	1.343	62.9	1.006	0.03	0.305	0.412
	LTE Band 41	20M	QPSK	1	99	Back	10mm	Ant 4	DSI 17	Full	40620	2593	23.78	24.00	1.052	62.9	1.006	0.12	0.379	0.401
	LTE Band 41	20M	QPSK	50	24	Front	10mm	Ant 4	DSI 17	Full	40620	2593	22.73	23.00	1.064	62.9	1.006	-0.05	0.322	0.345
	LTE Band 41	20M	QPSK	50	24	Back	10mm	Ant 4	DSI 17	Full	40620	2593	22.73	23.00	1.064	62.9	1.006	-0.14	0.309	0.331
	LTE Band 41-PC2	20M	QPSK	1	99	Front	10mm	Ant 3	DSI 17	Reduced	40620	2593	20.93	21.50	1.140	42.9	1.009	0.12	0.138	0.159
	LTE Band 41-PC2	20M	QPSK	1	99	Back	10mm	Ant 3	DSI 17	Reduced	40620	2593	20.93	21.50	1.140	42.9	1.009	0.18	0.206	0.237
	LTE Band 41-PC2	20M	QPSK	50	24	Front	10mm	Ant 3	DSI 17	Reduced	40620	2593	20.89	21.50	1.151	42.9	1.009	0.06	0.139	0.161
	LTE Band 41-PC2	20M	QPSK	50	24	Back	10mm	Ant 3	DSI 17	Reduced	40620	2593	20.89	21.50	1.151	42.9	1.009	0.13	0.200	0.232
68	LTE Band 41-PC2	20M	QPSK	1	99	Front	10mm	Ant 4	DSI 17	Full	40620	2593	25.52	26.00	1.117	42.9	1.009	0.14	0.411	0.463
	LTE Band 41-PC2	20M	QPSK	1	99	Back	10mm	Ant 4	DSI 17	Full	40620	2593	25.52	26.00	1.117	42.9	1.009	-0.11	0.402	0.453
	LTE Band 41-PC2	20M	QPSK	50	24	Front	10mm	Ant 4	DSI 17	Full	40620	2593	24.51	25.00	1.119	42.9	1.009	0.04	0.355	0.401
	LTE Band 41-PC2	20M	QPSK	50	24	Back	10mm	Ant 4	DSI 17	Full	40620	2593	24.51	25.00	1.119	42.9	1.009	0.04	0.342	0.386



<5G NR SAR>

Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Mode	Test Position	Gap (mm)	Antenna	Power State	Power Reduction	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)
	FR1 n12	15M	QPSK	1	1	DFT-15	Front	10mm	Ant 0	DSI 17	Full	141500	707.5	23.26	24.20	1.242	0.18	0.206	0.256
	FR1 n12	15M	QPSK	1	1	DFT-15	Back	10mm	Ant 0	DSI 17	Full	141500	707.5	23.26	24.20	1.242	0.15	0.265	0.329
	FR1 n12	15M	QPSK	36	22	DFT-15	Front	10mm	Ant 0	DSI 17	Full	141500	707.5	23.22	24.20	1.253	-0.18	0.213	0.267
69	FR1 n12	15M	QPSK	36	22	DFT-15	Back	10mm	Ant 0	DSI 17	Full	141500	707.5	23.22	24.20	1.253	-0.01	0.342	0.429
	FR1 n12	15M	QPSK	1	1	DFT-15	Front	10mm	Ant 1	DSI 17	Full	141500	707.5	22.91	24.20	1.346	-0.03	0.047	0.063
	FR1 n12	15M	QPSK	1	1	DFT-15	Back	10mm	Ant 1	DSI 17	Full	141500	707.5	22.91	24.20	1.346	-0.02	0.058	0.078
	FR1 n12	15M	QPSK	36	22	DFT-15	Front	10mm	Ant 1	DSI 17	Full	141500	707.5	22.78	24.20	1.387	0.05	0.045	0.062
	FR1 n12	15M	QPSK	36	22	DFT-15	Back	10mm	Ant 1	DSI 17	Full	141500	707.5	22.78	24.20	1.387	-0.19	0.058	0.080
	FR1 n13	10M	QPSK	1	1	DFT-15	Front	10mm	Ant 0	DSI 17	Full	156400	782	23.05	24.20	1.303	0.03	0.139	0.181
	FR1 n13	10M	QPSK	1	1	DFT-15	Back	10mm	Ant 0	DSI 17	Full	156400	782	23.05	24.20	1.303	-0.09	0.175	0.228
	FR1 n13	10M	QPSK	25	14	DFT-15	Front	10mm	Ant 0	DSI 17	Full	156400	782	23.04	24.20	1.306	-0.01	0.141	0.184
	FR1 n13	10M	QPSK	25	14	DFT-15	Back	10mm	Ant 0	DSI 17	Full	156400	782	23.04	24.20	1.306	0.01	0.196	0.256
	FR1 n13	10M	QPSK	1	1	DFT-15	Front	10mm	Ant 1	DSI 17	Full	156400	782	22.84	24.20	1.368	0.13	0.183	0.250
	FR1 n13	10M	QPSK	1	1	DFT-15	Back	10mm	Ant 1	DSI 17	Full	156400	782	22.84	24.20	1.368	-0.11	0.220	0.301
	FR1 n13	10M	QPSK	25	14	DFT-15	Front	10mm	Ant 1	DSI 17	Full	156400	782	22.82	24.20	1.374	0.05	0.184	0.253
70	FR1 n13	10M	QPSK	25	14	DFT-15	Back	10mm	Ant 1	DSI 17	Full	156400	782	22.82	24.20	1.374	0.02	0.222	0.305
	FR1 n5	20M	QPSK	1	1	DFT-15	Front	10mm	Ant 0	DSI 17	Full	167300	836.5	23.05	24.20	1.303	0.08	0.210	0.274
	FR1 n5	20M	QPSK	1	1	DFT-15	Back	10mm	Ant 0	DSI 17	Full	167300	836.5	23.05	24.20	1.303	-0.07	0.265	0.345
	FR1 n5	20M	QPSK	50	28	DFT-15	Front	10mm	Ant 0	DSI 17	Full	167300	836.5	22.95	24.20	1.334	0.02	0.212	0.283
	FR1 n5	20M	QPSK	50	28	DFT-15	Back	10mm	Ant 0	DSI 17	Full	167300	836.5	22.95	24.20	1.334	0.05	0.314	0.419
	FR1 n5	20M	QPSK	1	1	DFT-15	Front	10mm	Ant 1	DSI 17	Full	167300	836.5	23.20	24.20	1.259	0.19	0.238	0.300
	FR1 n5	20M	QPSK	1	1	DFT-15	Back	10mm	Ant 1	DSI 17	Full	167300	836.5	23.20	24.20	1.259	-0.19	0.307	0.386
	FR1 n5	20M	QPSK	50	28	DFT-15	Front	10mm	Ant 1	DSI 17	Full	167300	836.5	23.04	24.20	1.306	0.02	0.249	0.325
71	FR1 n5	20M	QPSK	50	28	DFT-15	Back	10mm	Ant 1	DSI 17	Full	167300	836.5	23.04	24.20	1.306	0.01	0.342	0.447
ENDC																			
	FR1 n5	20M	QPSK	1	1	DFT-15	Front	10mm	Ant 0	DSI 17	Reduced	167300	836.5	17.44	18.70	1.337	0.06	0.063	0.084
	FR1 n5	20M	QPSK	1	1	DFT-15	Back	10mm	Ant 0	DSI 17	Reduced	167300	836.5	17.44	18.70	1.337	0.02	0.075	0.100
	FR1 n5	20M	QPSK	50	28	DFT-15	Front	10mm	Ant 0	DSI 17	Reduced	167300	836.5	17.38	18.70	1.355	0.12	0.061	0.083
	FR1 n5	20M	QPSK	50	28	DFT-15	Back	10mm	Ant 0	DSI 17	Reduced	167300	836.5	17.38	18.70	1.355	0.03	0.073	0.099
	FR1 n5	20M	QPSK	1	1	DFT-15	Front	10mm	Ant 1	DSI 17	Reduced	167300	836.5	17.89	18.70	1.205	-0.12	0.073	0.088
	FR1 n5	20M	QPSK	1	1	DFT-15	Back	10mm	Ant 1	DSI 17	Reduced	167300	836.5	17.89	18.70	1.205	0.08	0.078	0.094
	FR1 n5	20M	QPSK	50	28	DFT-15	Front	10mm	Ant 1	DSI 17	Reduced	167300	836.5	17.85	18.70	1.216	0.08	0.075	0.091
	FR1 n5	20M	QPSK	50	28	DFT-15	Back	10mm	Ant 1	DSI 17	Reduced	167300	836.5	17.85	18.70	1.216	0.07	0.099	0.120
	FR1 n26	20M	QPSK	1	1	DFT-15	Front	10mm	Ant 0	DSI 17	Full	166300	831.5	23.10	24.20	1.288	-0.17	0.050	0.064
	FR1 n26	20M	QPSK	1	1	DFT-15	Back	10mm	Ant 0	DSI 17	Full	166300	831.5	23.10	24.20	1.288	-0.1	0.063	0.081
	FR1 n26	20M	QPSK	50	28	DFT-15	Front	10mm	Ant 0	DSI 17	Full	166300	831.5	22.92	24.20	1.343	-0.1	0.052	0.070
	FR1 n26	20M	QPSK	50	28	DFT-15	Back	10mm	Ant 0	DSI 17	Full	166300	831.5	22.92	24.20	1.343	0.19	0.072	0.097
	FR1 n26	20M	QPSK	1	1	DFT-15	Front	10mm	Ant 1	DSI 17	Full	166300	831.5	23.31	24.20	1.227	-0.11	0.113	0.139
72	FR1 n26	20M	QPSK	1	1	DFT-15	Back	10mm	Ant 1	DSI 17	Full	166300	831.5	23.31	24.20	1.227	0.1	0.211	0.259
	FR1 n26	20M	QPSK	50	28	DFT-15	Front	10mm	Ant 1	DSI 17	Full	166300	831.5	23.28	24.20	1.236	0.13	0.120	0.148
	FR1 n26	20M	QPSK	50	28	DFT-15	Back	10mm	Ant 1	DSI 17	Full	166300	831.5	23.28	24.20	1.236	0.19	0.100	0.124
	FR1 n66	40M	QPSK	1	1	DFT-15	Front	10mm	Ant 3	DSI 17	Reduced	349000	1745	17.89	19.70	1.517	-0.15	0.086	0.130
	FR1 n66	40M	QPSK	1	1	DFT-15	Back	10mm	Ant 3	DSI 17	Reduced	349000	1745	17.89	19.70	1.517	0.01	0.077	0.117
	FR1 n66	40M	QPSK	108	54	DFT-15	Front	10mm	Ant 3	DSI 17	Reduced	349000	1745	17.85	19.70	1.531	-0.13	0.104	0.159
	FR1 n66	40M	QPSK	108	54	DFT-15	Back	10mm	Ant 3	DSI 17	Reduced	349000	1745	17.85	19.70	1.531	-0.16	0.082	0.126
	FR1 n66	40M	QPSK	1	1	DFT-15	Front	10mm	Ant 4	DSI 17	Reduced	349000	1745	21.22	22.20	1.253	0.05	0.367	0.460
	FR1 n66	40M	QPSK	1	1	DFT-15	Back	10mm	Ant 4	DSI 17	Reduced	349000	1745	21.22	22.20	1.253	0.18	0.423	0.530
	FR1 n66	40M	QPSK	108	54	DFT-15	Front	10mm	Ant 4	DSI 17	Reduced	349000	1745	21.09	22.20	1.291	0.08	0.402	0.519
73	FR1 n66	40M	QPSK	108	54	DFT-15	Back	10mm	Ant 4	DSI 17	Reduced	349000	1745	21.09	22.20	1.291	0.11	0.525	0.678
ENDC																			
	FR1 n66	40M	QPSK	1	1	DFT-15	Front	10mm	Ant 3	DSI 17	Reduced	349000	1745	16.44	17.70	1.337	0.02	0.059	0.079



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	FR1 n66	40M	QPSK	1	1	DFT-15	Back	10mm	Ant 3	DSI 17	Reduced	349000	1745	16.44	17.70	1.337	-0.08	0.058	0.078
	FR1 n66	40M	QPSK	108	54	DFT-15	Front	10mm	Ant 3	DSI 17	Reduced	349000	1745	16.40	17.70	1.349	0.08	0.076	0.103
	FR1 n66	40M	QPSK	108	54	DFT-15	Back	10mm	Ant 3	DSI 17	Reduced	349000	1745	16.40	17.70	1.349	0.06	0.070	0.094
	FR1 n66	40M	QPSK	1	1	DFT-15	Front	10mm	Ant 6	DSI 17	Reduced	349000	1745	17.94	18.70	1.191	0.12	0.072	0.086
	FR1 n66	40M	QPSK	1	1	DFT-15	Back	10mm	Ant 6	DSI 17	Reduced	349000	1745	17.94	18.70	1.191	0.08	0.105	0.125
	FR1 n66	40M	QPSK	108	54	DFT-15	Front	10mm	Ant 6	DSI 17	Reduced	349000	1745	17.87	18.70	1.211	0.04	0.078	0.094
	FR1 n66	40M	QPSK	108	54	DFT-15	Back	10mm	Ant 6	DSI 17	Reduced	349000	1745	17.87	18.70	1.211	0.11	0.118	0.143
	FR1 n2	20M	QPSK	1	1	DFT-15	Front	10mm	Ant 3	DSI 17	Reduced	376000	1880	20.05	21.20	1.303	-0.01	0.408	0.532
	FR1 n2	20M	QPSK	1	1	DFT-15	Back	10mm	Ant 3	DSI 17	Reduced	376000	1880	20.05	21.20	1.303	0.05	0.380	0.495
	FR1 n2	20M	QPSK	50	28	DFT-15	Front	10mm	Ant 3	DSI 17	Reduced	376000	1880	19.98	21.20	1.324	-0.18	0.413	0.547
74	FR1 n2	20M	QPSK	50	28	DFT-15	Back	10mm	Ant 3	DSI 17	Reduced	376000	1880	19.98	21.20	1.324	0.02	0.453	0.600
	FR1 n2	20M	QPSK	1	1	DFT-15	Front	10mm	Ant 4	DSI 17	Reduced	376000	1880	20.84	22.20	1.368	-0.16	0.234	0.320
	FR1 n2	20M	QPSK	1	1	DFT-15	Back	10mm	Ant 4	DSI 17	Reduced	376000	1880	20.84	22.20	1.368	-0.02	0.312	0.427
	FR1 n2	20M	QPSK	50	28	DFT-15	Front	10mm	Ant 4	DSI 17	Reduced	376000	1880	20.81	22.20	1.377	0.07	0.250	0.344
	FR1 n2	20M	QPSK	50	28	DFT-15	Back	10mm	Ant 4	DSI 17	Reduced	376000	1880	20.81	22.20	1.377	0.03	0.384	0.529
	FR1 n25	40M	QPSK	1	1	DFT-15	Front	10mm	Ant 3	DSI 17	Reduced	376500	1882.5	19.77	21.20	1.390	0.03	0.079	0.110
	FR1 n25	40M	QPSK	1	1	DFT-15	Back	10mm	Ant 3	DSI 17	Reduced	376500	1882.5	19.77	21.20	1.390	-0.13	0.072	0.100
	FR1 n25	40M	QPSK	108	54	DFT-15	Front	10mm	Ant 3	DSI 17	Reduced	376500	1882.5	19.64	21.20	1.432	0.11	0.074	0.106
	FR1 n25	40M	QPSK	108	54	DFT-15	Back	10mm	Ant 3	DSI 17	Reduced	376500	1882.5	19.64	21.20	1.432	0.17	0.067	0.096
	FR1 n25	40M	QPSK	1	1	DFT-15	Front	10mm	Ant 4	DSI 17	Reduced	376500	1882.5	21.08	22.20	1.294	0.03	0.108	0.140
	FR1 n25	40M	QPSK	1	1	DFT-15	Back	10mm	Ant 4	DSI 17	Reduced	376500	1882.5	21.08	22.20	1.294	0.07	0.156	0.202
	FR1 n25	40M	QPSK	108	54	DFT-15	Front	10mm	Ant 4	DSI 17	Reduced	376500	1882.5	21.03	22.20	1.309	-0.12	0.122	0.160
75	FR1 n25	40M	QPSK	108	54	DFT-15	Back	10mm	Ant 4	DSI 17	Reduced	376500	1882.5	21.03	22.20	1.309	-0.02	0.191	0.250
	FR1 n7	50M	QPSK	1	1	DFT-15	Front	10mm	Ant 3	DSI 17	Reduced	507000	2535	17.62	18.20	1.143	0.13	0.215	0.246
	FR1 n7	50M	QPSK	1	1	DFT-15	Back	10mm	Ant 3	DSI 17	Reduced	507000	2535	17.62	18.20	1.143	0.12	0.303	0.346
	FR1 n7	50M	QPSK	135	68	DFT-15	Front	10mm	Ant 3	DSI 17	Reduced	507000	2535	17.59	18.20	1.151	0.1	0.210	0.242
	FR1 n7	50M	QPSK	135	68	DFT-15	Back	10mm	Ant 3	DSI 17	Reduced	507000	2535	17.59	18.20	1.151	0.06	0.321	0.369
76	FR1 n7	50M	QPSK	1	1	DFT-15	Front	10mm	Ant 4	DSI 17	Reduced	507000	2535	19.69	21.20	1.416	-0.06	0.349	0.494
	FR1 n7	50M	QPSK	1	1	DFT-15	Back	10mm	Ant 4	DSI 17	Reduced	507000	2535	19.69	21.20	1.416	0.12	0.308	0.436
	FR1 n7	50M	QPSK	135	68	DFT-15	Front	10mm	Ant 4	DSI 17	Reduced	507000	2535	19.66	21.20	1.426	-0.02	0.341	0.486
	FR1 n7	50M	QPSK	135	68	DFT-15	Back	10mm	Ant 4	DSI 17	Reduced	507000	2535	19.66	21.20	1.426	0.03	0.291	0.415
ENDC																			
	FR1 n7	40M	QPSK	1	1	DFT-15	Front	10mm	Ant 3	DSI 17	Reduced	507000	2535	14.54	15.70	1.306	0.08	0.085	0.111
	FR1 n7	40M	QPSK	1	1	DFT-15	Back	10mm	Ant 3	DSI 17	Reduced	507000	2535	14.54	15.70	1.306	0.06	0.121	0.158
	FR1 n7	40M	QPSK	108	54	DFT-15	Front	10mm	Ant 3	DSI 17	Reduced	507000	2535	14.52	15.70	1.312	0.06	0.086	0.113
	FR1 n7	40M	QPSK	108	54	DFT-15	Back	10mm	Ant 3	DSI 17	Reduced	507000	2535	14.52	15.70	1.312	-0.07	0.123	0.161
	FR1 n7	40M	QPSK	1	1	DFT-15	Front	10mm	Ant 6	DSI 17	Reduced	507000	2535	18.73	19.70	1.250	0.05	0.083	0.104
	FR1 n7	40M	QPSK	1	1	DFT-15	Back	10mm	Ant 6	DSI 17	Reduced	507000	2535	18.73	19.70	1.250	0.01	0.129	0.161
	FR1 n7	40M	QPSK	108	54	DFT-15	Front	10mm	Ant 6	DSI 17	Reduced	507000	2535	18.70	19.70	1.259	0.06	0.115	0.145
	FR1 n7	40M	QPSK	108	54	DFT-15	Back	10mm	Ant 6	DSI 17	Reduced	507000	2535	18.70	19.70	1.259	0.07	0.166	0.209
	FR1 n38	30M	QPSK	1	1	DFT-30	Front	10mm	Ant 3	DSI 17	Reduced	519000	2595	15.99	17.70	1.483	-0.07	0.116	0.172
	FR1 n38	30M	QPSK	1	1	DFT-30	Back	10mm	Ant 3	DSI 17	Reduced	519000	2595	15.99	17.70	1.483	-0.02	0.165	0.245
	FR1 n38	30M	QPSK	36	18	DFT-30	Front	10mm	Ant 3	DSI 17	Reduced	519000	2595	15.94	17.70	1.500	0.06	0.108	0.162
	FR1 n38	30M	QPSK	36	18	DFT-30	Back	10mm	Ant 3	DSI 17	Reduced	519000	2595	15.94	17.70	1.500	0.1	0.155	0.232
77	FR1 n38	30M	QPSK	1	1	DFT-30	Front	10mm	Ant 4	DSI 17	Reduced	519000	2595	20.18	21.20	1.265	0.03	0.381	0.482
	FR1 n38	30M	QPSK	1	1	DFT-30	Back	10mm	Ant 4	DSI 17	Reduced	519000	2595	20.18	21.20	1.265	0.09	0.274	0.347
	FR1 n38	30M	QPSK	36	18	DFT-30	Front	10mm	Ant 4	DSI 17	Reduced	519000	2595	20.05	21.20	1.303	0.14	0.270	0.352
	FR1 n38	30M	QPSK	36	18	DFT-30	Back	10mm	Ant 4	DSI 17	Reduced	519000	2595	20.05	21.20	1.303	0.07	0.262	0.341
	FR1 n41	100M	QPSK	1	1	DFT-30	Front	10mm	Ant 3	DSI 17	Reduced	518598	2592.99	16.47	17.70	1.327	-0.17	0.161	0.214
	FR1 n41	100M	QPSK	1	1	DFT-30	Back	10mm	Ant 3	DSI 17	Reduced	518598	2592.99	16.47	17.70	1.327	0.19	0.234	0.311
	FR1 n41	100M	QPSK	135	69	DFT-30	Front	10mm	Ant 3	DSI 17	Reduced	518598	2592.99	16.42	17.70	1.343	-0.02	0.134	0.180
	FR1 n41	100M	QPSK	135	69	DFT-30	Back	10mm	Ant 3	DSI 17	Reduced	518598	2592.99	16.42	17.70	1.343	0.15	0.195	0.262
	FR1 n41	100M	QPSK	1	1	DFT-30	Front	10mm	Ant 4	DSI 17	Reduced	518598	2592.99	20.27	21.20	1.239	0.14	0.390	0.483
	FR1 n41	100M	QPSK	1	1	DFT-30	Back	10mm	Ant 4	DSI 17	Reduced	518598	2592.99	20.27	21.20	1.239	0.07	0.309	0.383
	FR1 n41	100M	QPSK	135	69	DFT-30	Front	10mm	Ant 4	DSI 17	Reduced	518598	2592.99	20.19	21.20	1.262	-0.19	0.303	0.382
	FR1 n41	100M	QPSK	135	69	DFT-30	Back	10mm	Ant 4	DSI 17	Reduced	518598	2592.99	20.19	21.20	1.262	-0.08	0.300	0.379





# FCC SAR TEST REPORT

Report No. : FA101422

	FR1 n41_MIMO	100M	QPSK	1	1	DFT-30	Front	10mm	Ant 3	DSI 17	Full	518598	2592.99	16.47	17.70	1.327	-0.17	0.161	0.214
	FR1 n41_MIMO	100M	QPSK	1	1	DFT-30	Back	10mm	Ant 3	DSI 17	Full	518598	2592.99	16.47	17.70	1.327	0.19	0.234	0.311
	FR1 n41_MIMO	100M	QPSK	135	69	DFT-30	Front	10mm	Ant 3	DSI 17	Full	518598	2592.99	16.42	17.70	1.343	-0.02	0.134	0.180
	FR1 n41_MIMO	100M	QPSK	135	69	DFT-30	Back	10mm	Ant 3	DSI 17	Full	518598	2592.99	16.42	17.70	1.343	0.15	0.195	0.262
	FR1 n41_MIMO	100M	QPSK	1	1	DFT-30	Front	10mm	Ant 4	DSI 17	Full	518598	2592.99	18.12	19.20	1.282	0.01	0.192	0.246
	FR1 n41_MIMO	100M	QPSK	1	1	DFT-30	Back	10mm	Ant 4	DSI 17	Full	518598	2592.99	18.12	19.20	1.282	0.14	0.152	0.195
	FR1 n41_MIMO	100M	QPSK	135	69	DFT-30	Front	10mm	Ant 4	DSI 17	Full	518598	2592.99	17.93	19.20	1.340	-0.12	0.152	0.204
	FR1 n41_MIMO	100M	QPSK	135	69	DFT-30	Back	10mm	Ant 4	DSI 17	Full	518598	2592.99	17.93	19.20	1.340	-0.19	0.151	0.202
	FR1 n41_MIMO	100M	QPSK	1	1	DFT-30	Front	10mm	Ant 5	DSI 17	Full	518598	2592.99	17.34	18.70	1.368	-0.15	0.249	0.341
	FR1 n41_MIMO	100M	QPSK	1	1	DFT-30	Back	10mm	Ant 5	DSI 17	Full	518598	2592.99	17.34	18.70	1.368	-0.1	0.349	0.477
	FR1 n41_MIMO	100M	QPSK	135	69	DFT-30	Front	10mm	Ant 5	DSI 17	Full	518598	2592.99	17.25	18.70	1.396	-0.18	0.252	0.352
78	FR1 n41_MIMO	100M	QPSK	135	69	DFT-30	Back	10mm	Ant 5	DSI 17	Full	518598	2592.99	17.25	18.70	1.396	-0.18	0.356	0.497
ENDC																			
	FR1 n41	100M	QPSK	1	1	DFT-30	Front	10mm	Ant 5	DSI 17	Reduced	518598	2592.99	15.42	16.70	1.343	0.06	0.135	0.181
	FR1 n41	100M	QPSK	1	1	DFT-30	Back	10mm	Ant 5	DSI 17	Reduced	518598	2592.99	15.42	16.70	1.343	0.02	0.188	0.252
	FR1 n41	100M	QPSK	135	69	DFT-30	Front	10mm	Ant 5	DSI 17	Reduced	518598	2592.99	15.40	16.70	1.349	0.08	0.133	0.179
	FR1 n41	100M	QPSK	135	69	DFT-30	Back	10mm	Ant 5	DSI 17	Reduced	518598	2592.99	15.40	16.70	1.349	-0.02	0.197	0.266

## <WLAN2.4G SAR>

Plot No.	Band	Mode	Test Position	Gap (mm)	Antenna	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)
	WLAN2.4GHz	802.11b 1Mbps	Front	10mm	Ant 7	Full	6	2437	15.50	16.00	1.122	100	1.000	0.03	0.101	0.113
79	WLAN2.4GHz	802.11b 1Mbps	Back	10mm	Ant 7	Full	6	2437	15.50	16.00	1.122	100	1.000	0.07	0.132	0.148
	WLAN2.4GHz	802.11b 1Mbps	Front	10mm	Ant 6	Full	6	2437	15.70	16.00	1.072	100	1.000	0.18	0.060	0.065
	WLAN2.4GHz	802.11b 1Mbps	Back	10mm	Ant 6	Full	6	2437	15.70	16.00	1.072	100	1.000	-0.17	0.080	0.085

## <WLAN5G SAR>

Plot No.	Band	Mode	Test Position	Gap (mm)	Antenna	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)
	WLAN5.3GHz	802.11a 6Mbps	Front	10mm	Ant 8	Full	60	5300	17.03	17.50	1.114	99.04	1.010	-0.01	0.154	0.173
	WLAN5.3GHz	802.11a 6Mbps	Back	10mm	Ant 8	Full	60	5300	17.03	17.50	1.114	99.04	1.010	0.01	0.193	0.217
	WLAN5.3GHz	802.11a 6Mbps	Front	10mm	Ant 10	Full	60	5300	16.32	17.50	1.312	99.04	1.010	0.15	0.175	0.232
80	WLAN5.3GHz	802.11a 6Mbps	Back	10mm	Ant 10	Full	60	5300	16.32	17.50	1.312	99.04	1.010	0.03	0.303	0.401
	WLAN5.3GHz	802.11ac-VHT80 MCS0	Front	10mm	Ant 10	Simultaneous	58	5290	13.35	14.50	1.303	100	1.000	-	n/a	n/a
	WLAN5.3GHz	802.11ac-VHT80 MCS0	Back	10mm	Ant 10	Simultaneous	58	5290	13.35	14.50	1.303	100	1.000	-0.05	0.187	0.244
	WLAN5.5GHz	802.11a 6Mbps	Front	10mm	Ant 8	Full	140	5700	16.74	17.50	1.191	99.04	1.010	-0.07	0.154	0.185
81	WLAN5.5GHz	802.11a 6Mbps	Back	10mm	Ant 8	Full	140	5700	16.74	17.50	1.191	99.04	1.010	0.03	0.566	0.681
	WLAN5.5GHz	802.11ac-VHT80 MCS0	Front	10mm	Ant 8	Simultaneous	106	5530	13.84	14.50	1.164	100	1.000	0.05	0.110	0.128
	WLAN5.5GHz	802.11ac-VHT80 MCS0	Back	10mm	Ant 8	Simultaneous	106	5530	13.84	14.50	1.164	100	1.000	-0.12	0.187	0.218
	WLAN5.5GHz	802.11a 6Mbps	Front	10mm	Ant 10	Full	100	5500	16.43	17.50	1.279	99.04	1.010	0.14	0.078	0.101
	WLAN5.5GHz	802.11a 6Mbps	Back	10mm	Ant 10	Full	100	5500	16.43	17.50	1.279	99.04	1.010	-0.05	0.299	0.386
	WLAN5.5GHz	802.11ac-VHT80 MCS0	Front	10mm	Ant 10	Simultaneous	106	5530	13.25	14.50	1.334	100	1.000	-0.08	0.039	0.052
	WLAN5.5GHz	802.11ac-VHT80 MCS0	Back	10mm	Ant 10	Simultaneous	106	5530	13.25	14.50	1.334	100	1.000	0.15	0.180	0.240
	WLAN5.8GHz	802.11a 6Mbps	Front	10mm	Ant 8	Full	165	5825	16.69	17.50	1.204	99.04	1.010	0.1	0.122	0.148
82	WLAN5.8GHz	802.11a 6Mbps	Back	10mm	Ant 8	Full	165	5825	16.69	17.50	1.204	99.04	1.010	0.09	0.665	0.809
	WLAN5.8GHz	802.11a 6Mbps	Back	10mm	Ant 8	Full	149	5745	16.65	17.50	1.216	99.04	1.010	0.05	0.578	0.710
	WLAN5.8GHz	802.11ac-VHT80 MCS0	Front	10mm	Ant 8	Simultaneous	155	5775	11.65	12.00	1.084	100	1.000	0.02	0.022	0.024
	WLAN5.8GHz	802.11ac-VHT80 MCS0	Back	10mm	Ant 8	Simultaneous	155	5775	11.65	12.00	1.084	100	1.000	0.05	0.199	0.216
	WLAN5.8GHz	802.11a 6Mbps	Front	10mm	Ant 10	Full	149	5745	16.21	17.50	1.345	99.04	1.010	0.17	0.101	0.137
	WLAN5.8GHz	802.11a 6Mbps	Back	10mm	Ant 10	Full	149	5745	16.21	17.50	1.345	99.04	1.010	-0.01	0.314	0.427
	WLAN5.8GHz	802.11ac-VHT80 MCS0	Front	10mm	Ant 10	Simultaneous	155	5775	13.18	14.00	1.208	100	1.000	0.11	0.051	0.062
	WLAN5.8GHz	802.11ac-VHT80 MCS0	Back	10mm	Ant 10	Simultaneous	155	5775	13.18	14.00	1.208	100	1.000	0.02	0.180	0.217



**<Bluetooth SAR>**

Plot No.	Band	Mode	Test Position	Gap (mm)	Antenna	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)
	Bluetooth	DH5 1Mbps	Front	10mm	Ant 7	Full	0	2402	15.10	16.50	1.380	76.87	1.301	-0.18	0.084	0.151
83	Bluetooth	DH5 1Mbps	Back	10mm	Ant 7	Full	0	2402	15.10	16.50	1.380	76.87	1.301	0.15	0.095	<b>0.170</b>

**16.4 Product Specific SAR**

**<WCDMA SAR>**

Plot No.	Band	Mode	Test Position	Gap (mm)	Antenna	Power State	Power Reduction	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)
84	WCDMA IV	RMC 12.2Kbps	Top Side	0mm	Ant 3	DSI 17	Reduced	1413	1732.6	19.91	20.50	1.146	-0.04	0.902	<b>1.033</b>
	WCDMA IV	RMC 12.2Kbps	Bottom Side	0mm	Ant 4	DSI 17	Reduced	1413	1732.6	21.56	22.00	1.107	-0.13	0.774	0.857
	WCDMA II	RMC 12.2Kbps	Top Side	0mm	Ant 3	DSI 17	Reduced	9400	1880	19.76	20.50	1.186	0.18	0.567	0.672
85	WCDMA II	RMC 12.2Kbps	Bottom Side	0mm	Ant 4	DSI 17	Reduced	9400	1880	21.89	22.00	1.026	-0.06	1.090	<b>1.118</b>

**<FDD LTE SAR>**

Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Test Position	Gap (mm)	Antenna	Power State	Power Reduction	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 66	20M	QPSK	1	0	Top Side	0mm	Ant 3	DSI 17	Reduced	132322	1745	20.11	21.00	1.227	0.1	0.791	0.971	
	LTE Band 66	20M	QPSK	50	0	Top Side	0mm	Ant 3	DSI 17	Reduced	132322	1745	20.01	21.00	1.256	0.12	0.838	1.053	
	LTE Band 66	20M	QPSK	1	0	Bottom Side	0mm	Ant 4	DSI 17	Reduced	132322	1745	22.15	23.00	1.216	0.07	0.802	0.975	
86	LTE Band 66	20M	QPSK	50	0	Bottom Side	0mm	Ant 4	DSI 17	Reduced	132322	1745	22.11	23.00	1.227	0.07	0.860	<b>1.056</b>	
	LTE Band 25	20M	QPSK	1	0	Top Side	0mm	Ant 3	DSI 17	Reduced	26340	1880	21.05	22.00	1.245	-0.09	0.644	0.801	
87	LTE Band 25	20M	QPSK	50	0	Top Side	0mm	Ant 3	DSI 17	Reduced	26340	1880	21.04	22.00	1.247	-0.19	0.692	<b>0.863</b>	
ENDC																			
	LTE Band 25	20M	QPSK	1	0	Top Side	0mm	Ant 3	DSI 17	Reduced	26340	1880	18.10	19.00	1.230	0.16	0.403	0.496	
	LTE Band 25	20M	QPSK	50	0	Top Side	0mm	Ant 3	DSI 17	Reduced	26340	1880	18.08	19.00	1.236	0.12	0.398	0.492	
	LTE Band 7	20M	QPSK	1	0	Top Side	0mm	Ant 3	DSI 17	Reduced	21100	2535	17.82	19.00	1.312	-0.07	0.956	1.254	
88	LTE Band 7	20M	QPSK	50	0	Top Side	0mm	Ant 3	DSI 17	Reduced	21100	2535	17.78	19.00	1.324	0.05	1.020	<b>1.351</b>	
	LTE Band 7C	20M	QPSK	50	0	Top Side	0mm	Ant 3	DSI 17	Reduced	21100+20902	2535+2515.2	17.76	19.00	1.330	0.03	0.982	1.307	
	LTE Band 7_E-SIM	20M	QPSK	50	0	Top Side	0mm	Ant 3	DSI 17	Reduced	21100	2535	17.78	19.00	1.324	0.02	0.958	1.269	
	LTE Band 7_Inter-CA	20M	QPSK	1	0	Back	0mm	Ant 3	DSI 17	Reduced	21100	2535	16.22	17.00	1.197	0.13	0.511	0.612	
	LTE Band 7_Inter-CA	20M	QPSK	50	0	Back	0mm	Ant 3	DSI 17	Reduced	21100	2535	16.15	17.00	1.216	0.03	0.532	0.647	
	LTE Band 7_Inter-CA	20M	QPSK	1	0	Top Side	0mm	Ant 3	DSI 17	Reduced	21100	2535	16.22	17.00	1.197	-0.16	0.811	0.971	
	LTE Band 7_Inter-CA	20M	QPSK	50	0	Top Side	0mm	Ant 3	DSI 17	Reduced	21100	2535	16.15	17.00	1.216	0.13	0.852	1.036	
ENDC																			
	LTE Band 7	20M	QPSK	1	0	Back	0mm	Ant 3	DSI 17	Reduced	21100	2535	16.22	17.00	1.197	0.13	0.511	0.612	
	LTE Band 7	20M	QPSK	50	0	Back	0mm	Ant 3	DSI 17	Reduced	21100	2535	16.15	17.00	1.216	0.03	0.532	0.647	
	LTE Band 7	20M	QPSK	1	0	Top Side	0mm	Ant 3	DSI 17	Reduced	21100	2535	16.22	17.00	1.197	-0.16	0.811	0.971	
	LTE Band 7	20M	QPSK	50	0	Top Side	0mm	Ant 3	DSI 17	Reduced	21100	2535	16.15	17.00	1.216	0.13	0.852	1.036	
	LTE Band 7	20M	QPSK	1	0	Left Side	0mm	Ant 5	DSI 17	Reduced	21100	2535	17.07	18.00	1.239	0.18	1.080	1.338	
	LTE Band 7	20M	QPSK	50	0	Left Side	0mm	Ant 5	DSI 17	Reduced	21100	2535	16.98	18.00	1.265	0.02	0.990	1.252	



<TDD LTE SAR>

Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Test Position	Gap (mm)	Antenna	Power State	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 10g SAR (W/kg)	Reported 10g SAR (W/kg)
	LTE Band 38	20M	QPSK	1	99	Top Side	0mm	Ant 3	DSI 17	Reduced	38000	2595	19.19	20.00	1.205	62.9	1.006	-0.19	0.785	0.952
	LTE Band 38	20M	QPSK	50	24	Top Side	0mm	Ant 3	DSI 17	Reduced	38000	2595	19.18	20.00	1.208	62.9	1.006	0.03	0.830	1.009
89	LTE Band 38C	20M	QPSK	50	24	Top Side	0mm	Ant 3	DSI 17	Reduced	37901+38099	2585.1+2604.9	19.08	20.00	1.236	62.9	1.006	0.11	0.950	1.181
90	LTE Band 41	20M	QPSK	1	99	Top Side	0mm	Ant 3	DSI 17	Reduced	40620	2593	18.66	19.50	1.213	62.9	1.006	0.03	0.758	0.925
	LTE Band 41C	20M	QPSK	1	99	Top Side	0mm	Ant 3	DSI 17	Reduced	40620+40422	2593+2573.2	18.36	19.50	1.300	62.9	1.006	0.06	0.706	0.923
	LTE Band 41	20M	QPSK	50	24	Top Side	0mm	Ant 3	DSI 17	Reduced	40620	2593	18.59	19.50	1.233	62.9	1.006	0.08	0.711	0.882
	LTE Band 41-PC2	20M	QPSK	1	99	Top Side	0mm	Ant 3	DSI 17	Reduced	40620	2593	20.93	21.50	1.140	42.9	1.009	-0.08	0.794	0.914
	LTE Band 41-PC2	20M	QPSK	50	24	Top Side	0mm	Ant 3	DSI 17	Reduced	40620	2593	20.89	21.50	1.151	42.9	1.009	-0.14	0.746	0.866

<5G NR SAR>

Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Mode	Test Position	Gap (mm)	Antenna	Power State	Power Reduction	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)	
	FR1 n66	40M	QPSK	1	1	DFT-15	Front	0mm	Ant 4	DSI 17	Reduced	349000	1745	21.22	22.20	1.253	-0.08	1.290	1.617	
	FR1 n66	40M	QPSK	1	1	DFT-15	Back	0mm	Ant 4	DSI 17	Reduced	349000	1745	21.22	22.20	1.253	0.19	1.110	1.391	
	FR1 n66	40M	QPSK	1	1	DFT-15	Bottom Side	0mm	Ant 4	DSI 17	Reduced	349000	1745	21.22	22.20	1.253	0.19	0.775	0.971	
91	FR1 n66	40M	QPSK	108	54	DFT-15	Front	0mm	Ant 4	DSI 17	Reduced	349000	1745	21.09	22.20	1.291	0.03	1.320	1.704	
	FR1 n66	40M	QPSK	108	54	DFT-15	Back	0mm	Ant 4	DSI 17	Reduced	349000	1745	21.09	22.20	1.291	0.1	1.060	1.369	
	FR1 n66	40M	QPSK	108	54	DFT-15	Bottom Side	0mm	Ant 4	DSI 17	Reduced	349000	1745	21.09	22.20	1.291	0.14	0.798	1.030	
	FR1 n2	20M	QPSK	1	1	DFT-15	Top Side	0mm	Ant 3	DSI 17	Reduced	376000	1880	20.05	21.20	1.303	-0.06	0.547	0.713	
	FR1 n2	20M	QPSK	50	28	DFT-15	Top Side	0mm	Ant 3	DSI 17	Reduced	376000	1880	19.98	21.20	1.324	0.04	0.659	0.873	
	FR1 n2	20M	QPSK	1	1	DFT-15	Bottom Side	0mm	Ant 4	DSI 17	Reduced	376000	1880	20.84	22.20	1.368	-0.03	0.831	1.137	
92	FR1 n2	20M	QPSK	50	28	DFT-15	Bottom Side	0mm	Ant 4	DSI 17	Reduced	376000	1880	20.81	22.20	1.377	-0.04	1.000	1.377	
	FR1 n7	50M	QPSK	1	1	DFT-15	Back	0mm	Ant 3	DSI 17	Reduced	507000	2535	17.62	18.20	1.143	-0.01	0.688	0.786	
	FR1 n7	50M	QPSK	1	1	DFT-15	Top Side	0mm	Ant 3	DSI 17	Reduced	507000	2535	17.62	18.20	1.143	0.07	0.812	0.928	
	FR1 n7	50M	QPSK	135	68	DFT-15	Back	0mm	Ant 3	DSI 17	Reduced	507000	2535	17.59	18.20	1.151	0.01	0.712	0.819	
93	FR1 n7	50M	QPSK	135	68	DFT-15	Top Side	0mm	Ant 3	DSI 17	Reduced	507000	2535	17.59	18.20	1.151	-0.01	0.866	0.997	
94	FR1 n38	30M	QPSK	1	1	DFT-30	Top Side	0mm	Ant 3	DSI 17	Reduced	519000	2595	15.99	17.70	1.483	0.03	0.709	1.051	
	FR1 n38	30M	QPSK	36	18	DFT-30	Top Side	0mm	Ant 3	DSI 17	Reduced	519000	2595	15.94	17.70	1.500	0.03	0.699	1.048	
	FR1 n41	100M	QPSK	1	1	DFT-30	Top Side	0mm	Ant 3	DSI 17	Reduced	518598	2592.99	16.47	17.70	1.327	0.02	0.812	1.078	
95	FR1 n41	100M	QPSK	135	69	DFT-30	Top Side	0mm	Ant 3	DSI 17	Reduced	518598	2592.99	16.42	17.70	1.343	0.09	0.860	1.155	
ENDC																				
	FR1 n41	100M	QPSK	1	1	DFT-30	Left Side	0mm	Ant 5	DSI 17	Reduced	518598	2592.99	15.42	16.70	1.343	0.08	0.796	1.069	
	FR1 n41	100M	QPSK	1	1	DFT-30	Top Side	0mm	Ant 5	DSI 17	Reduced	518598	2592.99	15.42	16.70	1.343	0.02	0.158	0.212	
	FR1 n41	100M	QPSK	135	69	DFT-30	Left Side	0mm	Ant 5	DSI 17	Reduced	518598	2592.99	15.40	16.70	1.349	0.09	0.853	1.151	
	FR1 n41	100M	QPSK	135	69	DFT-30	Top Side	0mm	Ant 5	DSI 17	Reduced	518598	2592.99	15.40	16.70	1.349	0.04	0.176	0.237	

**<WLAN SAR>**

Plot No.	Band	Mode	Test Position	Gap (mm)	Antenna	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 10g SAR (W/kg)	Reported 10g SAR (W/kg)
	WLAN5.3GHz	802.11a 6Mbps	Front	0mm	Ant 8	Full	60	5300	17.03	17.50	1.114	99.04	1.010	0.17	0.773	0.870
	WLAN5.3GHz	802.11a 6Mbps	Back	0mm	Ant 8	Full	60	5300	17.03	17.50	1.114	99.04	1.010	-0.06	0.187	0.210
	WLAN5.3GHz	802.11a 6Mbps	Left Side	0mm	Ant 8	Full	60	5300	17.03	17.50	1.114	99.04	1.010	-0.08	0.018	0.020
	WLAN5.3GHz	802.11a 6Mbps	Right Side	0mm	Ant 8	Full	60	5300	17.03	17.50	1.114	99.04	1.010	-0.16	0.128	0.144
	WLAN5.3GHz	802.11a 6Mbps	Top Side	0mm	Ant 8	Full	60	5300	17.03	17.50	1.114	99.04	1.010	-0.19	0.611	0.687
	WLAN5.3GHz	802.11a 6Mbps	Front	0mm	Ant 10	Full	60	5300	16.32	17.50	1.312	99.04	1.010	-0.18	0.107	0.142
96	WLAN5.3GHz	802.11a 6Mbps	Back	0mm	Ant 10	Full	60	5300	16.32	17.50	1.312	99.04	1.010	0.07	1.070	<b>1.418</b>
	WLAN5.3GHz	802.11a 6Mbps	Left Side	0mm	Ant 10	Full	60	5300	16.32	17.50	1.312	99.04	1.010	0.06	0.275	0.364
	WLAN5.3GHz	802.11a 6Mbps	Right Side	0mm	Ant 10	Full	60	5300	16.32	17.50	1.312	99.04	1.010	0.04	0.045	0.060
	WLAN5.3GHz	802.11a 6Mbps	Top Side	0mm	Ant 10	Full	60	5300	16.32	17.50	1.312	99.04	1.010	0.01	0.028	0.037
	WLAN5.5GHz	802.11a 6Mbps	Front	0mm	Ant 8	Full	140	5700	16.74	17.50	1.191	99.04	1.010	-0.01	0.454	0.546
	WLAN5.5GHz	802.11a 6Mbps	Back	0mm	Ant 8	Full	140	5700	16.74	17.50	1.191	99.04	1.010	0.02	0.320	0.385
	WLAN5.5GHz	802.11a 6Mbps	Left Side	0mm	Ant 8	Full	140	5700	16.74	17.50	1.191	99.04	1.010	0.08	0.035	0.042
	WLAN5.5GHz	802.11a 6Mbps	Right Side	0mm	Ant 8	Full	140	5700	16.74	17.50	1.191	99.04	1.010	0.08	0.158	0.190
	WLAN5.5GHz	802.11a 6Mbps	Top Side	0mm	Ant 8	Full	140	5700	16.74	17.50	1.191	99.04	1.010	0.07	0.639	0.768
	WLAN5.5GHz	802.11a 6Mbps	Front	0mm	Ant 10	Full	100	5500	16.43	17.50	1.279	99.04	1.010	-0.03	0.115	0.149
97	WLAN5.5GHz	802.11a 6Mbps	Back	0mm	Ant 10	Full	100	5500	16.43	17.50	1.279	99.04	1.010	-0.07	1.160	<b>1.498</b>
	WLAN5.5GHz	802.11a 6Mbps	Left Side	0mm	Ant 10	Full	100	5500	16.43	17.50	1.279	99.04	1.010	-0.04	0.266	0.344
	WLAN5.5GHz	802.11a 6Mbps	Right Side	0mm	Ant 10	Full	100	5500	16.43	17.50	1.279	99.04	1.010	0.16	0.037	0.048
	WLAN5.5GHz	802.11a 6Mbps	Top Side	0mm	Ant 10	Full	100	5500	16.43	17.50	1.279	99.04	1.010	0.13	0.027	0.035

**16.5 Repeated SAR Measurement**

**<1g>**

Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Mode	Test Position	Gap (mm)	Antenna	Power State	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)	Ratio	Reported 1g SAR (W/kg)
1st	GSM1900	-	-	-	-	GPRS(4 Tx slots)	Right Tilted	0mm	Ant 3	DSI 18	Reduced	512	1850.2	20.36	21.00	1.159	-	-	-0.02	0.957	1	1.109
2nd	GSM1900	-	-	-	-	GPRS(4 Tx slots)	Right Tilted	0mm	Ant 3	DSI 18	Reduced	512	1850.2	20.36	21.00	1.159	-	-	0.06	0.934	1.025	1.082
1st	LTE Band 41-PC2	20M	QPSK	1	99	-	Right Tilted	0mm	Ant 3	DSI 18	Reduced	40620	2593	20.93	21.50	1.140	42.9	1.009	0.01	0.952	1	1.095
2nd	LTE Band 41-PC2	20M	QPSK	1	99	-	Right Tilted	0mm	Ant 3	DSI 18	Reduced	40620	2593	20.93	21.50	1.140	42.9	1.009	0.09	0.855	1.113	0.984
1st	WLAN5.3GHz	-	-	-	-	802.11ac-VHT80 MCS0	Left Cheek	0mm	Ant 8	-	Standalone	58	5290	14.55	15.00	1.109	100	1.000	0.11	0.915	1	1.015
2nd	WLAN5.3GHz	-	-	-	-	802.11ac-VHT80 MCS0	Left Cheek	0mm	Ant 8	-	Standalone	58	5290	14.55	15.00	1.109	100	1.000	0.02	0.889	1.029	0.986
1st	WLAN5.5GHz	-	-	-	-	802.11ac-VHT80 MCS0	Left Cheek	0mm	Ant 8	-	Standalone	106	5530	14.35	15.00	1.161	100	1.000	-0.18	1.010	1	1.173
2nd	WLAN5.5GHz	-	-	-	-	802.11ac-VHT80 MCS0	Left Cheek	0mm	Ant 8	-	Standalone	106	5530	14.35	15.00	1.161	100	1.000	-0.08	0.893	1.131	1.037
1st	WLAN5.8GHz	-	-	-	-	802.11ac-VHT80 MCS0	Left Cheek	0mm	Ant 8	-	Standalone	155	5775	15.31	15.50	1.045	100	1.000	-0.03	0.993	1	1.037
2nd	WLAN5.8GHz	-	-	-	-	802.11ac-VHT80 MCS0	Left Cheek	0mm	Ant 8	-	Standalone	155	5775	15.31	15.50	1.045	100	1.000	0.06	0.945	1.051	0.987
1st	LTE Band 66	20M	QPSK	50	0	-	Bottom Side	10mm	Ant 4	DSI 17	Reduced	132572	1770	21.97	23.00	1.268	-	-	0.04	0.926	1	1.174
2nd	LTE Band 66	20M	QPSK	50	0	-	Bottom Side	10mm	Ant 4	DSI 17	Reduced	132572	1770	21.97	23.00	1.268	-	-	0.03	0.920	1.007	1.166

**General Note:**

- Per KDB 865664 D01v01r04, for each frequency band, repeated SAR measurement is required only when the measured SAR is  $\geq 0.8W/kg$ .
- Per KDB 865664 D01v01r04, if the ratio among the repeated measurement is  $\leq 1.2$  and the measured SAR  $< 1.45W/kg$ , only one repeated measurement is required.
- The ratio is the difference in percentage between original and repeated *measured SAR*.
- All measurement SAR result is scaled-up to account for tune-up tolerance and is compliant.

**17. Simultaneous Transmission Analysis**

NO.	Simultaneous Transmission Configurations	Portable Handset			
		Head	Body-worn	Hotspot	Product Specific
1.	WLAN 2.4GHz(chain 1) + BT(chain 0)	Yes	Yes	Yes	Yes
2.	WLAN 5GHz(chain 0) + BT(chain 0)	Yes	Yes	Yes	Yes
3.	WLAN 5GHz(chain 1) + BT(chain 0)	Yes	Yes	Yes	Yes
4.	WLAN 5GHz MIMO + BT(chain 0)	Yes	Yes	Yes	Yes
5.	WLAN 2.4GHz (chain 0) + WLAN 5GHz (chain 0)	Yes	Yes	Yes	Yes
6.	WLAN 2.4GHz (chain 0) + WLAN 5GHz (chain 1)	Yes	Yes	Yes	Yes
7.	WLAN 2.4GHz (chain 0) + WLAN 5GHz MIMO	Yes	Yes	Yes	Yes
8.	WLAN 2.4GHz (chain 1) + WLAN 5GHz (chain 0)	Yes	Yes	Yes	Yes
9.	WLAN 2.4GHz (chain 1) + WLAN 5GHz (chain 1)	Yes	Yes	Yes	Yes
10.	WLAN 2.4GHz (chain 1) + WLAN 5GHz MIMO	Yes	Yes	Yes	Yes
11.	WLAN 2.4GHz MIMO + WLAN 5GHz (chain 0)	Yes	Yes	Yes	Yes
12.	WLAN 2.4GHz MIMO + WLAN 5GHz (chain 1)	Yes	Yes	Yes	Yes
13.	WLAN 2.4GHz MIMO + WLAN 5GHz MIMO	Yes	Yes	Yes	Yes
14.	WLAN 2.4GHz (chain 1) + WLAN 5GHz (chain 0) + BT(chain 0)	Yes	Yes	Yes	Yes
15.	WLAN 2.4GHz (chain 1) + WLAN 5GHz (chain 1) + BT(chain 0)	Yes	Yes	Yes	Yes
16.	WLAN 2.4GHz (chain 1) + WLAN 5GHz MIMO + BT(chain 0)	Yes	Yes	Yes	Yes
17.	WWAN + WLAN 2.4GHz(chain 0)	Yes	Yes	Yes	Yes
18.	WWAN + WLAN 2.4GHz(chain 1)	Yes	Yes	Yes	Yes
19.	WWAN + WLAN 2.4GHz MIMO	Yes	Yes	Yes	Yes
20.	WWAN + WLAN 5GHz(chain 0)	Yes	Yes	Yes	Yes
21.	WWAN + WLAN 5GHz(chain 1)	Yes	Yes	Yes	Yes
22.	WWAN + WLAN 5GHz MIMO	Yes	Yes	Yes	Yes
23.	WWAN + BT	Yes	Yes	Yes	Yes
24.	WWAN + WLAN 2.4GHz(chain 1) + BT(chain 0)	Yes	Yes	Yes	Yes
25.	WWAN + WLAN 5GHz(chain 0) + BT(chain 0)	Yes	Yes	Yes	Yes
26.	WWAN + WLAN 5GHz(chain 1) + BT(chain 0)	Yes	Yes	Yes	Yes
27.	WWAN + WLAN 5GHz MIMO + BT(chain 0)	Yes	Yes	Yes	Yes
28.	WWAN + WLAN 2.4GHz (chain 0) + WLAN 5GHz (chain 0)	Yes	Yes	Yes	Yes
29.	WWAN + WLAN 2.4GHz (chain 0) + WLAN 5GHz (chain 1)	Yes	Yes	Yes	Yes
30.	WWAN + WLAN 2.4GHz (chain 0) + WLAN 5GHz MIMO	Yes	Yes	Yes	Yes
31.	WWAN + WLAN 2.4GHz (chain 1) + WLAN 5GHz (chain 0)	Yes	Yes	Yes	Yes
32.	WWAN + WLAN 2.4GHz (chain 1) + WLAN 5GHz (chain 1)	Yes	Yes	Yes	Yes
33.	WWAN + WLAN 2.4GHz (chain 1) + WLAN 5GHz MIMO	Yes	Yes	Yes	Yes
34.	WWAN + WLAN 2.4GHz MIMO + WLAN 5GHz (chain 0)	Yes	Yes	Yes	Yes
35.	WWAN + WLAN 2.4GHz MIMO + WLAN 5GHz (chain 1)	Yes	Yes	Yes	Yes
36.	WWAN + WLAN 2.4GHz MIMO + WLAN 5GHz MIMO	Yes	Yes	Yes	Yes
37.	WWAN + WLAN 2.4GHz (chain 1) + WLAN 5GHz (chain 0) + BT(chain 0)	Yes	Yes	Yes	Yes
38.	WWAN + WLAN 2.4GHz (chain 1) + WLAN 5GHz (chain 1) + BT(chain 0)	Yes	Yes	Yes	Yes
39.	WWAN + WLAN 2.4GHz (chain 1) + WLAN 5GHz MIMO + BT(chain 0)	Yes	Yes	Yes	Yes

**General Note:**

1. This device supports VoIP in GPRS, EGPRS, WCDMA, CDMA and LTE (e.g. for 3rd-party VoIP), LTE supports VoLTE operation.
2. EUT will choose each GSM, WCDMA, CDMA, LTE and 5GNR according to the network signal condition; therefore, they will not operate simultaneously at any moment.
3. 5GNR supports SA and NSA mode.
4. The 2.4GHz/5GHz WLAN can transmit in SISO and MIMO antenna mode.
5. This device 2.4GHz WLAN support hotspot operation and Bluetooth support tethering applications.
6. This device 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).
7. All licensed modes sharing the same antenna part cannot transmit simultaneously.
8. WLAN 2.4GHz Chain0 and Bluetooth share the same antenna, and cannot transmit simultaneously.
9. According to the EUT characteristic, WLAN 2.4GHz Chain1 and Bluetooth can transmit simultaneously.





10. According to the EUT characteristic, WLAN 5GHz and Bluetooth can transmit simultaneously.
11. According to the EUT characteristic, WLAN 5GHz and 2.4GHz WLAN can transmit simultaneously.
12. For EN-DC combination summed 5G NSA standalone SAR and LTE standalone SAR conservatively.
13. For simultaneously analysis, 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.
14. Chose the worst zoom scan SAR of WLAN correspondingly for co-located with WWAN analysis.
15. The reported SAR summation is calculated based on the same configuration and test position.
16. 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  $SPLSR \leq 0.04$  for 1g SAR and  $SPLSR \leq 0.10$  for 10g SAR , 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.



17.1 Head Exposure Conditions

WWAN Band	Exposure Position	1	3	4	6	7	9	1+3+4+6+7	1+4+6+7+9
		WWAN	2.4GHz WLAN Ant 7	2.4GHz WLAN Ant 6	5GHz WLAN Ant 8	5GHz WLAN Ant 10	Bluetooth Ant 7	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)	1g SAR (W/kg)	1g SAR (W/kg)
GSM850Ant 0	Right Cheek	0.295	0.095	0.134	0.090	0.232	0.098	0.85	0.85
	Right Tilted	0.027	0.089		0.077	0.159	0.074	0.35	0.34
	Left Cheek	0.786	0.167	0.111	0.224	0.120	0.153	1.41	1.39
	Left Tilted	0.074	0.212		0.151	0.100	0.110	0.54	0.44
GSM1900Ant 3	Right Cheek	0.968	0.095	0.134	0.090	0.232	0.098	1.52	1.52
	Right Tilted	1.109	0.089		0.077	0.159	0.074	1.43	1.42
	Left Cheek	0.796	0.167	0.111	0.224	0.120	0.153	1.42	1.40
	Left Tilted	0.778	0.212		0.151	0.100	0.110	1.24	1.14
WCDMA VAnt 0	Right Cheek	0.249	0.095	0.134	0.090	0.232	0.098	0.80	0.80
	Right Tilted		0.089		0.077	0.159	0.074	0.33	0.31
	Left Cheek	0.576	0.167	0.111	0.224	0.120	0.153	1.20	1.18
	Left Tilted	0.057	0.212		0.151	0.100	0.110	0.52	0.42
WCDMA IVAnt 3	Right Cheek	0.676	0.095	0.134	0.090	0.232	0.098	1.23	1.23
	Right Tilted	0.728	0.089		0.077	0.159	0.074	1.05	1.04
	Left Cheek	0.551	0.167	0.111	0.224	0.120	0.153	1.17	1.16
	Left Tilted	0.556	0.212		0.151	0.100	0.110	1.02	0.92
WCDMA IIAnt 3	Right Cheek	0.699	0.095	0.134	0.090	0.232	0.098	1.25	1.25
	Right Tilted	0.802	0.089		0.077	0.159	0.074	1.13	1.11
	Left Cheek	0.551	0.167	0.111	0.224	0.120	0.153	1.17	1.16
	Left Tilted	0.563	0.212		0.151	0.100	0.110	1.03	0.92
LTE Band 12Ant 0	Right Cheek	0.328	0.095	0.134	0.090	0.232	0.098	0.88	0.88
	Right Tilted	0.057	0.089		0.077	0.159	0.074	0.38	0.37
	Left Cheek	0.664	0.167	0.111	0.224	0.120	0.153	1.29	1.27
	Left Tilted	0.088	0.212		0.151	0.100	0.110	0.55	0.45
LTE Band 13Ant 0	Right Cheek	0.224	0.095	0.134	0.090	0.232	0.098	0.78	0.78
	Right Tilted		0.089		0.077	0.159	0.074	0.33	0.31
	Left Cheek	0.508	0.167	0.111	0.224	0.120	0.153	1.13	1.12
	Left Tilted	0.058	0.212		0.151	0.100	0.110	0.52	0.42
LTE Band 26Ant 0	Right Cheek	0.360	0.095	0.134	0.090	0.232	0.098	0.91	0.91
	Right Tilted	0.064	0.089		0.077	0.159	0.074	0.39	0.37
	Left Cheek	0.767	0.167	0.111	0.224	0.120	0.153	1.39	1.38
	Left Tilted	0.081	0.212		0.151	0.100	0.110	0.54	0.44
LTE Band 66Ant 3	Right Cheek	1.014	0.095	0.134	0.090	0.232	0.098	1.57	1.57
	Right Tilted	1.062	0.089		0.077	0.159	0.074	1.39	1.37
	Left Cheek	0.788	0.167	0.111	0.224	0.120	0.153	1.41	1.40
	Left Tilted	0.798	0.212		0.151	0.100	0.110	1.26	1.16
LTE Band 25Ant 3	Right Cheek	1.040	0.095	0.134	0.090	0.232	0.098	1.59	1.59
	Right Tilted	1.132	0.089		0.077	0.159	0.074	1.46	1.44



	Left Cheek	0.795	0.167	0.111	0.224	0.120	0.153	1.42	1.40
	Left Tilted	0.954	0.212		0.151	0.100	0.110	1.42	1.32
LTE Band 7Ant 3	Right Cheek	0.771	0.095	0.134	0.090	0.232	0.098	1.32	1.33
	Right Tilted	1.136	0.089		0.077	0.159	0.074	1.46	1.45
	Left Cheek	0.608	0.167	0.111	0.224	0.120	0.153	1.23	1.22
	Left Tilted	0.818	0.212		0.151	0.100	0.110	1.28	1.18
LTE Band 38Ant 3	Right Cheek	0.787	0.095	0.134	0.090	0.232	0.098	1.34	1.34
	Right Tilted	1.127	0.089		0.077	0.159	0.074	1.45	1.44
	Left Cheek	0.604	0.167	0.111	0.224	0.120	0.153	1.23	1.21
	Left Tilted	0.872	0.212		0.151	0.100	0.110	1.34	1.23
LTE Band 41Ant 3	Right Cheek	0.888	0.095	0.134	0.090	0.232	0.098	1.44	1.44
	Right Tilted	1.091	0.089		0.077	0.159	0.074	1.42	1.40
	Left Cheek	0.583	0.167	0.111	0.224	0.120	0.153	1.21	1.19
	Left Tilted	0.988	0.212		0.151	0.100	0.110	1.45	1.35
LTE Band 41-PC2 Ant 3	Right Cheek	0.916	0.095	0.134	0.090	0.232	0.098	1.47	1.47
	Right Tilted	1.095	0.089		0.077	0.159	0.074	1.42	1.41
	Left Cheek	0.595	0.167	0.111	0.224	0.120	0.153	1.22	1.20
	Left Tilted	1.031	0.212		0.151	0.100	0.110	1.49	1.39
FR1 n12Ant 0	Right Cheek	0.378	0.095	0.134	0.090	0.232	0.098	0.93	0.93
	Right Tilted	0.070	0.089		0.077	0.159	0.074	0.40	0.38
	Left Cheek	0.571	0.167	0.111	0.224	0.120	0.153	1.19	1.18
	Left Tilted	0.076	0.212		0.151	0.100	0.110	0.54	0.44
FR1 n13Ant 0	Right Cheek	0.189	0.095	0.134	0.090	0.232	0.098	0.74	0.74
	Right Tilted		0.089		0.077	0.159	0.074	0.33	0.31
	Left Cheek	0.381	0.167	0.111	0.224	0.120	0.153	1.00	0.99
	Left Tilted		0.212		0.151	0.100	0.110	0.46	0.36
FR1 n5Ant 0	Right Cheek	0.324	0.095	0.134	0.090	0.232	0.098	0.88	0.88
	Right Tilted	0.057	0.089		0.077	0.159	0.074	0.38	0.37
	Left Cheek	0.671	0.167	0.111	0.224	0.120	0.153	1.29	1.28
	Left Tilted	0.073	0.212		0.151	0.100	0.110	0.54	0.43
FR1 n26Ant 0	Right Cheek	0.073	0.095	0.134	0.090	0.232	0.098	0.62	0.63
	Right Tilted		0.089		0.077	0.159	0.074	0.33	0.31
	Left Cheek	0.162	0.167	0.111	0.224	0.120	0.153	0.78	0.77
	Left Tilted		0.212		0.151	0.100	0.110	0.46	0.36
FR1 n66Ant 3	Right Cheek	0.326	0.095	0.134	0.090	0.232	0.098	0.88	0.88
	Right Tilted	0.504	0.089		0.077	0.159	0.074	0.83	0.81
	Left Cheek	0.232	0.167	0.111	0.224	0.120	0.153	0.85	0.84
	Left Tilted	0.306	0.212		0.151	0.100	0.110	0.77	0.67
FR1 n2Ant 3	Right Cheek	0.631	0.095	0.134	0.090	0.232	0.098	1.18	1.19
	Right Tilted	0.646	0.089		0.077	0.159	0.074	0.97	0.96
	Left Cheek	0.478	0.167	0.111	0.224	0.120	0.153	1.10	1.09
	Left Tilted	0.511	0.212		0.151	0.100	0.110	0.97	0.87
FR1 n25Ant 3	Right Cheek	0.192	0.095	0.134	0.090	0.232	0.098	0.74	0.75



	Right Tilted	0.254	0.089		0.077	0.159	0.074	0.58	0.56
	Left Cheek	0.120	0.167	0.111	0.224	0.120	0.153	0.74	0.73
	Left Tilted	0.147	0.212		0.151	0.100	0.110	0.61	0.51
FR1 n7Ant 3	Right Cheek	0.583	0.095	0.134	0.090	0.232	0.098	1.13	1.14
	Right Tilted	0.875	0.089		0.077	0.159	0.074	1.20	1.19
	Left Cheek	0.473	0.167	0.111	0.224	0.120	0.153	1.10	1.08
	Left Tilted	0.633	0.212		0.151	0.100	0.110	1.10	0.99
FR1 n38Ant 3	Right Cheek	0.387	0.095	0.134	0.090	0.232	0.098	0.94	0.94
	Right Tilted	0.639	0.089		0.077	0.159	0.074	0.96	0.95
	Left Cheek	0.330	0.167	0.111	0.224	0.120	0.153	0.95	0.94
	Left Tilted	0.433	0.212		0.151	0.100	0.110	0.90	0.79
FR1 n41Ant 3	Right Cheek	0.532	0.095	0.134	0.090	0.232	0.098	1.08	1.09
	Right Tilted	0.854	0.089		0.077	0.159	0.074	1.18	1.16
	Left Cheek	0.418	0.167	0.111	0.224	0.120	0.153	1.04	1.03
	Left Tilted	0.596	0.212		0.151	0.100	0.110	1.06	0.96

WWAN Band	Exposure Position	1	3	4	6	7	9	1+3+4+6+7	1+4+6+7+9
		WWAN	2.4GHz WLAN Ant 7	2.4GHz WLAN Ant 6	5GHz WLAN Ant 8	5GHz WLAN Ant 10	Bluetooth Ant 7	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)	1g SAR (W/kg)	1g SAR (W/kg)
GSM850Ant 1	Right Cheek	0.262	0.095	0.134	0.090	0.232	0.098	0.81	0.82
	Right Tilted	0.132	0.089		0.077	0.159	0.074	0.46	0.44
	Left Cheek	0.165	0.167	0.111	0.224	0.120	0.153	0.79	0.77
	Left Tilted	0.121	0.212		0.151	0.100	0.110	0.58	0.48
GSM1900Ant 4	Right Cheek	0.033	0.095	0.134	0.090	0.232	0.098	0.58	0.59
	Right Tilted	0.013	0.089		0.077	0.159	0.074	0.34	0.32
	Left Cheek	0.041	0.167	0.111	0.224	0.120	0.153	0.66	0.65
	Left Tilted	0.013	0.212		0.151	0.100	0.110	0.48	0.37
WCDMA VAnt 1	Right Cheek	0.209	0.095	0.134	0.090	0.232	0.098	0.76	0.76
	Right Tilted	0.103	0.089		0.077	0.159	0.074	0.43	0.41
	Left Cheek	0.122	0.167	0.111	0.224	0.120	0.153	0.74	0.73
	Left Tilted	0.094	0.212		0.151	0.100	0.110	0.56	0.46
WCDMA IVAnt 4	Right Cheek	0.109	0.095	0.134	0.090	0.232	0.098	0.66	0.66
	Right Tilted		0.089		0.077	0.159	0.074	0.33	0.31
	Left Cheek	0.066	0.167	0.111	0.224	0.120	0.153	0.69	0.67
	Left Tilted	0.064	0.212		0.151	0.100	0.110	0.53	0.43
WCDMA IIAnt 4	Right Cheek	0.087	0.095	0.134	0.090	0.232	0.098	0.64	0.64
	Right Tilted		0.089		0.077	0.159	0.074	0.33	0.31
	Left Cheek	0.087	0.167	0.111	0.224	0.120	0.153	0.71	0.70
	Left Tilted	0.048	0.212		0.151	0.100	0.110	0.51	0.41
LTE Band 12Ant 1	Right Cheek	0.137	0.095	0.134	0.090	0.232	0.098	0.69	0.69
	Right Tilted	0.075	0.089		0.077	0.159	0.074	0.40	0.39
	Left Cheek	0.094	0.167	0.111	0.224	0.120	0.153	0.72	0.70



	Left Tilted	0.068	0.212		0.151	0.100	0.110	0.53	0.43
LTE Band 13Ant 1	Right Cheek	0.113	0.095	0.134	0.090	0.232	0.098	0.66	0.67
	Right Tilted	0.061	0.089		0.077	0.159	0.074	0.39	0.37
	Left Cheek	0.074	0.167	0.111	0.224	0.120	0.153	0.70	0.68
	Left Tilted	0.060	0.212		0.151	0.100	0.110	0.52	0.42
LTE Band 26Ant 1	Right Cheek	0.199	0.095	0.134	0.090	0.232	0.098	0.75	0.75
	Right Tilted	0.107	0.089		0.077	0.159	0.074	0.43	0.42
	Left Cheek	0.127	0.167	0.111	0.224	0.120	0.153	0.75	0.74
	Left Tilted	0.090	0.212		0.151	0.100	0.110	0.55	0.45
LTE Band 66Ant 4	Right Cheek	0.104	0.095	0.134	0.090	0.232	0.098	0.66	0.66
	Right Tilted	0.063	0.089		0.077	0.159	0.074	0.39	0.37
	Left Cheek	0.060	0.167	0.111	0.224	0.120	0.153	0.68	0.67
	Left Tilted	0.065	0.212		0.151	0.100	0.110	0.53	0.43
LTE Band 25Ant 4	Right Cheek	0.055	0.095	0.134	0.090	0.232	0.098	0.61	0.61
	Right Tilted		0.089		0.077	0.159	0.074	0.33	0.31
	Left Cheek	0.067	0.167	0.111	0.224	0.120	0.153	0.69	0.68
	Left Tilted		0.212		0.151	0.100	0.110	0.46	0.36
LTE Band 7Ant 4	Right Cheek	0.118	0.095	0.134	0.090	0.232	0.098	0.67	0.67
	Right Tilted	0.098	0.089		0.077	0.159	0.074	0.42	0.41
	Left Cheek	0.084	0.167	0.111	0.224	0.120	0.153	0.71	0.69
	Left Tilted	0.103	0.212		0.151	0.100	0.110	0.57	0.46
LTE Band 38Ant 4	Right Cheek	0.090	0.095	0.134	0.090	0.232	0.098	0.64	0.64
	Right Tilted	0.050	0.089		0.077	0.159	0.074	0.38	0.36
	Left Cheek	0.064	0.167	0.111	0.224	0.120	0.153	0.69	0.67
	Left Tilted	0.077	0.212		0.151	0.100	0.110	0.54	0.44
LTE Band 41Ant 4	Right Cheek	0.080	0.095	0.134	0.090	0.232	0.098	0.63	0.63
	Right Tilted	0.042	0.089		0.077	0.159	0.074	0.37	0.35
	Left Cheek	0.050	0.167	0.111	0.224	0.120	0.153	0.67	0.66
	Left Tilted	0.057	0.212		0.151	0.100	0.110	0.52	0.42
LTE Band 41-PC2 Ant 4	Right Cheek	0.077	0.095	0.134	0.090	0.232	0.098	0.63	0.63
	Right Tilted	0.052	0.089		0.077	0.159	0.074	0.38	0.36
	Left Cheek	0.059	0.167	0.111	0.224	0.120	0.153	0.68	0.67
	Left Tilted	0.065	0.212		0.151	0.100	0.110	0.53	0.43
FR1 n12Ant 1	Right Cheek	0.030	0.095	0.134	0.090	0.232	0.098	0.58	0.58
	Right Tilted	0.014	0.089		0.077	0.159	0.074	0.34	0.32
	Left Cheek	0.027	0.167	0.111	0.224	0.120	0.153	0.65	0.64
	Left Tilted	0.015	0.212		0.151	0.100	0.110	0.48	0.38
FR1 n13Ant 1	Right Cheek	0.130	0.095	0.134	0.090	0.232	0.098	0.68	0.68
	Right Tilted	0.071	0.089		0.077	0.159	0.074	0.40	0.38
	Left Cheek	0.081	0.167	0.111	0.224	0.120	0.153	0.70	0.69
	Left Tilted	0.067	0.212		0.151	0.100	0.110	0.53	0.43
FR1 n5Ant 1	Right Cheek	0.171	0.095	0.134	0.090	0.232	0.098	0.72	0.73
	Right Tilted	0.085	0.089		0.077	0.159	0.074	0.41	0.40





	Left Cheek	0.103	0.167	0.111	0.224	0.120	0.153	0.73	0.71
	Left Tilted	0.073	0.212		0.151	0.100	0.110	0.54	0.43
FR1 n26Ant 1	Right Cheek	0.062	0.095	0.134	0.090	0.232	0.098	0.61	0.62
	Right Tilted		0.089		0.077	0.159	0.074	0.33	0.31
	Left Cheek		0.167	0.111	0.224	0.120	0.153	0.62	0.61
	Left Tilted		0.212		0.151	0.100	0.110	0.46	0.36
FR1 n66Ant 4	Right Cheek	0.133	0.095	0.134	0.090	0.232	0.098	0.68	0.69
	Right Tilted	0.065	0.089		0.077	0.159	0.074	0.39	0.38
	Left Cheek	0.066	0.167	0.111	0.224	0.120	0.153	0.69	0.67
	Left Tilted	0.061	0.212		0.151	0.100	0.110	0.52	0.42
FR1 n2Ant 4	Right Cheek	0.075	0.095	0.134	0.090	0.232	0.098	0.63	0.63
	Right Tilted		0.089		0.077	0.159	0.074	0.33	0.31
	Left Cheek	0.076	0.167	0.111	0.224	0.120	0.153	0.70	0.68
	Left Tilted		0.212		0.151	0.100	0.110	0.46	0.36
FR1 n25Ant 4	Right Cheek	0.046	0.095	0.134	0.090	0.232	0.098	0.60	0.60
	Right Tilted	0.023	0.089		0.077	0.159	0.074	0.35	0.33
	Left Cheek	0.031	0.167	0.111	0.224	0.120	0.153	0.65	0.64
	Left Tilted	0.025	0.212		0.151	0.100	0.110	0.49	0.39
FR1 n7Ant 4	Right Cheek	0.152	0.095	0.134	0.090	0.232	0.098	0.70	0.71
	Right Tilted	0.142	0.089		0.077	0.159	0.074	0.47	0.45
	Left Cheek	0.111	0.167	0.111	0.224	0.120	0.153	0.73	0.72
	Left Tilted	0.132	0.212		0.151	0.100	0.110	0.60	0.49
FR1 n38Ant 4	Right Cheek	0.119	0.095	0.134	0.090	0.232	0.098	0.67	0.67
	Right Tilted	0.091	0.089		0.077	0.159	0.074	0.42	0.40
	Left Cheek	0.095	0.167	0.111	0.224	0.120	0.153	0.72	0.70
	Left Tilted	0.111	0.212		0.151	0.100	0.110	0.57	0.47
FR1 n41Ant 4	Right Cheek	0.132	0.095	0.134	0.090	0.232	0.098	0.68	0.69
	Right Tilted	0.092	0.089		0.077	0.159	0.074	0.42	0.40
	Left Cheek	0.099	0.167	0.111	0.224	0.120	0.153	0.72	0.71
	Left Tilted	0.122	0.212		0.151	0.100	0.110	0.59	0.48



<5G NR UL MIMO>

WWAN Band	WWAN Band	Exposure Position	1	2	3	4	6	7	9	1+2+3+4+6+7	1+2+4+6+7+9
			WWAN	WWAN	2.4GHz WLAN Ant 7	2.4GHz WLAN Ant 6	5GHz WLAN Ant 8	5GHz WLAN Ant 10	Bluetooth Ant 7	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)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)
FR1 n41_MIMO Ant 3	FR1 n41_MIMO Ant 4	Right Cheek	0.532	0.035	0.095	0.134	0.090	0.232	0.098	1.12	1.12
		Right Tilted	0.854	0.019	0.089		0.077	0.159	0.074	1.20	1.18
		Left Cheek	0.418	0.023	0.167	0.111	0.224	0.120	0.153	1.06	1.05
		Left Tilted	0.596	0.026	0.212		0.151	0.100	0.110	1.09	0.98
FR1 n41_MIMO Ant 3	FR1 n41_MIMO Ant 5	Right Cheek	0.532	0.469	0.095	0.134	0.090	0.232	0.098	1.55	1.56
		Right Tilted	0.854	0.276	0.089		0.077	0.159	0.074	1.46	1.44
		Left Cheek	0.418	0.119	0.167	0.111	0.224	0.120	0.153	1.16	1.15
		Left Tilted	0.596	0.077	0.212		0.151	0.100	0.110	1.14	1.03
FR1 n41_MIMO Ant 4	FR1 n41_MIMO Ant 5	Right Cheek	0.035	0.469	0.095	0.134	0.090	0.232	0.098	1.06	1.06
		Right Tilted	0.019	0.276	0.089		0.077	0.159	0.074	0.62	0.61
		Left Cheek	0.023	0.119	0.167	0.111	0.224	0.120	0.153	0.76	0.75
		Left Tilted	0.026	0.077	0.212		0.151	0.100	0.110	0.57	0.46

<5G NR EN-DC>

WWAN Band	FR1 Band	Exposure Position	1	2	3	4	6	7	9	1+2+3+4+6+7	1+2+4+6+7+9
			WWAN	FR1	2.4GHz WLAN Ant 7	2.4GHz WLAN Ant 6	5GHz WLAN Ant 8	5GHz WLAN Ant 10	Bluetooth Ant 7	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)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)
LTE Band 7 Ant 3	FR1 n5Ant 0	Right Cheek	0.549	0.087	0.095	0.134	0.090	0.232	0.098	1.19	1.19
		Right Tilted	0.794		0.089		0.077	0.159	0.074	1.12	1.10
		Left Cheek	0.717	0.159	0.167	0.111	0.224	0.120	0.153	1.50	1.48
		Left Tilted	0.564		0.212		0.151	0.100	0.110	1.03	0.93
LTE Band 7 Ant 3	FR1 n5Ant 1	Right Cheek	0.549		0.095	0.134	0.090	0.232	0.098	1.10	1.10
		Right Tilted	0.794		0.089		0.077	0.159	0.074	1.12	1.10
		Left Cheek	0.717		0.167	0.111	0.224	0.120	0.153	1.34	1.33
		Left Tilted	0.564		0.212		0.151	0.100	0.110	1.03	0.93
LTE Band 7 Ant 6	FR1 n5Ant 0	Right Cheek	0.448	0.087	0.095	0.134	0.090	0.232	0.098	1.09	1.09
		Right Tilted	0.075		0.089		0.077	0.159	0.074	0.40	0.39
		Left Cheek	0.338	0.159	0.167	0.111	0.224	0.120	0.153	1.12	1.11
		Left Tilted	0.115		0.212		0.151	0.100	0.110	0.58	0.48
LTE Band 7 Ant 6	FR1 n5Ant 1	Right Cheek	0.448		0.095	0.134	0.090	0.232	0.098	1.00	1.00
		Right Tilted	0.075		0.089		0.077	0.159	0.074	0.40	0.39
		Left Cheek	0.338		0.167	0.111	0.224	0.120	0.153	0.96	0.95
		Left Tilted	0.115		0.212		0.151	0.100	0.110	0.58	0.48

WWAN Band	FR1 Band	Exposure Position	1	2	3	4	6	7	9	1+2+3+4+6+7	1+2+4+6+7+9
			WWAN	FR1	2.4GHz WLAN Ant 7	2.4GHz WLAN Ant 6	5GHz WLAN Ant 8	5GHz WLAN Ant 10	Bluetooth Ant 7	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)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)
LTE Band 5 Ant 0	FR1 n7Ant 3	Right Cheek	0.098	0.310	0.095	0.134	0.090	0.232	0.098	0.96	0.96
		Right Tilted		0.505	0.089		0.077	0.159	0.074	0.83	0.82
		Left Cheek	0.226	0.244	0.167	0.111	0.224	0.120	0.153	1.09	1.08



LTE Band 5 Ant 0	FR1 n7Ant 6	Left Tilted		0.313	0.212		0.151	0.100	0.110	0.78	0.67
		Right Cheek	0.098	0.301	0.095	0.134	0.090	0.232	0.098	0.95	0.95
		Right Tilted			0.089		0.077	0.159	0.074	0.33	0.31
		Left Cheek	0.226	0.212	0.167	0.111	0.224	0.120	0.153	1.06	1.05
		Left Tilted			0.212		0.151	0.100	0.110	0.46	0.36
LTE Band 5 Ant 1	FR1 n7Ant 3	Right Cheek	0.093	0.310	0.095	0.134	0.090	0.232	0.098	0.95	0.96
		Right Tilted		0.505	0.089		0.077	0.159	0.074	0.83	0.82
		Left Cheek		0.244	0.167	0.111	0.224	0.120	0.153	0.87	0.85
		Left Tilted		0.313	0.212		0.151	0.100	0.110	0.78	0.67
LTE Band 5 Ant 1	FR1 n7Ant 6	Right Cheek	0.093	0.301	0.095	0.134	0.090	0.232	0.098	0.95	0.95
		Right Tilted			0.089		0.077	0.159	0.074	0.33	0.31
		Left Cheek		0.212	0.167	0.111	0.224	0.120	0.153	0.83	0.82
		Left Tilted			0.212		0.151	0.100	0.110	0.46	0.36
LTE Band 66 Ant 4	FR1 n7Ant 3	Right Cheek	0.104	0.310	0.095	0.134	0.090	0.232	0.098	0.97	0.97
		Right Tilted	0.063	0.505	0.089		0.077	0.159	0.074	0.89	0.88
		Left Cheek	0.060	0.244	0.167	0.111	0.224	0.120	0.153	0.93	0.91
		Left Tilted	0.065	0.313	0.212		0.151	0.100	0.110	0.84	0.74
LTE Band 66 Ant 4	FR1 n7Ant 6	Right Cheek	0.104	0.301	0.095	0.134	0.090	0.232	0.098	0.96	0.96
		Right Tilted	0.063		0.089		0.077	0.159	0.074	0.39	0.37
		Left Cheek	0.060	0.212	0.167	0.111	0.224	0.120	0.153	0.89	0.88
		Left Tilted	0.065		0.212		0.151	0.100	0.110	0.53	0.43
LTE Band 66 Ant 5	FR1 n7Ant 3	Right Cheek	0.039	0.310	0.095	0.134	0.090	0.232	0.098	0.90	0.90
		Right Tilted		0.505	0.089		0.077	0.159	0.074	0.83	0.82
		Left Cheek		0.244	0.167	0.111	0.224	0.120	0.153	0.87	0.85
		Left Tilted		0.313	0.212		0.151	0.100	0.110	0.78	0.67
LTE Band 66 Ant 5	FR1 n7Ant 6	Right Cheek	0.039	0.301	0.095	0.134	0.090	0.232	0.098	0.89	0.89
		Right Tilted			0.089		0.077	0.159	0.074	0.33	0.31
		Left Cheek		0.212	0.167	0.111	0.224	0.120	0.153	0.83	0.82
		Left Tilted			0.212		0.151	0.100	0.110	0.46	0.36

WWAN Band	FR1 Band	Exposure Position	1	2	3	4	6	7	9	1+2+3+4+6+7	1+2+4+6+7+9
			WWAN	FR1	2.4GHz WLAN Ant 7	2.4GHz WLAN Ant 6	5GHz WLAN Ant 8	5GHz WLAN Ant 10	Bluetooth Ant 7	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)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)
LTE Band 25 Ant 3	FR1 n41Ant 5	Right Cheek	0.636	0.327	0.095	0.134	0.090	0.232	0.098	1.51	1.52
		Right Tilted	0.613	0.113	0.089		0.077	0.159	0.074	1.05	1.04
		Left Cheek	0.456	0.077	0.167	0.111	0.224	0.120	0.153	1.16	1.14
		Left Tilted	0.430		0.212		0.151	0.100	0.110	0.89	0.79
LTE Band 25 Ant 4	FR1 n41Ant 5	Right Cheek	0.055	0.327	0.095	0.134	0.090	0.232	0.098	0.93	0.94
		Right Tilted		0.113	0.089		0.077	0.159	0.074	0.44	0.42
		Left Cheek	0.067	0.077	0.167	0.111	0.224	0.120	0.153	0.77	0.75
		Left Tilted			0.212		0.151	0.100	0.110	0.46	0.36
LTE Band 26 Ant 0	FR1 n41Ant 5	Right Cheek	0.083	0.327	0.095	0.134	0.090	0.232	0.098	0.96	0.96
		Right Tilted		0.113	0.089		0.077	0.159	0.074	0.44	0.42
		Left Cheek	0.178	0.077	0.167	0.111	0.224	0.120	0.153	0.88	0.86
		Left Tilted			0.212		0.151	0.100	0.110	0.46	0.36
LTE Band 26 Ant 1	FR1 n41Ant 5	Right Cheek	0.115	0.327	0.095	0.134	0.090	0.232	0.098	0.99	1.00
		Right Tilted	0.060	0.113	0.089		0.077	0.159	0.074	0.50	0.48
		Left Cheek	0.070	0.077	0.167	0.111	0.224	0.120	0.153	0.77	0.76
		Left Tilted	0.056		0.212		0.151	0.100	0.110	0.52	0.42



WWAN Band	FR1 Band	Exposure Position	1	2	3	4	6	7	9	1+2+3+4+6+7	1+2+4+6+7+9
			WWAN	FR1	2.4GHz WLAN Ant 7	2.4GHz WLAN Ant 6	5GHz WLAN Ant 8	5GHz WLAN Ant 10	Bluetooth Ant 7	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)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)
LTE Band 7Ant 4	FR1 n66Ant 3	Right Cheek	0.118	0.236	0.095	0.134	0.090	0.232	0.098	0.91	0.91
		Right Tilted	0.098	0.327	0.089		0.077	0.159	0.074	0.75	0.74
		Left Cheek	0.084	0.173	0.167	0.111	0.224	0.120	0.153	0.88	0.87
		Left Tilted	0.103	0.202	0.212		0.151	0.100	0.110	0.77	0.67
LTE Band 7Ant 4	FR1 n66Ant 6	Right Cheek	0.118	0.218	0.095	0.134	0.090	0.232	0.098	0.89	0.89
		Right Tilted	0.098		0.089		0.077	0.159	0.074	0.42	0.41
		Left Cheek	0.084	0.203	0.167	0.111	0.224	0.120	0.153	0.91	0.90
		Left Tilted	0.103		0.212		0.151	0.100	0.110	0.57	0.46
LTE Band 7Ant 5	FR1 n66Ant 3	Right Cheek	0.633	0.236	0.095	0.134	0.090	0.232	0.098	1.42	1.42
		Right Tilted	0.197	0.327	0.089		0.077	0.159	0.074	0.85	0.83
		Left Cheek	0.122	0.173	0.167	0.111	0.224	0.120	0.153	0.92	0.90
		Left Tilted	0.069	0.202	0.212		0.151	0.100	0.110	0.73	0.63
LTE Band 7Ant 5	FR1 n66Ant 6	Right Cheek	0.633	0.218	0.095	0.134	0.090	0.232	0.098	1.40	1.41
		Right Tilted	0.197		0.089		0.077	0.159	0.074	0.52	0.51
		Left Cheek	0.122	0.203	0.167	0.111	0.224	0.120	0.153	0.95	0.93
		Left Tilted	0.069		0.212		0.151	0.100	0.110	0.53	0.43

**<Inter UL CA>**

WWAN Band	Exposure Position	1	2	3	4	6	7	9	1+2+3+4+6+7	1+2+4+6+7+9
		WWAN	LTE B7 Ant 3	2.4GHz WLAN Ant 7	2.4GHz WLAN Ant 6	5GHz WLAN Ant 8	5GHz WLAN Ant 10	Bluetooth Ant 7	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)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)
LTE Band 2 Inter-CA Ant 4	Right Cheek	0.074	0.444	0.095	0.134	0.090	0.232	0.098	1.07	1.07
	Right Tilted	0.029	0.535	0.089		0.077	0.159	0.074	0.89	0.87
	Left Cheek	0.091	0.241	0.167	0.111	0.224	0.120	0.153	0.95	0.94
	Left Tilted	0.048	0.308	0.212		0.151	0.100	0.110	0.82	0.72
LTE Band 2 Inter-CA Ant 5	Right Cheek	0.472	0.444	0.095	0.134	0.090	0.232	0.098	1.47	1.47
	Right Tilted	0.122	0.535	0.089		0.077	0.159	0.074	0.98	0.97
	Left Cheek	0.085	0.241	0.167	0.111	0.224	0.120	0.153	0.95	0.93
	Left Tilted		0.308	0.212		0.151	0.100	0.110	0.77	0.67

WWAN Band	Exposure Position	1	2	3	4	6	7	9	1+2+3+4+6+7	1+2+4+6+7+9
		WWAN	LTE B7 Ant 6	2.4GHz WLAN Ant 7	2.4GHz WLAN Ant 6	5GHz WLAN Ant 8	5GHz WLAN Ant 10	Bluetooth Ant 7	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)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)
LTE Band 2 Inter-CA Ant 4	Right Cheek	0.074	0.496	0.095	0.134	0.090	0.232	0.098	1.12	1.12
	Right Tilted	0.029	0.060	0.089		0.077	0.159	0.074	0.41	0.40
	Left Cheek	0.091	0.283	0.167	0.111	0.224	0.120	0.153	1.00	0.98
	Left Tilted	0.048	0.101	0.212		0.151	0.100	0.110	0.61	0.51
LTE Band 2 Inter-CA Ant 5	Right Cheek	0.472	0.496	0.095	0.134	0.090	0.232	0.098	1.52	1.52
	Right Tilted	0.122	0.060	0.089		0.077	0.159	0.074	0.51	0.49
	Left Cheek	0.085	0.283	0.167	0.111	0.224	0.120	0.153	0.99	0.98
	Left Tilted		0.101	0.212		0.151	0.100	0.110	0.56	0.46



17.2 Hotspot Exposure Conditions

WWAN Band	Exposure Position	1	3	4	6	7	9	1+3+4+6+7	1+4+6+7+9
		WWAN	2.4GHz WLAN Ant 7	2.4GHz WLAN Ant 6	5GHz WLAN Ant 8	5GHz WLAN Ant 10	Bluetooth Ant 7	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)	1g SAR (W/kg)	1g SAR (W/kg)
GSM850Ant 0	Front	0.336	0.113	0.065	0.122	0.062	0.151	0.70	0.74
	Back	0.443	0.148	0.085	0.216	0.225	0.170	1.12	1.14
	Left side	0.978				0.194		1.17	1.17
	Right side		0.109	0.121		0.177	0.136	0.41	0.43
	Top side	0.015	0.352	0.001	0.117	0.030	0.275	0.52	0.44
	Bottom side							0.00	0.00
GSM1900Ant 3	Front	0.718	0.113	0.065	0.122	0.062	0.151	1.08	1.12
	Back	0.579	0.148	0.085	0.216	0.225	0.170	1.25	1.28
	Left side	0.102				0.194		0.30	0.30
	Right side		0.109	0.121		0.177	0.136	0.41	0.43
	Top side	0.938	0.352	0.001	0.117	0.030	0.275	1.44	1.36
	Bottom side							0.00	0.00
WCDMA VAnt 0	Front	0.362	0.113	0.065	0.122	0.062	0.151	0.72	0.76
	Back	0.455	0.148	0.085	0.216	0.225	0.170	1.13	1.15
	Left side	0.813				0.194		1.01	1.01
	Right side		0.109	0.121		0.177	0.136	0.41	0.43
	Top side	0.014	0.352	0.001	0.117	0.030	0.275	0.51	0.44
	Bottom side							0.00	0.00
WCDMA IVAnt 3	Front	0.695	0.113	0.065	0.122	0.062	0.151	1.06	1.10
	Back	0.451	0.148	0.085	0.216	0.225	0.170	1.13	1.15
	Left side	0.135				0.194		0.33	0.33
	Right side		0.109	0.121		0.177	0.136	0.41	0.43
	Top side	0.741	0.352	0.001	0.117	0.030	0.275	1.24	1.16
	Bottom side							0.00	0.00
WCDMA IIAnt 3	Front	0.650	0.113	0.065	0.122	0.062	0.151	1.01	1.05
	Back	0.460	0.148	0.085	0.216	0.225	0.170	1.13	1.16
	Left side	0.125				0.194		0.32	0.32
	Right side		0.109	0.121		0.177	0.136	0.41	0.43
	Top side	0.739	0.352	0.001	0.117	0.030	0.275	1.24	1.16
	Bottom side							0.00	0.00
LTE Band 12Ant 0	Front	0.310	0.113	0.065	0.122	0.062	0.151	0.67	0.71
	Back	0.440	0.148	0.085	0.216	0.225	0.170	1.11	1.14
	Left side	0.842				0.194		1.04	1.04
	Right side		0.109	0.121		0.177	0.136	0.41	0.43
	Top side	0.009	0.352	0.001	0.117	0.030	0.275	0.51	0.43
	Bottom side							0.00	0.00
LTE Band 13Ant 0	Front	0.276	0.113	0.065	0.122	0.062	0.151	0.64	0.68
	Back	0.427	0.148	0.085	0.216	0.225	0.170	1.10	1.12
	Left side	0.695				0.194		0.89	0.89
	Right side		0.109	0.121		0.177	0.136	0.41	0.43
	Top side	0.012	0.352	0.001	0.117	0.030	0.275	0.51	0.44
	Bottom side							0.00	0.00
LTE Band 26Ant 0	Front	0.334	0.113	0.065	0.122	0.062	0.151	0.70	0.73
	Back	0.458	0.148	0.085	0.216	0.225	0.170	1.13	1.15
	Left side	0.798				0.194		0.99	0.99
	Right side		0.109	0.121		0.177	0.136	0.41	0.43
	Top side	0.014	0.352	0.001	0.117	0.030	0.275	0.51	0.44
	Bottom side							0.00	0.00
LTE Band 66Ant 3	Front	0.554	0.113	0.065	0.122	0.062	0.151	0.92	0.95
	Back	0.526	0.148	0.085	0.216	0.225	0.170	1.20	1.22
	Left side	0.168				0.194		0.36	0.36



	Right side		0.109	0.121		0.177	0.136	0.41	0.43
	Top side	0.942	0.352	0.001	0.117	0.030	0.275	1.44	1.37
	Bottom side							0.00	0.00
LTE Band 25Ant 3	Front	0.728	0.113	0.065	0.122	0.062	0.151	1.09	1.13
	Back	0.637	0.148	0.085	0.216	0.225	0.170	1.31	1.33
	Left side	0.156				0.194		0.35	0.35
	Right side		0.109	0.121		0.177	0.136	0.41	0.43
	Top side	0.991	0.352	0.001	0.117	0.030	0.275	1.49	1.41
	Bottom side							0.00	0.00
LTE Band 7Ant 3	Front	0.253	0.113	0.065	0.122	0.062	0.151	0.62	0.65
	Back	0.490	0.148	0.085	0.216	0.225	0.170	1.16	1.19
	Left side	0.154				0.194		0.35	0.35
	Right side		0.109	0.121		0.177	0.136	0.41	0.43
	Top side	0.826	0.352	0.001	0.117	0.030	0.275	1.33	1.25
	Bottom side							0.00	0.00
LTE Band 38Ant 3	Front	0.188	0.113	0.065	0.122	0.062	0.151	0.55	0.59
	Back	0.343	0.148	0.085	0.216	0.225	0.170	1.02	1.04
	Left side	0.125				0.194		0.32	0.32
	Right side		0.109	0.121		0.177	0.136	0.41	0.43
	Top side	0.632	0.352	0.001	0.117	0.030	0.275	1.13	1.06
	Bottom side							0.00	0.00
LTE Band 41Ant 3	Front	0.193	0.113	0.065	0.122	0.062	0.151	0.56	0.59
	Back	0.297	0.148	0.085	0.216	0.225	0.170	0.97	0.99
	Left side	0.112				0.194		0.31	0.31
	Right side		0.109	0.121		0.177	0.136	0.41	0.43
	Top side	0.669	0.352	0.001	0.117	0.030	0.275	1.17	1.09
	Bottom side							0.00	0.00
LTE Band 41-PC2 Ant 3	Front	0.161	0.113	0.065	0.122	0.062	0.151	0.52	0.56
	Back	0.237	0.148	0.085	0.216	0.225	0.170	0.91	0.93
	Left side	0.089				0.194		0.28	0.28
	Right side		0.109	0.121		0.177	0.136	0.41	0.43
	Top side	0.647	0.352	0.001	0.117	0.030	0.275	1.15	1.07
	Bottom side							0.00	0.00
FR1 n12Ant 0	Front	0.267	0.113	0.065	0.122	0.062	0.151	0.63	0.67
	Back	0.429	0.148	0.085	0.216	0.225	0.170	1.10	1.13
	Left side	0.685				0.194		0.88	0.88
	Right side		0.109	0.121		0.177	0.136	0.41	0.43
	Top side	0.004	0.352	0.001	0.117	0.030	0.275	0.50	0.43
	Bottom side							0.00	0.00
FR1 n13Ant 0	Front	0.184	0.113	0.065	0.122	0.062	0.151	0.55	0.58
	Back	0.256	0.148	0.085	0.216	0.225	0.170	0.93	0.95
	Left side	0.341				0.194		0.54	0.54
	Right side		0.109	0.121		0.177	0.136	0.41	0.43
	Top side	0.004	0.352	0.001	0.117	0.030	0.275	0.50	0.43
	Bottom side							0.00	0.00
FR1 n5Ant 0	Front	0.283	0.113	0.065	0.122	0.062	0.151	0.65	0.68
	Back	0.419	0.148	0.085	0.216	0.225	0.170	1.09	1.12
	Left side	0.577				0.194		0.77	0.77
	Right side		0.109	0.121		0.177	0.136	0.41	0.43
	Top side	0.011	0.352	0.001	0.117	0.030	0.275	0.51	0.43
	Bottom side							0.00	0.00
FR1 n26Ant 0	Front	0.070	0.113	0.065	0.122	0.062	0.151	0.43	0.47
	Back	0.097	0.148	0.085	0.216	0.225	0.170	0.77	0.79
	Left side	0.146				0.194		0.34	0.34
	Right side		0.109	0.121		0.177	0.136	0.41	0.43
	Top side		0.352	0.001	0.117	0.030	0.275	0.50	0.42





	Bottom side							0.00	0.00
FR1 n66Ant 3	Front	0.159	0.113	0.065	0.122	0.062	0.151	0.52	0.56
	Back	0.126	0.148	0.085	0.216	0.225	0.170	0.80	0.82
	Left side					0.194		0.19	0.19
	Right side		0.109	0.121		0.177	0.136	0.41	0.43
	Top side	0.277	0.352	0.001	0.117	0.030	0.275	0.78	0.70
	Bottom side							0.00	0.00
FR1 n2Ant 3	Front	0.547	0.113	0.065	0.122	0.062	0.151	0.91	0.95
	Back	0.600	0.148	0.085	0.216	0.225	0.170	1.27	1.30
	Left side	0.122				0.194		0.32	0.32
	Right side		0.109	0.121		0.177	0.136	0.41	0.43
	Top side	0.838	0.352	0.001	0.117	0.030	0.275	1.34	1.26
	Bottom side							0.00	0.00
FR1 n25Ant 3	Front	0.110	0.113	0.065	0.122	0.062	0.151	0.47	0.51
	Back	0.100	0.148	0.085	0.216	0.225	0.170	0.77	0.80
	Left side					0.194		0.19	0.19
	Right side		0.109	0.121		0.177	0.136	0.41	0.43
	Top side	0.269	0.352	0.001	0.117	0.030	0.275	0.77	0.69
	Bottom side							0.00	0.00
FR1 n7Ant 3	Front	0.246	0.113	0.065	0.122	0.062	0.151	0.61	0.65
	Back	0.369	0.148	0.085	0.216	0.225	0.170	1.04	1.07
	Left side	0.090				0.194		0.28	0.28
	Right side		0.109	0.121		0.177	0.136	0.41	0.43
	Top side	0.899	0.352	0.001	0.117	0.030	0.275	1.40	1.32
	Bottom side							0.00	0.00
FR1 n38Ant 3	Front	0.172	0.113	0.065	0.122	0.062	0.151	0.53	0.57
	Back	0.245	0.148	0.085	0.216	0.225	0.170	0.92	0.94
	Left side	0.116				0.194		0.31	0.31
	Right side		0.109	0.121		0.177	0.136	0.41	0.43
	Top side	0.688	0.352	0.001	0.117	0.030	0.275	1.19	1.11
	Bottom side							0.00	0.00
FR1 n41Ant 3	Front	0.214	0.113	0.065	0.122	0.062	0.151	0.58	0.61
	Back	0.311	0.148	0.085	0.216	0.225	0.170	0.99	1.01
	Left side	0.137				0.194		0.33	0.33
	Right side		0.109	0.121		0.177	0.136	0.41	0.43
	Top side	0.777	0.352	0.001	0.117	0.030	0.275	1.28	1.20
	Bottom side							0.00	0.00

WWAN Band	Exposure Position	1	3	4	6	7	9	1+3+4+6+7	1+4+6+7+9
		WWAN 1g SAR (W/kg)	2.4GHz WLAN Ant 7 1g SAR (W/kg)	2.4GHz WLAN Ant 6 1g SAR (W/kg)	5GHz WLAN Ant 8 1g SAR (W/kg)	5GHz WLAN Ant 10 1g SAR (W/kg)	Bluetooth Ant 7 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Summed 1g SAR (W/kg)
GSM850Ant 1	Front	0.542	0.113	0.065	0.122	0.062	0.151	0.90	0.94
	Back	0.658	0.148	0.085	0.216	0.225	0.170	1.33	1.35
	Left side	0.103				0.194		0.30	0.30
	Right side	0.231	0.109	0.121		0.177	0.136	0.64	0.67
	Top side		0.352	0.001	0.117	0.030	0.275	0.50	0.42
	Bottom side	0.379						0.38	0.38
GSM1900Ant 4	Front	0.225	0.113	0.065	0.122	0.062	0.151	0.59	0.63
	Back	0.282	0.148	0.085	0.216	0.225	0.170	0.96	0.98
	Left side					0.194		0.19	0.19
	Right side	0.161	0.109	0.121		0.177	0.136	0.57	0.60
	Top side		0.352	0.001	0.117	0.030	0.275	0.50	0.42
	Bottom side	0.590						0.59	0.59
WCDMA VAnt 1	Front	0.391	0.113	0.065	0.122	0.062	0.151	0.75	0.79
	Back	0.460	0.148	0.085	0.216	0.225	0.170	1.13	1.16



	Left side	0.094				0.194		0.29	0.29
	Right side	0.184	0.109	0.121		0.177	0.136	0.59	0.62
	Top side		0.352	0.001	0.117	0.030	0.275	0.50	0.42
	Bottom side	0.285						0.29	0.29
WCDMA IVAnt 4	Front	0.435	0.113	0.065	0.122	0.062	0.151	0.80	0.84
	Back	0.459	0.148	0.085	0.216	0.225	0.170	1.13	1.16
	Left side					0.194		0.19	0.19
	Right side	0.197	0.109	0.121		0.177	0.136	0.60	0.63
	Top side		0.352	0.001	0.117	0.030	0.275	0.50	0.42
WCDMA IIAnt 4	Bottom side	0.843						0.84	0.84
	Front	0.273	0.113	0.065	0.122	0.062	0.151	0.64	0.67
	Back	0.330	0.148	0.085	0.216	0.225	0.170	1.00	1.03
	Left side					0.194		0.19	0.19
	Right side	0.167	0.109	0.121		0.177	0.136	0.57	0.60
LTE Band 12Ant 1	Top side		0.352	0.001	0.117	0.030	0.275	0.50	0.42
	Bottom side	0.623						0.62	0.62
	Front	0.319	0.113	0.065	0.122	0.062	0.151	0.68	0.72
	Back	0.392	0.148	0.085	0.216	0.225	0.170	1.07	1.09
	Left side	0.131				0.194		0.33	0.33
LTE Band 13Ant 1	Right side	0.274	0.109	0.121		0.177	0.136	0.68	0.71
	Top side		0.352	0.001	0.117	0.030	0.275	0.50	0.42
	Bottom side	0.157						0.16	0.16
	Front	0.227	0.113	0.065	0.122	0.062	0.151	0.59	0.63
	Back	0.291	0.148	0.085	0.216	0.225	0.170	0.97	0.99
LTE Band 26Ant 1	Left side	0.057				0.194		0.25	0.25
	Right side	0.128	0.109	0.121		0.177	0.136	0.54	0.56
	Top side		0.352	0.001	0.117	0.030	0.275	0.50	0.42
	Bottom side	0.262						0.26	0.26
	Front	0.357	0.113	0.065	0.122	0.062	0.151	0.72	0.76
LTE Band 66Ant 4	Back	0.511	0.148	0.085	0.216	0.225	0.170	1.19	1.21
	Left side	0.091				0.194		0.29	0.29
	Right side	0.190	0.109	0.121		0.177	0.136	0.60	0.62
	Top side		0.352	0.001	0.117	0.030	0.275	0.50	0.42
	Bottom side	0.262						0.26	0.26
LTE Band 25Ant 4	Front	0.592	0.113	0.065	0.122	0.062	0.151	0.95	0.99
	Back	0.576	0.148	0.085	0.216	0.225	0.170	1.25	1.27
	Left side					0.194		0.19	0.19
	Right side	0.257	0.109	0.121		0.177	0.136	0.66	0.69
	Top side		0.352	0.001	0.117	0.030	0.275	0.50	0.42
LTE Band 7Ant 4	Bottom side	1.174						1.17	1.17
	Front	0.423	0.113	0.065	0.122	0.062	0.151	0.79	0.82
	Back	0.450	0.148	0.085	0.216	0.225	0.170	1.12	1.15
	Left side					0.194		0.19	0.19
	Right side	0.217	0.109	0.121		0.177	0.136	0.62	0.65
LTE Band 38Ant 4	Top side		0.352	0.001	0.117	0.030	0.275	0.50	0.42
	Bottom side	0.961						0.96	0.96
	Front	0.615	0.113	0.065	0.122	0.062	0.151	0.98	1.02
	Back	0.393	0.148	0.085	0.216	0.225	0.170	1.07	1.09
	Left side					0.194		0.19	0.19
LTE Band 38Ant 4	Right side	0.195	0.109	0.121		0.177	0.136	0.60	0.63
	Top side		0.352	0.001	0.117	0.030	0.275	0.50	0.42
	Bottom side	0.583						0.58	0.58
	Front	0.481	0.113	0.065	0.122	0.062	0.151	0.84	0.88
LTE Band 38Ant 4	Back	0.467	0.148	0.085	0.216	0.225	0.170	1.14	1.16
	Left side					0.194		0.19	0.19
	Right side	0.199	0.109	0.121		0.177	0.136	0.61	0.63



	Top side		0.352	0.001	0.117	0.030	0.275	0.50	0.42
	Bottom side	0.614						0.61	0.61
LTE Band 41Ant 4	Front	0.419	0.113	0.065	0.122	0.062	0.151	0.78	0.82
	Back	0.401	0.148	0.085	0.216	0.225	0.170	1.08	1.10
	Left side					0.194		0.19	0.19
	Right side	0.169	0.109	0.121		0.177	0.136	0.58	0.60
	Top side		0.352	0.001	0.117	0.030	0.275	0.50	0.42
	Bottom side	0.533						0.53	0.53
LTE Band 41-PC2 Ant 4	Front	0.463	0.113	0.065	0.122	0.062	0.151	0.83	0.86
	Back	0.453	0.148	0.085	0.216	0.225	0.170	1.13	1.15
	Left side					0.194		0.19	0.19
	Right side	0.195	0.109	0.121		0.177	0.136	0.60	0.63
	Top side		0.352	0.001	0.117	0.030	0.275	0.50	0.42
	Bottom side	0.628						0.63	0.63
FR1 n12Ant 1	Front	0.063	0.113	0.065	0.122	0.062	0.151	0.43	0.46
	Back	0.080	0.148	0.085	0.216	0.225	0.170	0.75	0.78
	Left side	0.043				0.194		0.24	0.24
	Right side	0.061	0.109	0.121		0.177	0.136	0.47	0.50
	Top side		0.352	0.001	0.117	0.030	0.275	0.50	0.42
	Bottom side	0.033						0.03	0.03
FR1 n13Ant 1	Front	0.253	0.113	0.065	0.122	0.062	0.151	0.62	0.65
	Back	0.305	0.148	0.085	0.216	0.225	0.170	0.98	1.00
	Left side	0.066				0.194		0.26	0.26
	Right side	0.142	0.109	0.121		0.177	0.136	0.55	0.58
	Top side		0.352	0.001	0.117	0.030	0.275	0.50	0.42
	Bottom side	0.190						0.19	0.19
FR1 n5Ant 1	Front	0.325	0.113	0.065	0.122	0.062	0.151	0.69	0.73
	Back	0.447	0.148	0.085	0.216	0.225	0.170	1.12	1.14
	Left side	0.077				0.194		0.27	0.27
	Right side	0.163	0.109	0.121		0.177	0.136	0.57	0.60
	Top side		0.352	0.001	0.117	0.030	0.275	0.50	0.42
	Bottom side	0.243						0.24	0.24
FR1 n26Ant 1	Front	0.148	0.113	0.065	0.122	0.062	0.151	0.51	0.55
	Back	0.259	0.148	0.085	0.216	0.225	0.170	0.93	0.96
	Left side					0.194		0.19	0.19
	Right side	0.066	0.109	0.121		0.177	0.136	0.47	0.50
	Top side		0.352	0.001	0.117	0.030	0.275	0.50	0.42
	Bottom side	0.117						0.12	0.12
FR1 n66Ant 4	Front	0.519	0.113	0.065	0.122	0.062	0.151	0.88	0.92
	Back	0.678	0.148	0.085	0.216	0.225	0.170	1.35	1.37
	Left side					0.194		0.19	0.19
	Right side	0.239	0.109	0.121		0.177	0.136	0.65	0.67
	Top side		0.352	0.001	0.117	0.030	0.275	0.50	0.42
	Bottom side	1.052						1.05	1.05
FR1 n2Ant 4	Front	0.344	0.113	0.065	0.122	0.062	0.151	0.71	0.74
	Back	0.529	0.148	0.085	0.216	0.225	0.170	1.20	1.23
	Left side					0.194		0.19	0.19
	Right side	0.211	0.109	0.121		0.177	0.136	0.62	0.65
	Top side		0.352	0.001	0.117	0.030	0.275	0.50	0.42
	Bottom side	1.073						1.07	1.07
FR1 n25Ant 4	Front	0.160	0.113	0.065	0.122	0.062	0.151	0.52	0.56
	Back	0.250	0.148	0.085	0.216	0.225	0.170	0.92	0.95
	Left side					0.194		0.19	0.19
	Right side	0.153	0.109	0.121		0.177	0.136	0.56	0.59
	Top side		0.352	0.001	0.117	0.030	0.275	0.50	0.42
	Bottom side	0.203						0.20	0.20



FR1 n7Ant 4	Front	0.494	0.113	0.065	0.122	0.062	0.151	0.86	0.89
	Back	0.436	0.148	0.085	0.216	0.225	0.170	1.11	1.13
	Left side					0.194		0.19	0.19
	Right side	0.195	0.109	0.121		0.177	0.136	0.60	0.63
	Top side		0.352	0.001	0.117	0.030	0.275	0.50	0.42
	Bottom side	0.573						0.57	0.57
FR1 n38Ant 4	Front	0.482	0.113	0.065	0.122	0.062	0.151	0.84	0.88
	Back	0.347	0.148	0.085	0.216	0.225	0.170	1.02	1.04
	Left side					0.194		0.19	0.19
	Right side	0.157	0.109	0.121		0.177	0.136	0.56	0.59
	Top side		0.352	0.001	0.117	0.030	0.275	0.50	0.42
	Bottom side	0.495						0.50	0.50
FR1 n41Ant 4	Front	0.483	0.113	0.065	0.122	0.062	0.151	0.85	0.88
	Back	0.383	0.148	0.085	0.216	0.225	0.170	1.06	1.08
	Left side					0.194		0.19	0.19
	Right side	0.191	0.109	0.121		0.177	0.136	0.60	0.63
	Top side		0.352	0.001	0.117	0.030	0.275	0.50	0.42
	Bottom side	0.578						0.58	0.58

<5G NR UL MIML>

WWAN Band	WWAN Band	Exposure Position	1	2	3	4	6	7	9	1+2+3+4+6+7	1+2+4+6+7+9
			WWAN	WWAN	2.4GHz WLAN Ant 7	2.4GHz WLAN Ant 6	5GHz WLAN Ant 8	5GHz WLAN Ant 10	Bluetooth Ant 7	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)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)
FR1 n41_MIMO Ant 3	FR1 n41_MIMO Ant 4	Front	0.214	0.246	0.113	0.065	0.122	0.062	0.151	0.82	0.86
		Back	0.311	0.202	0.148	0.085	0.216	0.225	0.170	1.19	1.21
		Left side	0.137					0.194		0.33	0.33
		Right side		0.097	0.109	0.121		0.177	0.136	0.50	0.53
		Top side	0.777		0.352	0.001	0.117	0.030	0.275	1.28	1.20
		Bottom side		0.308						0.31	0.31
FR1 n41_MIMO Ant 3	FR1 n41_MIMO Ant 5	Front	0.214	0.352	0.113	0.065	0.122	0.062	0.151	0.93	0.97
		Back	0.311	0.497	0.148	0.085	0.216	0.225	0.170	1.48	1.50
		Left side	0.137	1.008				0.194		1.34	1.34
		Right side			0.109	0.121		0.177	0.136	0.41	0.43
		Top side	0.777	0.092	0.352	0.001	0.117	0.030	0.275	1.37	1.29
		Bottom side								0.00	0.00
FR1 n41_MIMO Ant 4	FR1 n41_MIMO Ant 5	Front	0.246	0.352	0.113	0.065	0.173	0.062	0.151	1.01	1.05
		Back	0.202	0.497	0.148	0.085	0.218	0.244	0.170	1.39	1.42
		Left side		1.008				0.194		1.20	1.20
		Right side	0.097		0.109	0.121		0.177	0.136	0.50	0.53
		Top side		0.092	0.352	0.001	0.117	0.030	0.275	0.59	0.52
		Bottom side	0.308							0.31	0.31

<5G NR EN-DC>

WWAN Band	FR1 Band	Exposure Position	1	2	3	4	6	7	9	1+2+3+4+6+7	1+2+4+6+7+9
			WWAN	FR1	2.4GHz WLAN Ant 7	2.4GHz WLAN Ant 6	5GHz WLAN Ant 8	5GHz WLAN Ant 10	Bluetooth Ant 7	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)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)
LTE Band 7Ant 3	FR1 n5Ant 0	Front	0.219	0.084	0.113	0.065	0.122	0.062	0.151	0.67	0.70
		Back	0.313	0.100	0.148	0.085	0.216	0.225	0.170	1.09	1.11
		Left side	0.083	0.235				0.194		0.51	0.51
		Right side			0.109	0.121		0.177	0.136	0.41	0.43
		Top side	0.748		0.352	0.001	0.117	0.030	0.275	1.25	1.17
		Bottom side								0.00	0.00



LTE Band 7Ant 3	FR1 n5Ant 1	Front	0.219	0.091	0.113	0.065	0.122	0.062	0.151	0.67	0.71
		Back	0.313	0.120	0.148	0.085	0.216	0.225	0.170	1.11	1.13
		Left side	0.083					0.194		0.28	0.28
		Right side			0.109	0.121		0.177	0.136	0.41	0.43
		Top side	0.748		0.352	0.001	0.117	0.030	0.275	1.25	1.17
		Bottom side		0.060						0.06	0.06
LTE Band 7Ant 6	FR1 n5Ant 0	Front	0.136	0.084	0.113	0.065	0.122	0.062	0.151	0.58	0.62
		Back	0.206	0.100	0.148	0.085	0.216	0.225	0.170	0.98	1.00
		Left side		0.235				0.194		0.43	0.43
		Right side	0.494		0.109	0.121		0.177	0.136	0.90	0.93
		Top side			0.352	0.001	0.117	0.030	0.275	0.50	0.42
		Bottom side								0.00	0.00
LTE Band 7Ant 6	FR1 n5Ant 1	Front	0.136	0.091	0.113	0.065	0.122	0.062	0.151	0.59	0.63
		Back	0.206	0.120	0.148	0.085	0.216	0.225	0.170	1.00	1.02
		Left side						0.194		0.19	0.19
		Right side	0.494		0.109	0.121		0.177	0.136	0.90	0.93
		Top side			0.352	0.001	0.117	0.030	0.275	0.50	0.42
		Bottom side		0.060						0.06	0.06

WWAN Band	FR1 Band	Exposure Position	1	2	3	4	6	7	9	1+2+3+4+6+7	1+2+4+6+7+9
			WWAN	FR1	2.4GHz WLAN Ant 7	2.4GHz WLAN Ant 6	5GHz WLAN Ant 8	5GHz WLAN Ant 10	Bluetooth Ant 7	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)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)
LTE Band 5Ant 0	FR1 n7Ant 3	Front	0.080	0.113	0.113	0.065	0.122	0.062	0.151	0.56	0.59
		Back	0.105	0.161	0.148	0.085	0.216	0.225	0.170	0.94	0.96
		Left side	0.247	0.081				0.194		0.52	0.52
		Right side			0.109	0.121		0.177	0.136	0.41	0.43
		Top side		0.445	0.352	0.001	0.117	0.030	0.275	0.95	0.87
		Bottom side								0.00	0.00
LTE Band 5Ant 0	FR1 n7Ant 6	Front	0.080	0.145	0.113	0.065	0.122	0.062	0.151	0.59	0.63
		Back	0.105	0.209	0.148	0.085	0.216	0.225	0.170	0.99	1.01
		Left side	0.247					0.194		0.44	0.44
		Right side		0.520	0.109	0.121		0.177	0.136	0.93	0.95
		Top side			0.352	0.001	0.117	0.030	0.275	0.50	0.42
		Bottom side								0.00	0.00
LTE Band 5Ant 1	FR1 n7Ant 3	Front	0.116	0.113	0.113	0.065	0.122	0.062	0.151	0.59	0.63
		Back	0.168	0.161	0.148	0.085	0.216	0.225	0.170	1.00	1.03
		Left side		0.081				0.194		0.28	0.28
		Right side	0.067		0.109	0.121		0.177	0.136	0.47	0.50
		Top side		0.445	0.352	0.001	0.117	0.030	0.275	0.95	0.87
		Bottom side	0.086							0.09	0.09
LTE Band 5Ant 1	FR1 n7Ant 6	Front	0.116	0.145	0.113	0.065	0.122	0.062	0.151	0.62	0.66
		Back	0.168	0.209	0.148	0.085	0.216	0.225	0.170	1.05	1.07
		Left side						0.194		0.19	0.19
		Right side	0.067	0.520	0.109	0.121		0.177	0.136	0.99	1.02
		Top side			0.352	0.001	0.117	0.030	0.275	0.50	0.42
		Bottom side	0.086							0.09	0.09
LTE Band 66Ant 4	FR1 n7Ant 3	Front	0.158	0.113	0.113	0.065	0.122	0.062	0.151	0.63	0.67
		Back	0.179	0.161	0.148	0.085	0.216	0.225	0.170	1.01	1.04
		Left side		0.081				0.194		0.28	0.28
		Right side	0.071		0.109	0.121		0.177	0.136	0.48	0.51
		Top side		0.445	0.352	0.001	0.117	0.030	0.275	0.95	0.87
		Bottom side	0.337							0.34	0.34
LTE Band 66Ant 4	FR1 n7Ant 6	Front	0.158	0.145	0.113	0.065	0.122	0.062	0.151	0.67	0.70
		Back	0.179	0.209	0.148	0.085	0.216	0.225	0.170	1.06	1.08



		Left side						0.194		0.19	0.19	
		Right side	0.071	0.520	0.109	0.121			0.177	0.136	1.00	1.03
		Top side			0.352	0.001	0.117	0.030	0.275	0.50	0.42	
		Bottom side	0.337								0.34	0.34
LTE Band 66Ant 5	FR1 n7Ant 3	Front		0.113	0.113	0.065	0.122	0.062	0.151	0.48	0.51	
		Back		0.161	0.148	0.085	0.216	0.225	0.170	0.84	0.86	
		Left side	0.023	0.081					0.194		0.30	0.30
		Right side			0.109	0.121			0.177	0.136	0.41	0.43
		Top side		0.445	0.352	0.001	0.117	0.030	0.275	0.95	0.87	
		Bottom side									0.00	0.00
LTE Band 66Ant 5	FR1 n7Ant 6	Front		0.145	0.113	0.065	0.122	0.062	0.151	0.51	0.55	
		Back		0.209	0.148	0.085	0.216	0.225	0.170	0.88	0.91	
		Left side	0.023						0.194		0.22	0.22
		Right side		0.520	0.109	0.121			0.177	0.136	0.93	0.95
		Top side			0.352	0.001	0.117	0.030	0.275	0.50	0.42	
		Bottom side									0.00	0.00

WWAN Band	FR1 Band	Exposure Position	1	2	3	4	6	7	9	1+2+3+4+6+7	1+2+4+6+7+9
			WWAN	FR1	2.4GHz WLAN Ant 7	2.4GHz WLAN Ant 6	5GHz WLAN Ant 8	5GHz WLAN Ant 10	Bluetooth Ant 7	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)	Estimated 1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)
LTE Band 25Ant 3	FR1 n41Ant 5	Front	0.332	0.181	0.113	0.065	0.122	0.062	0.151	0.88	0.91
		Back	0.314	0.266	0.148	0.085	0.216	0.225	0.170	1.25	1.28
		Left side	0.069	0.499				0.194		0.76	0.76
		Right side			0.109	0.121		0.177	0.136	0.41	0.43
		Top side	0.512		0.352	0.001	0.117	0.030	0.275	1.01	0.94
		Bottom side								0.00	0.00
LTE Band 25Ant 4	FR1 n41Ant 5	Front	0.170	0.181	0.113	0.065	0.122	0.062	0.151	0.71	0.75
		Back	0.187	0.266	0.148	0.085	0.216	0.225	0.170	1.13	1.15
		Left side		0.499				0.194		0.69	0.69
		Right side	0.094		0.109	0.121		0.177	0.136	0.50	0.53
		Top side			0.352	0.001	0.117	0.030	0.275	0.50	0.42
		Bottom side	0.441							0.44	0.44
LTE Band 26Ant 0	FR1 n41Ant 5	Front	0.086	0.181	0.113	0.065	0.122	0.062	0.151	0.63	0.67
		Back	0.114	0.266	0.148	0.085	0.216	0.225	0.170	1.05	1.08
		Left side	0.284	0.499				0.194		0.98	0.98
		Right side			0.109	0.121		0.177	0.136	0.41	0.43
		Top side			0.352	0.001	0.117	0.030	0.275	0.50	0.42
		Bottom side								0.00	0.00
LTE Band 26Ant 1	FR1 n41Ant 5	Front	0.133	0.181	0.113	0.065	0.122	0.062	0.151	0.68	0.71
		Back	0.149	0.266	0.148	0.085	0.216	0.225	0.170	1.09	1.11
		Left side		0.499				0.194		0.69	0.69
		Right side	0.061		0.109	0.121		0.177	0.136	0.47	0.50
		Top side			0.352	0.001	0.117	0.030	0.275	0.50	0.42
		Bottom side	0.081							0.08	0.08

WWAN Band	FR1 Band	Exposure Position	1	2	3	4	6	7	9	1+2+3+4+6+7	1+2+4+6+7+9
			WWAN	FR1	2.4GHz WLAN Ant 7	2.4GHz WLAN Ant 6	5GHz WLAN Ant 8	5GHz WLAN Ant 10	Bluetooth Ant 7	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)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)
LTE Band 7Ant 4	FR1 n66Ant 3	Front	0.202	0.103	0.113	0.065	0.122	0.062	0.151	0.67	0.71
		Back	0.158	0.094	0.148	0.085	0.216	0.225	0.170	0.93	0.95
		Left side						0.194		0.19	0.19
		Right side	0.091		0.109	0.121		0.177	0.136	0.50	0.53





		Top side		0.220	0.352	0.001	0.117	0.030	0.275	0.72	0.64
		Bottom side	0.270								0.27
LTE Band 7Ant 4	FR1 n66Ant 6	Front	0.202	0.094	0.113	0.065	0.122	0.062	0.151	0.66	0.70
		Back	0.158	0.143	0.148	0.085	0.216	0.225	0.170	0.98	1.00
		Left side						0.194		0.19	0.19
		Right side	0.091	0.224	0.109	0.121		0.177	0.136	0.72	0.75
		Top side			0.352	0.001	0.117	0.030	0.275	0.50	0.42
		Bottom side	0.270							0.27	0.27
LTE Band 7Ant 5	FR1 n66Ant 3	Front	0.197	0.103	0.113	0.065	0.122	0.062	0.151	0.66	0.70
		Back	0.276	0.094	0.148	0.085	0.216	0.225	0.170	1.04	1.07
		Left side	0.554					0.194		0.75	0.75
		Right side			0.109	0.121		0.177	0.136	0.41	0.43
		Top side	0.056	0.220	0.352	0.001	0.117	0.030	0.275	0.78	0.70
		Bottom side								0.00	0.00
LTE Band 7Ant 5	FR1 n66Ant 6	Front	0.197	0.094	0.113	0.065	0.122	0.062	0.151	0.65	0.69
		Back	0.276	0.143	0.148	0.085	0.216	0.225	0.170	1.09	1.12
		Left side	0.554					0.194		0.75	0.75
		Right side		0.224	0.109	0.121		0.177	0.136	0.63	0.66
		Top side	0.056		0.352	0.001	0.117	0.030	0.275	0.56	0.48
		Bottom side								0.00	0.00

**<Inter UL CA>**

WWAN Band	Exposure Position	1	2	3	4	6	7	9	1+2+3+4+6+7	1+2+4+6+7+9
		WWAN 1g SAR (W/kg)	LTE B7 Ant 3 1g SAR (W/kg)	2.4GHz WLAN Ant 7 1g SAR (W/kg)	2.4GHz WLAN Ant 6 1g SAR (W/kg)	5GHz WLAN Ant 8 1g SAR (W/kg)	5GHz WLAN Ant 10 1g SAR (W/kg)	Bluetooth Ant 7 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Summed 1g SAR (W/kg)
LTE Band 2 Inter-CA Ant 4	Front	0.312	0.219	0.113	0.065	0.122	0.062	0.151	0.89	0.93
	Back	0.493	0.313	0.148	0.085	0.216	0.225	0.170	1.48	1.50
	Left side		0.083				0.194		0.28	0.28
	Right side	0.197		0.109	0.121		0.177	0.136	0.60	0.63
	Top side		0.748	0.352	0.001	0.117	0.030	0.275	1.25	1.17
	Bottom side	0.770							0.77	0.77
LTE Band 2 Inter-CA Ant 5	Front	0.124	0.219	0.113	0.065	0.122	0.062	0.151	0.71	0.74
	Back	0.191	0.313	0.148	0.085	0.216	0.225	0.170	1.18	1.20
	Left side	0.376	0.083				0.194		0.65	0.65
	Right side			0.109	0.121		0.177	0.136	0.41	0.43
	Top side		0.748	0.352	0.001	0.117	0.030	0.275	1.25	1.17
	Bottom side								0.00	0.00

WWAN Band	Exposure Position	1	2	3	4	6	7	9	1+2+3+4+6+7	1+2+4+6+7+9
		WWAN 1g SAR (W/kg)	LTE B7 Ant 6 1g SAR (W/kg)	2.4GHz WLAN Ant 7 1g SAR (W/kg)	2.4GHz WLAN Ant 6 1g SAR (W/kg)	5GHz WLAN Ant 8 1g SAR (W/kg)	5GHz WLAN Ant 10 1g SAR (W/kg)	Bluetooth Ant 7 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Summed 1g SAR (W/kg)
LTE Band 2 Inter-CA Ant 4	Front	0.312	0.146	0.113	0.065	0.122	0.062	0.151	0.82	0.86
	Back	0.493	0.293	0.148	0.085	0.216	0.225	0.170	1.46	1.48
	Left side						0.194		0.19	0.19
	Right side	0.197	0.567	0.109	0.121		0.177	0.136	1.17	1.20
	Top side			0.352	0.001	0.117	0.030	0.275	0.50	0.42
	Bottom side	0.770							0.77	0.77
LTE Band 2 Inter-CA Ant 5	Front	0.124	0.146	0.113	0.065	0.122	0.062	0.151	0.63	0.67
	Back	0.191	0.293	0.148	0.085	0.216	0.225	0.170	1.16	1.18
	Left side	0.376					0.194		0.57	0.57
	Right side		0.567	0.109	0.121		0.177	0.136	0.97	1.00
	Top side			0.352	0.001	0.117	0.030	0.275	0.50	0.42
	Bottom side								0.00	0.00

**17.3 Body-Worn Accessory Exposure Conditions**

WWAN Band	Exposure Position	1	3	4	6	7	9	1+3+4+6+7	1+4+6+7+9
		WWAN	2.4GHz WLAN Ant 7	2.4GHz WLAN Ant 6	5GHz WLAN Ant 8	5GHz WLAN Ant 10	Bluetooth Ant 7	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)	1g SAR (W/kg)	1g SAR (W/kg)
GSM850Ant 0	Front	0.336	0.113	0.065	0.173	0.062	0.151	0.75	0.79
	Back	0.443	0.148	0.085	0.218	0.244	0.170	1.14	1.16
GSM1900Ant 3	Front	0.718	0.113	0.065	0.173	0.062	0.151	1.13	1.17
	Back	0.579	0.148	0.085	0.218	0.244	0.170	1.27	1.30
WCDMA VAnt 0	Front	0.362	0.113	0.065	0.173	0.062	0.151	0.78	0.81
	Back	0.455	0.148	0.085	0.218	0.244	0.170	1.15	1.17
WCDMA IVAnt 3	Front	0.695	0.113	0.065	0.173	0.062	0.151	1.11	1.15
	Back	0.451	0.148	0.085	0.218	0.244	0.170	1.15	1.17
WCDMA IIAnt 3	Front	0.650	0.113	0.065	0.173	0.062	0.151	1.06	1.10
	Back	0.460	0.148	0.085	0.218	0.244	0.170	1.16	1.18
LTE Band 12Ant 0	Front	0.310	0.113	0.065	0.173	0.062	0.151	0.72	0.76
	Back	0.440	0.148	0.085	0.218	0.244	0.170	1.14	1.16
LTE Band 13Ant 0	Front	0.276	0.113	0.065	0.173	0.062	0.151	0.69	0.73
	Back	0.427	0.148	0.085	0.218	0.244	0.170	1.12	1.14
LTE Band 26Ant 0	Front	0.334	0.113	0.065	0.173	0.062	0.151	0.75	0.79
	Back	0.458	0.148	0.085	0.218	0.244	0.170	1.15	1.18
LTE Band 66Ant 3	Front	0.554	0.113	0.065	0.173	0.062	0.151	0.97	1.01
	Back	0.526	0.148	0.085	0.218	0.244	0.170	1.22	1.24
LTE Band 25Ant 3	Front	0.728	0.113	0.065	0.173	0.062	0.151	1.14	1.18
	Back	0.637	0.148	0.085	0.218	0.244	0.170	1.33	1.35
LTE Band 7Ant 3	Front	0.253	0.113	0.065	0.173	0.062	0.151	0.67	0.70
	Back	0.490	0.148	0.085	0.218	0.244	0.170	1.19	1.21
LTE Band 38Ant 3	Front	0.188	0.113	0.065	0.173	0.062	0.151	0.60	0.64
	Back	0.343	0.148	0.085	0.218	0.244	0.170	1.04	1.06
LTE Band 41Ant 3	Front	0.193	0.113	0.065	0.173	0.062	0.151	0.61	0.64
	Back	0.297	0.148	0.085	0.218	0.244	0.170	0.99	1.01
LTE Band 41-PC2Ant 3	Front	0.161	0.113	0.065	0.173	0.062	0.151	0.57	0.61
	Back	0.237	0.148	0.085	0.218	0.244	0.170	0.93	0.95
FR1 n12Ant 0	Front	0.267	0.113	0.065	0.173	0.062	0.151	0.68	0.72
	Back	0.429	0.148	0.085	0.218	0.244	0.170	1.12	1.15
FR1 n13Ant 0	Front	0.184	0.113	0.065	0.173	0.062	0.151	0.60	0.64
	Back	0.256	0.148	0.085	0.218	0.244	0.170	0.95	0.97
FR1 n5Ant 0	Front	0.283	0.113	0.065	0.173	0.062	0.151	0.70	0.73
	Back	0.419	0.148	0.085	0.218	0.244	0.170	1.11	1.14
FR1 n26Ant 0	Front	0.070	0.113	0.065	0.173	0.062	0.151	0.48	0.52
	Back	0.097	0.148	0.085	0.218	0.244	0.170	0.79	0.81
FR1 n66Ant 3	Front	0.159	0.113	0.065	0.173	0.062	0.151	0.57	0.61
	Back	0.126	0.148	0.085	0.218	0.244	0.170	0.82	0.84
FR1 n2Ant 3	Front	0.547	0.113	0.065	0.173	0.062	0.151	0.96	1.00
	Back	0.600	0.148	0.085	0.218	0.244	0.170	1.30	1.32
FR1 n25Ant 3	Front	0.110	0.113	0.065	0.173	0.062	0.151	0.52	0.56
	Back	0.100	0.148	0.085	0.218	0.244	0.170	0.80	0.82
FR1 n7Ant 3	Front	0.246	0.113	0.065	0.173	0.062	0.151	0.66	0.70
	Back	0.369	0.148	0.085	0.218	0.244	0.170	1.06	1.09
FR1 n38Ant 3	Front	0.172	0.113	0.065	0.173	0.062	0.151	0.59	0.62
	Back	0.245	0.148	0.085	0.218	0.244	0.170	0.94	0.96
FR1 n41Ant 3	Front	0.214	0.113	0.065	0.173	0.062	0.151	0.63	0.67
	Back	0.311	0.148	0.085	0.218	0.244	0.170	1.01	1.03



WWAN Band	Exposure Position	1	3	4	6	7	9	1+3+4+6+7	1+4+6+7+9
		WWAN	2.4GHz WLAN Ant 1	2.4GHz WLAN Ant 2	5GHz WLAN Ant 1	5GHz WLAN Ant 2	Bluetooth Ant 1	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)	1g SAR (W/kg)	1g SAR (W/kg)
GSM850Ant 1	Front	0.542	0.113	0.065	0.173	0.062	0.151	0.96	0.99
	Back	0.658	0.148	0.085	0.218	0.244	0.170	1.35	1.38
GSM1900Ant 4	Front	0.225	0.113	0.065	0.173	0.062	0.151	0.64	0.68
	Back	0.282	0.148	0.085	0.218	0.244	0.170	0.98	1.00
WCDMA VAnt 1	Front	0.391	0.113	0.065	0.173	0.062	0.151	0.80	0.84
	Back	0.460	0.148	0.085	0.218	0.244	0.170	1.16	1.18
WCDMA IVAnt 4	Front	0.435	0.113	0.065	0.173	0.062	0.151	0.85	0.89
	Back	0.459	0.148	0.085	0.218	0.244	0.170	1.15	1.18
WCDMA IIAnt 4	Front	0.273	0.113	0.065	0.173	0.062	0.151	0.69	0.72
	Back	0.330	0.148	0.085	0.218	0.244	0.170	1.03	1.05
LTE Band 12Ant 1	Front	0.319	0.113	0.065	0.173	0.062	0.151	0.73	0.77
	Back	0.392	0.148	0.085	0.218	0.244	0.170	1.09	1.11
LTE Band 13Ant 1	Front	0.227	0.113	0.065	0.173	0.062	0.151	0.64	0.68
	Back	0.291	0.148	0.085	0.218	0.244	0.170	0.99	1.01
LTE Band 26Ant 1	Front	0.357	0.113	0.065	0.173	0.062	0.151	0.77	0.81
	Back	0.511	0.148	0.085	0.218	0.244	0.170	1.21	1.23
LTE Band 66Ant 4	Front	0.592	0.113	0.065	0.173	0.062	0.151	1.01	1.04
	Back	0.576	0.148	0.085	0.218	0.244	0.170	1.27	1.29
LTE Band 25Ant 4	Front	0.423	0.113	0.065	0.173	0.062	0.151	0.84	0.87
	Back	0.450	0.148	0.085	0.218	0.244	0.170	1.15	1.17
LTE Band 7Ant 4	Front	0.615	0.113	0.065	0.173	0.062	0.151	1.03	1.07
	Back	0.393	0.148	0.085	0.218	0.244	0.170	1.09	1.11
LTE Band 38Ant 4	Front	0.481	0.113	0.065	0.173	0.062	0.151	0.89	0.93
	Back	0.467	0.148	0.085	0.218	0.244	0.170	1.16	1.18
LTE Band 41Ant 4	Front	0.419	0.113	0.065	0.173	0.062	0.151	0.83	0.87
	Back	0.401	0.148	0.085	0.218	0.244	0.170	1.10	1.12
LTE Band 41-PC2Ant 4	Front	0.463	0.113	0.065	0.173	0.062	0.151	0.88	0.91
	Back	0.453	0.148	0.085	0.218	0.244	0.170	1.15	1.17
FR1 n12Ant 1	Front	0.063	0.113	0.065	0.173	0.062	0.151	0.48	0.51
	Back	0.080	0.148	0.085	0.218	0.244	0.170	0.78	0.80
FR1 n13Ant 1	Front	0.253	0.113	0.065	0.173	0.062	0.151	0.67	0.70
	Back	0.305	0.148	0.085	0.218	0.244	0.170	1.00	1.02
FR1 n5Ant 1	Front	0.325	0.113	0.065	0.173	0.062	0.151	0.74	0.78
	Back	0.447	0.148	0.085	0.218	0.244	0.170	1.14	1.16
FR1 n26Ant 1	Front	0.148	0.113	0.065	0.173	0.062	0.151	0.56	0.60
	Back	0.259	0.148	0.085	0.218	0.244	0.170	0.95	0.98
FR1 n66Ant 4	Front	0.519	0.113	0.065	0.173	0.062	0.151	0.93	0.97
	Back	0.678	0.148	0.085	0.218	0.244	0.170	1.37	1.40
FR1 n2Ant 4	Front	0.344	0.113	0.065	0.173	0.062	0.151	0.76	0.80
	Back	0.529	0.148	0.085	0.218	0.244	0.170	1.22	1.25
FR1 n25Ant 4	Front	0.160	0.113	0.065	0.173	0.062	0.151	0.57	0.61
	Back	0.250	0.148	0.085	0.218	0.244	0.170	0.95	0.97
FR1 n7Ant 4	Front	0.494	0.113	0.065	0.173	0.062	0.151	0.91	0.95
	Back	0.436	0.148	0.085	0.218	0.244	0.170	1.13	1.15
FR1 n38Ant 4	Front	0.482	0.113	0.065	0.173	0.062	0.151	0.90	0.93
	Back	0.347	0.148	0.085	0.218	0.244	0.170	1.04	1.06
FR1 n41Ant 4	Front	0.483	0.113	0.065	0.173	0.062	0.151	0.90	0.93
	Back	0.383	0.148	0.085	0.218	0.244	0.170	1.08	1.10

**<5G NR UL MIMO >**

WWAN Band	WWAN Band	Exposure Position	1	2	3	4	6	7	9	1+2+3+4+6+7	1+2+4+6+7+9
			WWAN	WWAN	2.4GHz WLAN Ant 7	2.4GHz WLAN Ant 6	5GHz WLAN Ant 8	5GHz WLAN Ant 10	Bluetooth Ant 7	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)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)
FR1 n41_MIMO Ant 3	FR1 n41_MIMO Ant 4	Front	0.214	0.246	0.113	0.065	0.173	0.062	0.151	0.87	0.91
		Back	0.311	0.202	0.148	0.085	0.218	0.244	0.170	1.21	1.23
FR1 n41_MIMO Ant 3	FR1 n41_MIMO Ant 5	Front	0.214	0.352	0.113	0.065	0.173	0.062	0.151	0.98	1.02
		Back	0.311	0.497	0.148	0.085	0.218	0.244	0.170	1.50	1.53
FR1 n41_MIMO Ant 4	FR1 n41_MIMO Ant 5	Front	0.246	0.352	0.113	0.065	0.173	0.062	0.151	1.01	1.05
		Back	0.202	0.497	0.148	0.085	0.218	0.244	0.170	1.39	1.42

**<5G NR EN-DC>**

WWAN Band	FR1 Band	Exposure Position	1	2	3	4	6	7	9	1+2+3+4+6+7	1+2+4+6+7+9
			WWAN	FR1	2.4GHz WLAN Ant 7	2.4GHz WLAN Ant 6	5GHz WLAN Ant 8	5GHz WLAN Ant 10	Bluetooth Ant 7	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)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)
LTE Band 7Ant 3	FR1 n5Ant 0	Front	0.219	0.084	0.113	0.065	0.173	0.062	0.151	0.72	0.75
		Back	0.313	0.100	0.148	0.085	0.218	0.244	0.170	1.11	1.13
LTE Band 7Ant 3	FR1 n5Ant 1	Front	0.219	0.091	0.113	0.065	0.173	0.062	0.151	0.72	0.76
		Back	0.313	0.120	0.148	0.085	0.218	0.244	0.170	1.13	1.15
LTE Band 7Ant 6	FR1 n5Ant 0	Front	0.136	0.084	0.113	0.065	0.173	0.062	0.151	0.63	0.67
		Back	0.206	0.100	0.148	0.085	0.218	0.244	0.170	1.00	1.02
LTE Band 7Ant 6	FR1 n5Ant 1	Front	0.136	0.091	0.113	0.065	0.173	0.062	0.151	0.64	0.68
		Back	0.206	0.120	0.148	0.085	0.218	0.244	0.170	1.02	1.04

WWAN Band	FR1 Band	Exposure Position	1	2	3	4	6	7	9	1+2+3+4+6+7	1+2+4+6+7+9
			WWAN	FR1	2.4GHz WLAN Ant 7	2.4GHz WLAN Ant 6	5GHz WLAN Ant 8	5GHz WLAN Ant 10	Bluetooth Ant 7	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)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)
LTE Band 5Ant 0	FR1 n7Ant 3	Front	0.080	0.113	0.113	0.065	0.173	0.062	0.151	0.61	0.64
		Back	0.105	0.161	0.148	0.085	0.218	0.244	0.170	0.96	0.98
LTE Band 5Ant 0	FR1 n7Ant 6	Front	0.080	0.145	0.113	0.065	0.173	0.062	0.151	0.64	0.68
		Back	0.105	0.209	0.148	0.085	0.218	0.244	0.170	1.01	1.03
LTE Band 5Ant 1	FR1 n7Ant 3	Front	0.116	0.113	0.113	0.065	0.173	0.062	0.151	0.64	0.68
		Back	0.168	0.161	0.148	0.085	0.218	0.244	0.170	1.02	1.05
LTE Band 5Ant 1	FR1 n7Ant 6	Front	0.116	0.145	0.113	0.065	0.173	0.062	0.151	0.67	0.71
		Back	0.168	0.209	0.148	0.085	0.218	0.244	0.170	1.07	1.09
LTE Band 66Ant 4	FR1 n7Ant 3	Front	0.158	0.113	0.113	0.065	0.173	0.062	0.151	0.68	0.72
		Back	0.179	0.161	0.148	0.085	0.218	0.244	0.170	1.04	1.06
LTE Band 66Ant 4	FR1 n7Ant 6	Front	0.158	0.145	0.113	0.065	0.173	0.062	0.151	0.72	0.75
		Back	0.179	0.209	0.148	0.085	0.218	0.244	0.170	1.08	1.11
LTE Band 66Ant 5	FR1 n7Ant 3	Front		0.113	0.113	0.065	0.173	0.062	0.151	0.53	0.56
		Back		0.161	0.148	0.085	0.218	0.244	0.170	0.86	0.88
LTE Band 66Ant 5	FR1 n7Ant 6	Front		0.145	0.113	0.065	0.173	0.062	0.151	0.56	0.60
		Back		0.209	0.148	0.085	0.218	0.244	0.170	0.90	0.93

WWAN Band	FR1 Band	Exposure Position	1	2	3	4	6	7	9	1+2+3+4+6+7	1+2+4+6+7+9
			WWAN	FR1	2.4GHz WLAN Ant 7	2.4GHz WLAN Ant 6	5GHz WLAN Ant 8	5GHz WLAN Ant 10	Bluetooth Ant 7	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)	Estimated 1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)
LTE Band 25Ant 3	FR1 n41Ant 5	Front	0.332	0.181	0.113	0.065	0.173	0.062	0.151	0.93	0.96
		Back	0.314	0.266	0.148	0.085	0.218	0.244	0.170	1.28	1.30
LTE Band 25Ant 4	FR1 n41Ant 5	Front	0.170	0.181	0.113	0.065	0.173	0.062	0.151	0.76	0.80
		Back	0.187	0.266	0.148	0.085	0.218	0.244	0.170	1.15	1.17
LTE Band 26Ant 0	FR1 n41Ant 5	Front	0.086	0.181	0.113	0.065	0.173	0.062	0.151	0.68	0.72
		Back	0.114	0.266	0.148	0.085	0.218	0.244	0.170	1.08	1.10
LTE Band 26Ant 1	FR1 n41Ant 5	Front	0.133	0.181	0.113	0.065	0.173	0.062	0.151	0.73	0.77
		Back	0.149	0.266	0.148	0.085	0.218	0.244	0.170	1.11	1.13

WWAN Band	FR1 Band	Exposure Position	1	2	3	4	6	7	9	1+2+3+4+6+7	1+2+4+6+7+9
			WWAN	FR1	2.4GHz WLAN Ant 7	2.4GHz WLAN Ant 6	5GHz WLAN Ant 8	5GHz WLAN Ant 10	Bluetooth Ant 7	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)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)
LTE Band 7Ant 4	FR1 n66Ant 3	Front	0.202	0.103	0.113	0.065	0.173	0.062	0.151	0.72	0.76
		Back	0.158	0.094	0.148	0.085	0.218	0.244	0.170	0.95	0.97
LTE Band 7Ant 4	FR1 n66Ant 6	Front	0.202	0.094	0.113	0.065	0.173	0.062	0.151	0.71	0.75
		Back	0.158	0.143	0.148	0.085	0.218	0.244	0.170	1.00	1.02
LTE Band 7Ant 5	FR1 n66Ant 3	Front	0.197	0.103	0.113	0.065	0.173	0.062	0.151	0.71	0.75
		Back	0.276	0.094	0.148	0.085	0.218	0.244	0.170	1.07	1.09
LTE Band 7Ant 5	FR1 n66Ant 6	Front	0.197	0.094	0.113	0.065	0.173	0.062	0.151	0.70	0.74
		Back	0.276	0.143	0.148	0.085	0.218	0.244	0.170	1.11	1.14

**<Inter UL CA>**

WWAN Band	Exposure Position	1	2	3	4	6	7	9	1+2+3+4+6+7	1+2+4+6+7+9
		WWAN	LTE B7 Ant 3	2.4GHz WLAN Ant 7	2.4GHz WLAN Ant 6	5GHz WLAN Ant 8	5GHz WLAN Ant 10	Bluetooth Ant 7	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)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)
LTE Band 2_ Inter-CA Ant 4	Front	0.312	0.219	0.113	0.065	0.173	0.062	0.151	0.94	0.98
	Back	0.493	0.313	0.148	0.085	0.218	0.244	0.170	1.50	1.52
LTE Band 2_ Inter-CA Ant 5	Front	0.124	0.219	0.113	0.065	0.173	0.062	0.151	0.76	0.79
	Back	0.191	0.313	0.148	0.085	0.218	0.244	0.170	1.20	1.22

WWAN Band	Exposure Position	1	2	3	4	6	7	9	1+2+3+4+6+7	1+2+4+6+7+9
		WWAN	LTE B7 Ant 6	2.4GHz WLAN Ant 7	2.4GHz WLAN Ant 6	5GHz WLAN Ant 8	5GHz WLAN Ant 10	Bluetooth Ant 7	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)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)
LTE Band 2_ Inter-CA Ant 4	Front	0.312	0.146	0.113	0.065	0.173	0.062	0.151	0.87	0.91
	Back	0.493	0.293	0.148	0.085	0.218	0.244	0.170	1.48	1.50
LTE Band 2_ Inter-CA Ant 5	Front	0.124	0.146	0.113	0.065	0.173	0.062	0.151	0.68	0.72
	Back	0.191	0.293	0.148	0.085	0.218	0.244	0.170	1.18	1.20



17.4 Product Specific Exposure Conditions

WWAN Band	Exposure Position	1	6	7	1+6+7
		WWAN	5GHz WLAN Ant 8	5GHz WLAN Ant 10	Summed
		10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)
WCDMA IV Ant 3	Front		0.870	0.149	1.02
	Back		0.385	1.498	1.88
	Left side		0.042	0.364	0.41
	Right side		0.190	0.060	0.25
	Top side	1.033	0.768	0.037	1.84
	Bottom side				0.00
WCDMA II Ant 3	Front		0.870	0.149	1.02
	Back		0.385	1.498	1.88
	Left side		0.042	0.364	0.41
	Right side		0.190	0.060	0.25
	Top side	0.672	0.768	0.037	1.48
	Bottom side				0.00
LTE Band 66 Ant 3	Front		0.870	0.149	1.02
	Back		0.385	1.498	1.88
	Left side		0.042	0.364	0.41
	Right side		0.190	0.060	0.25
	Top side	1.053	0.768	0.037	1.86
	Bottom side				0.00
LTE Band 25 Ant 3	Front		0.870	0.149	1.02
	Back		0.385	1.498	1.88
	Left side		0.042	0.364	0.41
	Right side		0.190	0.060	0.25
	Top side	0.863	0.768	0.037	1.67
	Bottom side				0.00
LTE Band 7 Ant 3	Front		0.870	0.149	1.02
	Back		0.385	1.498	1.88
	Left side		0.042	0.364	0.41
	Right side		0.190	0.060	0.25
	Top side	1.351	0.768	0.037	2.16
	Bottom side				0.00
LTE Band 38 Ant 3	Front		0.870	0.149	1.02
	Back		0.385	1.498	1.88
	Left side		0.042	0.364	0.41
	Right side		0.190	0.060	0.25
	Top side	1.181	0.768	0.037	1.99
	Bottom side				0.00
LTE Band 41-PC2 Ant 3	Front		0.870	0.149	1.02
	Back		0.385	1.498	1.88
	Left side		0.042	0.364	0.41
	Right side		0.190	0.060	0.25
	Top side	0.914	0.768	0.037	1.72
	Bottom side				0.00
FR1 n2 Ant 3	Front		0.870	0.149	1.02
	Back		0.385	1.498	1.88
	Left side		0.042	0.364	0.41
	Right side		0.190	0.060	0.25
	Top side	0.873	0.768	0.037	1.68
	Bottom side				0.00
FR1 n7 Ant 3	Front		0.870	0.149	1.02
	Back	0.819	0.385	1.498	2.70
	Left side		0.042	0.364	0.41





	Right side		0.190	0.060	0.25
	Top side	0.997	0.768	0.037	1.80
	Bottom side				0.00
FR1 n41Ant 3	Front		0.870	0.149	1.02
	Back		0.385	1.498	1.88
	Left side		0.042	0.364	0.41
	Right side		0.190	0.060	0.25
	Top side	1.155	0.768	0.037	1.96
	Bottom side				0.00

WWAN Band	Exposure Position	1	6	7	1+6+7
		WWAN	5GHz WLAN Ant 8	5GHz WLAN Ant 10	Summed
		10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)
WCDMA IVAnt 4	Front		0.870	0.149	1.02
	Back		0.385	1.498	1.88
	Left side		0.042	0.364	0.41
	Right side		0.190	0.060	0.25
	Top side		0.768	0.037	0.81
	Bottom side	0.857			0.86
WCDMA IIAnt 4	Front		0.870	0.149	1.02
	Back		0.385	1.498	1.88
	Left side		0.042	0.364	0.41
	Right side		0.190	0.060	0.25
	Top side		0.768	0.037	0.81
	Bottom side	1.118			1.12
LTE Band 66Ant 4	Front		0.870	0.149	1.02
	Back		0.385	1.498	1.88
	Left side		0.042	0.364	0.41
	Right side		0.190	0.060	0.25
	Top side		0.768	0.037	0.81
	Bottom side	1.056			1.06
FR1 n66Ant 4	Front	1.704	0.870	0.149	2.72
	Back	1.391	0.385	1.498	3.27
	Left side		0.042	0.364	0.41
	Right side		0.190	0.060	0.25
	Top side		0.768	0.037	0.81
	Bottom side	1.030			1.03
FR1 n2Ant 4	Front		0.870	0.149	1.02
	Back		0.385	1.498	1.88
	Left side		0.042	0.364	0.41
	Right side		0.190	0.060	0.25
	Top side		0.768	0.037	0.81
	Bottom side	1.377			1.38

Test Engineer : Nick Hu, Seven Xu, Bruce Li



## **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 DASY System Handbook
- [5] FCC KDB 248227 D01 v02r02, "SAR Guidance for IEEE 802.11 (WiFi) Transmitters", Oct 2015.
- [6] FCC KDB 447498 D01 v06, "Mobile and Portable Device RF Exposure Procedures and Equipment Authorization Policies", Oct 2015
- [7] FCC KDB 648474 D04 v01r03, "SAR Evaluation Considerations for Wireless Handsets", Oct 2015.
- [8] FCC KDB 941225 D01 v03r01, "3G SAR MEAUREMENT PROCEDURES", Oct 2015
- [9] FCC KDB 941225 D05 v02r05, "SAR Evaluation Considerations for LTE Devices", Dec 2015
- [10] FCC KDB 941225 D05A v01r02, "Rel. 10 LTE SAR Test Guidance and KDB Inquiries", Oct 2015
- [11] FCC KDB 941225 D06 v02r01, "SAR Evaluation Procedures for Portable Devices with Wireless Router Capabilities", Oct 2015.
- [12] FCC KDB 941225 D07 v01r02, " SAR Evaluation Procedures for UMPC Mini-Tablet Devices", Oct 2015.
- [13] FCC KDB 865664 D01 v01r04, "SAR Measurement Requirements for 100 MHz to 6 GHz", Aug 2015.
- [14] FCC KDB 865664 D02 v01r02, "RF Exposure Compliance Reporting and Documentation Considerations" Oct 2015.



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

The plots are shown as follows.

## System Check\_Head\_750MHz

**DUT: D750V3-SN:1099**

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

Medium: HSL\_750\_211026 Medium parameters used:  $f = 750$  MHz;  $\sigma = 0.879$  S/m;  $\epsilon_r = 40.957$ ;  $\rho = 1000$  kg/m<sup>3</sup>

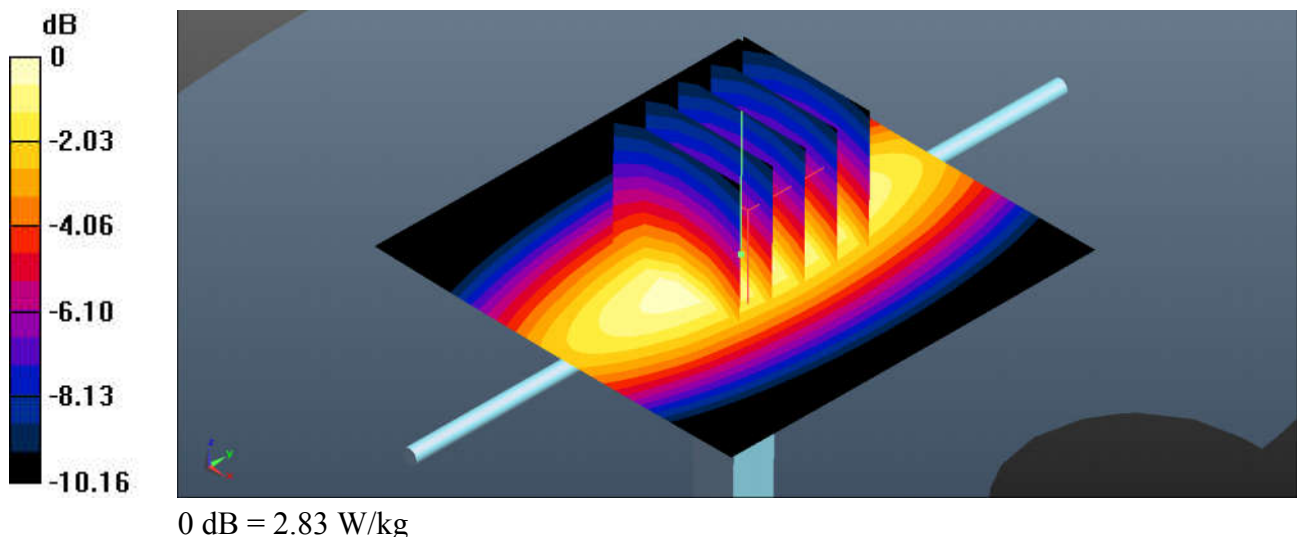
Ambient Temperature : 23.6 °C; Liquid Temperature : 22.3 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3975; ConvF(10.04, 10.04, 10.04); Calibrated: 2021/6/7
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1386; Calibrated: 2021/1/13
- Phantom: SAM with CRP v5.0(Front); Type: QD000P40CD; Serial: TP-1671
- Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

**Pin=250mW/Area Scan (61x61x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm  
Maximum value of SAR (interpolated) = 2.83 W/kg

**Pin=250mW/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Reference Value = 58.65 V/m; Power Drift = -0.15 dB  
Peak SAR (extrapolated) = 3.26 W/kg  
**SAR(1 g) = 2.13 W/kg; SAR(10 g) = 1.42 W/kg**  
Maximum value of SAR (measured) = 2.83 W/kg





## System Check\_Head\_750MHz

**DUT: D750V3-SN:1099**

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

Medium: HSL\_750\_211028 Medium parameters used:  $f = 750 \text{ MHz}$ ;  $\sigma = 0.894 \text{ S/m}$ ;  $\epsilon_r = 41.019$ ;  $\rho = 1000 \text{ kg/m}^3$

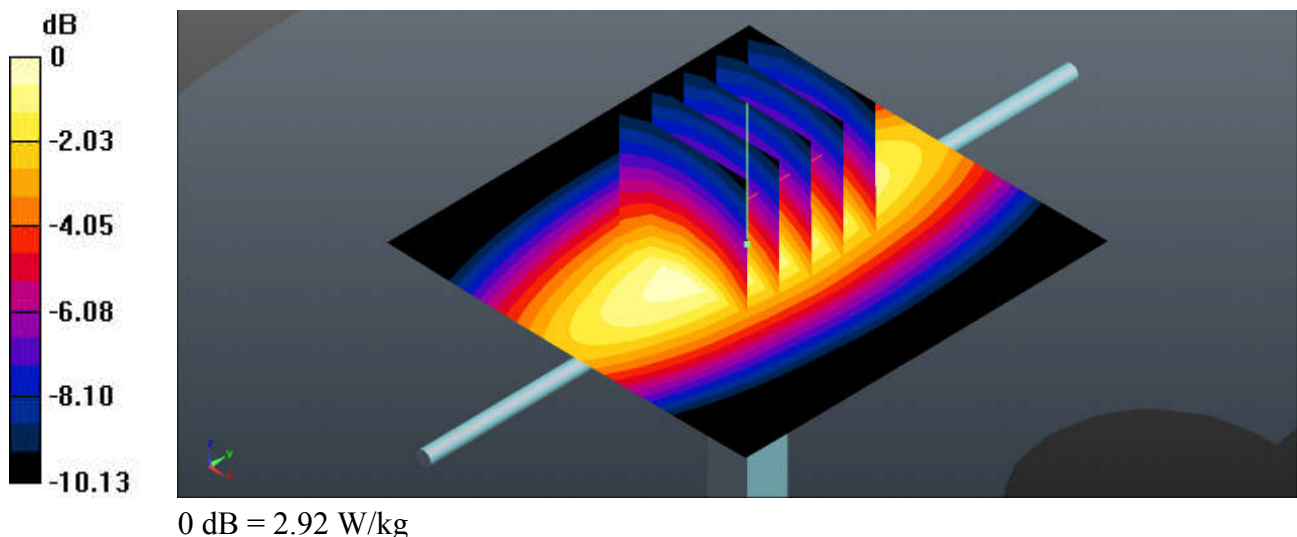
Ambient Temperature :  $23.8 \text{ }^\circ\text{C}$ ; Liquid Temperature :  $22.5 \text{ }^\circ\text{C}$

DASY5 Configuration:

- Probe: EX3DV4 - SN3975; ConvF(10.04, 10.04, 10.04); Calibrated: 2021/6/7
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1386; Calibrated: 2021/1/13
- Phantom: SAM with CRP v5.0(Front); Type: QD000P40CD; Serial: TP-1671
- Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

**Pin=250mW/Area Scan (61x61x1):** Interpolated grid:  $dx=1.500 \text{ mm}$ ,  $dy=1.500 \text{ mm}$   
Maximum value of SAR (interpolated) =  $2.90 \text{ W/kg}$

**Pin=250mW/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$   
Reference Value =  $58.83 \text{ V/m}$ ; Power Drift =  $-0.05 \text{ dB}$   
Peak SAR (extrapolated) =  $3.33 \text{ W/kg}$   
**SAR(1 g) =  $2.17 \text{ W/kg}$ ; SAR(10 g) =  $1.44 \text{ W/kg}$**   
Maximum value of SAR (measured) =  $2.92 \text{ W/kg}$



## System Check\_Head\_835MHz

**DUT: D835V2-SN:4d162**

Communication System: UID 0, CW; Frequency: 835 MHz; Duty Cycle: 1:1

Medium: HSL\_835\_211027 Medium parameters used:  $f = 835$  MHz;  $\sigma = 0.917$  S/m;  $\epsilon_r = 40.748$ ;  $\rho = 1000$  kg/m<sup>3</sup>

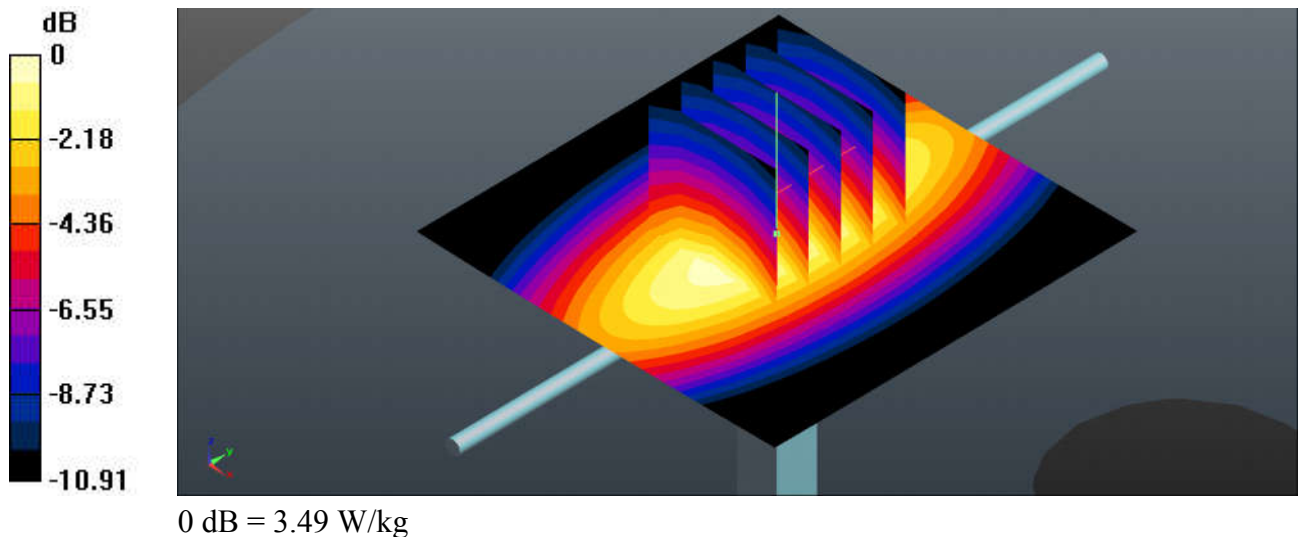
Ambient Temperature : 23.8 °C; Liquid Temperature : 22.6 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3975; ConvF(9.54, 9.54, 9.54); Calibrated: 2021/6/7
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1386; Calibrated: 2021/1/13
- Phantom: SAM with CRP v5.0(Front); Type: QD000P40CD; Serial: TP-1671
- Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

**Pin=250mW/Area Scan (61x61x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm  
Maximum value of SAR (interpolated) = 3.45 W/kg

**Pin=250mW/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Reference Value = 63.34 V/m; Power Drift = -0.08 dB  
Peak SAR (extrapolated) = 4.03 W/kg  
**SAR(1 g) = 2.54 W/kg; SAR(10 g) = 1.65 W/kg**  
Maximum value of SAR (measured) = 3.49 W/kg



## System Check\_Head\_835MHz

**DUT: D835V2-SN:4d162**

Communication System: UID 0, CW; Frequency: 835 MHz; Duty Cycle: 1:1

Medium: HSL\_835\_211105 Medium parameters used:  $f = 835$  MHz;  $\sigma = 0.902$  S/m;  $\epsilon_r = 40.749$ ;  $\rho = 1000$  kg/m<sup>3</sup>

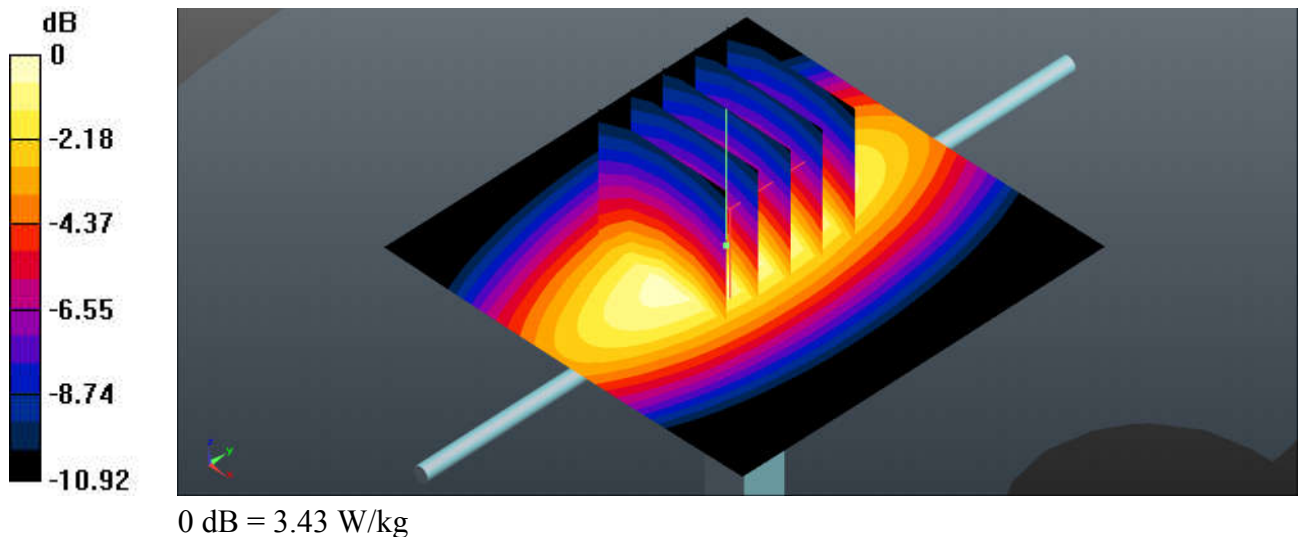
Ambient Temperature : 23.3 °C; Liquid Temperature : 22.1 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3975; ConvF(9.54, 9.54, 9.54); Calibrated: 2021/6/7
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1386; Calibrated: 2021/1/13
- Phantom: SAM with CRP v5.0(Front); Type: QD000P40CD; Serial: TP-1671
- Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

**Pin=250mW/Area Scan (61x61x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm  
Maximum value of SAR (interpolated) = 3.46 W/kg

**Pin=250mW/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Reference Value = 62.88 V/m; Power Drift = 0.04 dB  
Peak SAR (extrapolated) = 3.97 W/kg  
**SAR(1 g) = 2.53 W/kg; SAR(10 g) = 1.65 W/kg**  
Maximum value of SAR (measured) = 3.43 W/kg



## System Check\_Head\_1750MHz

**DUT: D1750V2-SN:1090**

Communication System: UID 0, CW; Frequency: 1750 MHz; Duty Cycle: 1:1

Medium: HSL\_1750\_211108 Medium parameters used:  $f = 1750$  MHz;  $\sigma = 1.377$  S/m;  $\epsilon_r = 41.359$ ;  $\rho = 1000$  kg/m<sup>3</sup>

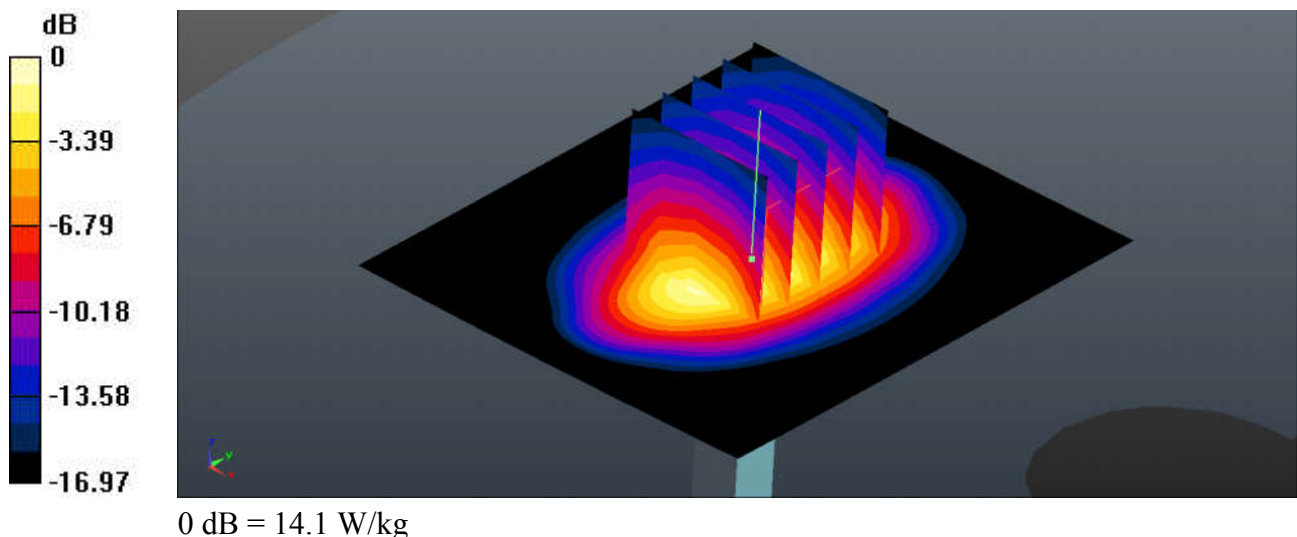
Ambient Temperature : 23.8 °C; Liquid Temperature : 22.6 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3975; ConvF(8.38, 8.38, 8.38); Calibrated: 2021/6/7
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1386; Calibrated: 2021/1/13
- Phantom: SAM with CRP v5.0(Front); Type: QD000P40CD; Serial: TP-1671
- Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

**Pin=250mW/Area Scan (61x71x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm  
Maximum value of SAR (interpolated) = 15.7 W/kg

**Pin=250mW/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Reference Value = 105.3 V/m; Power Drift = -0.19 dB  
Peak SAR (extrapolated) = 17.2 W/kg  
**SAR(1 g) = 9.67 W/kg; SAR(10 g) = 5.17 W/kg**  
Maximum value of SAR (measured) = 14.1 W/kg



## System Check\_Head\_1750MHz

**DUT: D1750V2-SN:1090**

Communication System: UID 0, CW; Frequency: 1750 MHz; Duty Cycle: 1:1

Medium: HSL\_1750\_211113 Medium parameters used:  $f = 1750$  MHz;  $\sigma = 1.383$  S/m;  $\epsilon_r = 40.015$ ;  $\rho = 1000$  kg/m<sup>3</sup>

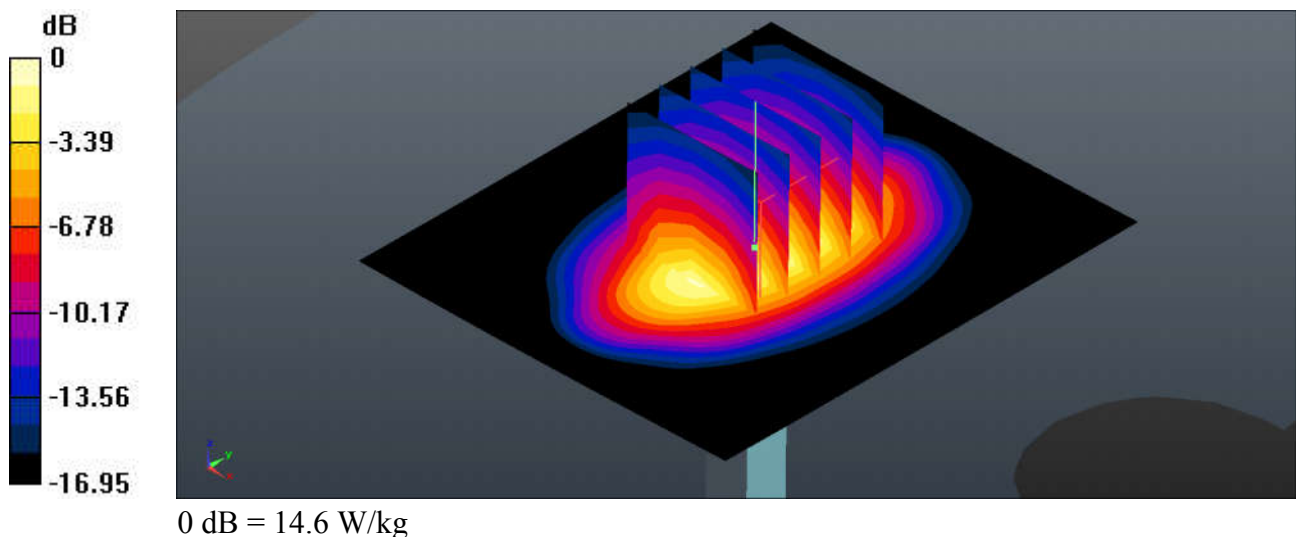
Ambient Temperature : 23.7 °C; Liquid Temperature : 22.8 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3975; ConvF(8.38, 8.38, 8.38); Calibrated: 2021/6/7
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1386; Calibrated: 2021/1/13
- Phantom: SAM with CRP v5.0(Front); Type: QD000P40CD; Serial: TP-1671
- Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

**Pin=250mW/Area Scan (61x71x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm  
Maximum value of SAR (interpolated) = 15.8 W/kg

**Pin=250mW/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Reference Value = 120.1 V/m; Power Drift = -0.15 dB  
Peak SAR (extrapolated) = 17.9 W/kg  
**SAR(1 g) = 9.71 W/kg; SAR(10 g) = 5.2 W/kg**  
Maximum value of SAR (measured) = 14.6 W/kg



## System Check\_Head\_1900MHz

**DUT: D1900V2-SN:5d182**

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

Medium: HSL\_1900\_211105 Medium parameters used:  $f = 1900$  MHz;  $\sigma = 1.448$  S/m;  $\epsilon_r = 39$ ;  $\rho = 1000$  kg/m<sup>3</sup>

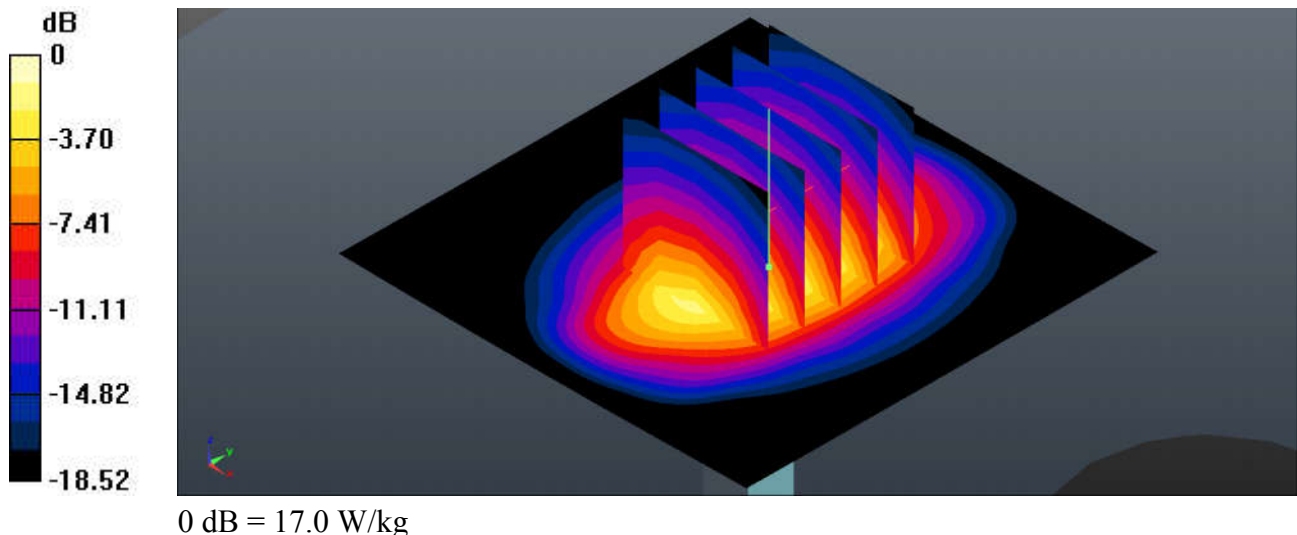
Ambient Temperature : 23.8 °C; Liquid Temperature : 22.9 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3975; ConvF(7.92, 7.92, 7.92); Calibrated: 2021/6/7
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1386; Calibrated: 2021/1/13
- Phantom: SAM with CRP v5.0(Front); Type: QD000P40CD; Serial: TP-1671
- Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

**Pin=250mW/Area Scan (61x61x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm  
Maximum value of SAR (interpolated) = 16.4 W/kg

**Pin=250mW/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Reference Value = 118.1 V/m; Power Drift = -0.12 dB  
Peak SAR (extrapolated) = 23.5 W/kg  
**SAR(1 g) = 10.7 W/kg; SAR(10 g) = 5.51 W/kg**  
Maximum value of SAR (measured) = 17.0 W/kg





## System Check\_Head\_1900MHz

**DUT: D1900V2-SN:5d182**

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

Medium: HSL\_1900\_211116 Medium parameters used:  $f = 1900$  MHz;  $\sigma = 1.44$  S/m;  $\epsilon_r = 40.038$ ;  $\rho = 1000$  kg/m<sup>3</sup>

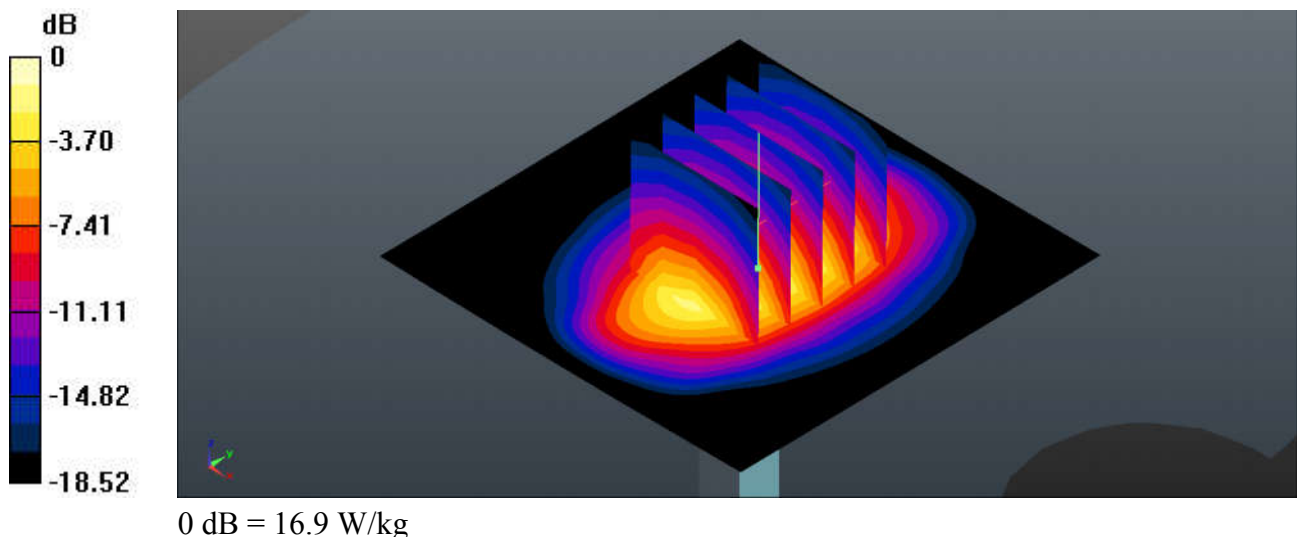
Ambient Temperature : 23.5 °C; Liquid Temperature : 22.4 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3975; ConvF(7.92, 7.92, 7.92); Calibrated: 2021/6/7
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1386; Calibrated: 2021/1/13
- Phantom: SAM with CRP v5.0(Front); Type: QD000P40CD; Serial: TP-1671
- Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

**Pin=250mW/Area Scan (61x61x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm  
Maximum value of SAR (interpolated) = 16.3 W/kg

**Pin=250mW/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Reference Value = 105.8 V/m; Power Drift = -0.08 dB  
Peak SAR (extrapolated) = 20.2 W/kg  
**SAR(1 g) = 10.3 W/kg; SAR(10 g) = 5.48 W/kg**  
Maximum value of SAR (measured) = 16.9 W/kg



## System Check\_Head\_2450MHz

**DUT: D2450V2-SN:924**

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

Medium: HSL\_2450\_211106 Medium parameters used:  $f = 2450$  MHz;  $\sigma = 1.829$  S/m;  $\epsilon_r = 40.081$ ;  $\rho = 1000$  kg/m<sup>3</sup>

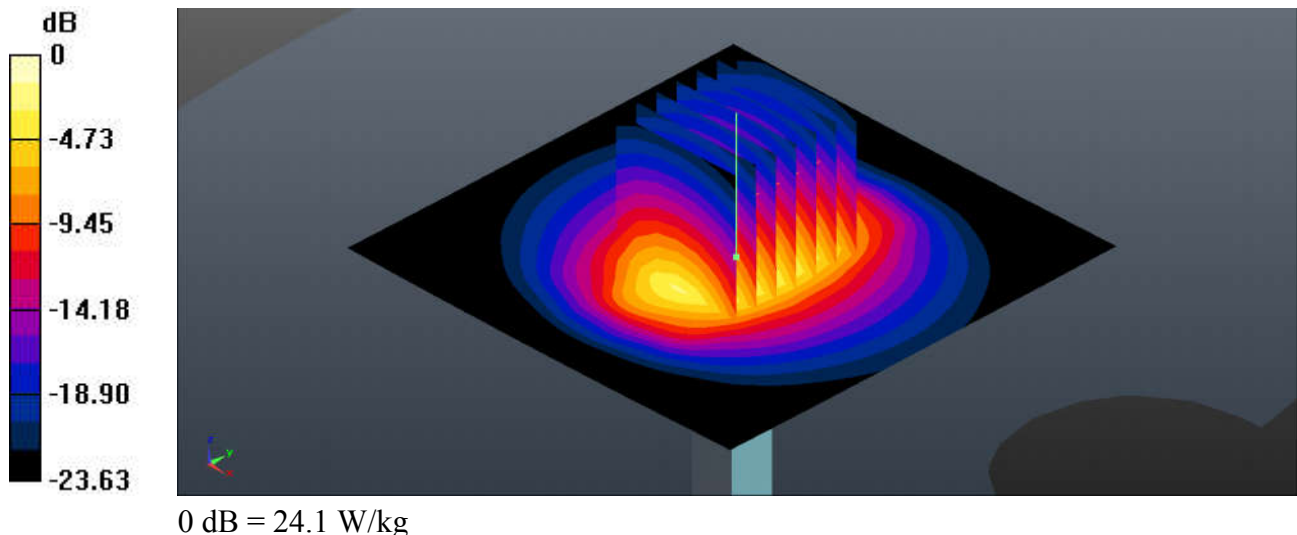
Ambient Temperature : 23.4 °C; Liquid Temperature : 22.3 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3975; ConvF(7.6, 7.6, 7.6); Calibrated: 2021/6/7
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1386; Calibrated: 2021/1/13
- Phantom: SAM with CRP v5.0(Front); Type: QD000P40CD; Serial: TP-1671
- Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

**Pin=250mW/Area Scan (81x81x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm  
Maximum value of SAR (interpolated) = 23.0 W/kg

**Pin=250mW/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm  
Reference Value = 132.5 V/m; Power Drift = 0.14 dB  
Peak SAR (extrapolated) = 30.6 W/kg  
**SAR(1 g) = 13.5 W/kg; SAR(10 g) = 6.11 W/kg**  
Maximum value of SAR (measured) = 24.1 W/kg



## System Check\_Head\_2450MHz

**DUT: D2450V2-SN:924**

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

Medium: HSL\_2450\_211109 Medium parameters used:  $f = 2450$  MHz;  $\sigma = 1.823$  S/m;  $\epsilon_r = 37.953$ ;  $\rho = 1000$  kg/m<sup>3</sup>

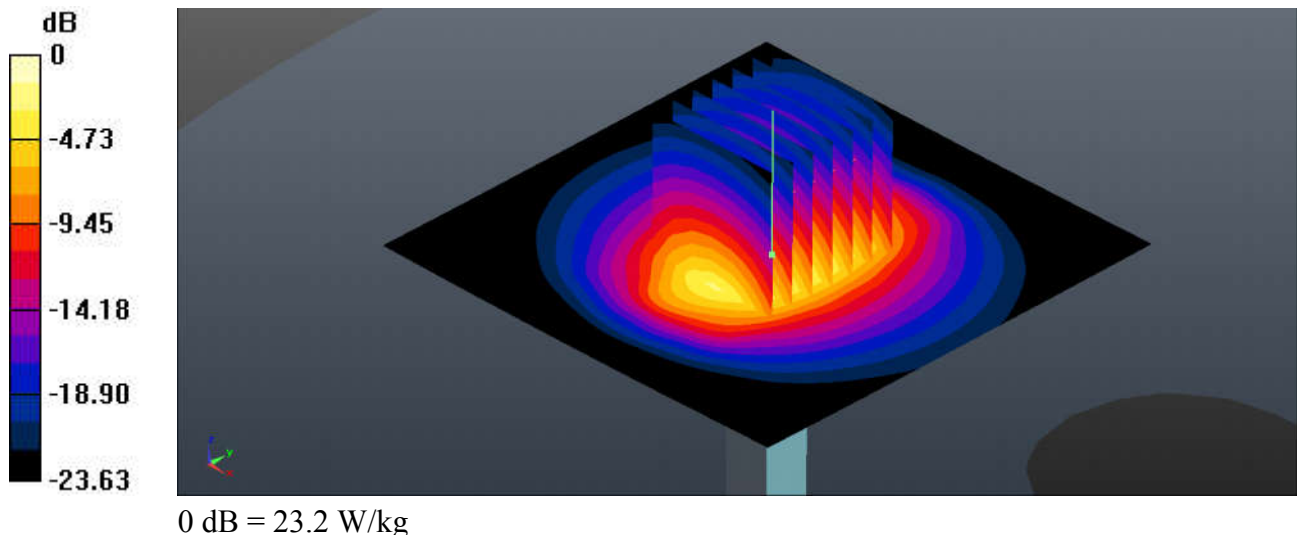
Ambient Temperature : 23.1 °C; Liquid Temperature : 22.2 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3975; ConvF(7.6, 7.6, 7.6); Calibrated: 2021/6/7
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1386; Calibrated: 2021/1/13
- Phantom: SAM with CRP v5.0(Front); Type: QD000P40CD; Serial: TP-1671
- Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

**Pin=250mW/Area Scan (81x81x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm  
Maximum value of SAR (interpolated) = 22.9 W/kg

**Pin=250mW/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm  
Reference Value = 113.5 V/m; Power Drift = -0.13 dB  
Peak SAR (extrapolated) = 29.2 W/kg  
**SAR(1 g) = 12.9 W/kg; SAR(10 g) = 6.02 W/kg**  
Maximum value of SAR (measured) = 23.2 W/kg



## System Check\_Head\_2600MHz

**DUT: D2600V2-SN:1070**

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

Medium: HSL\_2600\_211029 Medium parameters used:  $f = 2600$  MHz;  $\sigma = 2.055$  S/m;  $\epsilon_r = 37.597$ ;  $\rho = 1000$  kg/m<sup>3</sup>

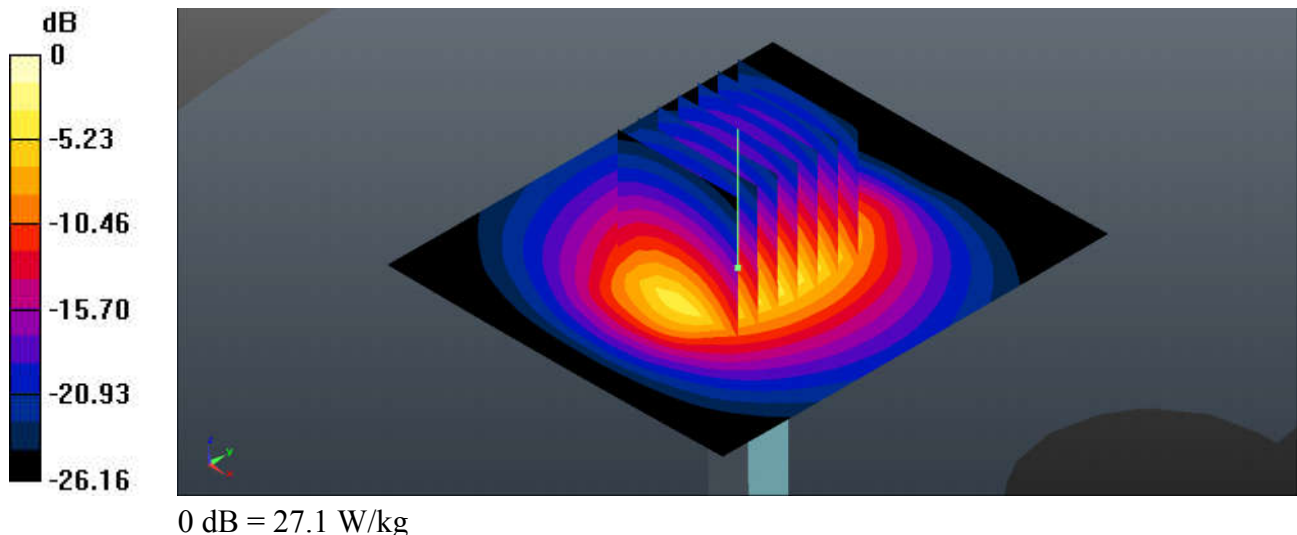
Ambient Temperature : 23.8 °C; Liquid Temperature : 22.4 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3975; ConvF(7.35, 7.35, 7.35); Calibrated: 2021/6/7
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1386; Calibrated: 2021/1/13
- Phantom: SAM with CRP v5.0(Front); Type: QD000P40CD; Serial: TP-1671
- Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

**Pin=250mW/Area Scan (71x81x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm  
Maximum value of SAR (interpolated) = 28.3 W/kg

**Pin=250mW/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm  
Reference Value = 117.7 V/m; Power Drift = -0.18 dB  
Peak SAR (extrapolated) = 34.9 W/kg  
**SAR(1 g) = 15.4 W/kg; SAR(10 g) = 6.68 W/kg**  
Maximum value of SAR (measured) = 27.1 W/kg



## System Check\_Head\_2600MHz

**DUT: D2600V2-SN:1070**

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

Medium: HSL\_2600\_211111 Medium parameters used:  $f = 2600$  MHz;  $\sigma = 2.053$  S/m;  $\epsilon_r = 37.984$ ;  $\rho = 1000$  kg/m<sup>3</sup>

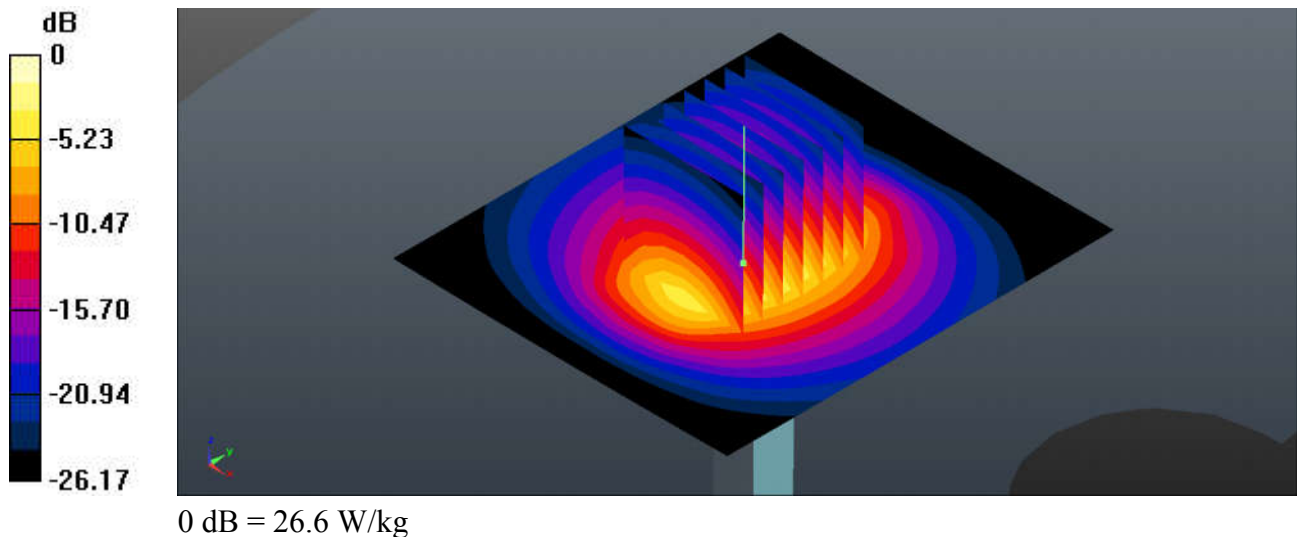
Ambient Temperature : 23.5 °C; Liquid Temperature : 22.9 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3975; ConvF(7.35, 7.35, 7.35); Calibrated: 2021/6/7
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1386; Calibrated: 2021/1/13
- Phantom: SAM with CRP v5.0(Front); Type: QD000P40CD; Serial: TP-1671
- Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

**Pin=250mW/Area Scan (71x81x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm  
Maximum value of SAR (interpolated) = 27.9 W/kg

**Pin=250mW/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm  
Reference Value = 102.5 V/m; Power Drift = -0.02 dB  
Peak SAR (extrapolated) = 36.1 W/kg  
**SAR(1 g) = 14.9 W/kg; SAR(10 g) = 6.87 W/kg**  
Maximum value of SAR (measured) = 26.6 W/kg



## System Check\_Head\_5250MHz

**DUT: D5GHzV2-SN:1113**

Communication System: UID 0, CW; Frequency: 5250 MHz; Duty Cycle: 1:1

Medium: HSL\_5250\_211101 Medium parameters used:  $f = 5250$  MHz;  $\sigma = 4.725$  S/m;  $\epsilon_r = 36.522$ ;  $\rho = 1000$  kg/m<sup>3</sup>

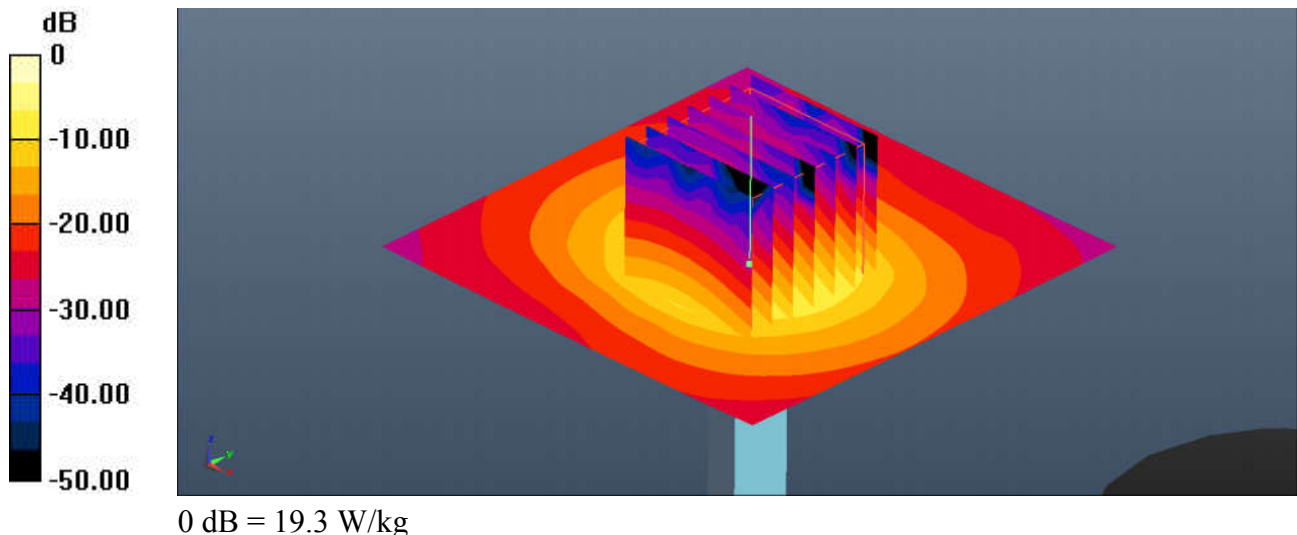
Ambient Temperature : 23.6 °C; Liquid Temperature : 22.8 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3975; ConvF(5.31, 5.31, 5.31); Calibrated: 2021/6/7
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1386; Calibrated: 2021/1/13
- Phantom: SAM with CRP v5.0(Front); Type: QD000P40CD; Serial: TP-1671
- Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

**Pin=100mW/Area Scan (71x71x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm  
Maximum value of SAR (interpolated) = 19.7 W/kg

**Pin=100mW/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm  
Reference Value = 57.29 V/m; Power Drift = -0.18 dB  
Peak SAR (extrapolated) = 27.9 W/kg  
**SAR(1 g) = 8.2 W/kg; SAR(10 g) = 2.36 W/kg**  
Maximum value of SAR (measured) = 19.3 W/kg



## System Check\_Head\_5250MHz

**DUT: D5GHzV2-SN:1113**

Communication System: UID 0, CW; Frequency: 5250 MHz; Duty Cycle: 1:1

Medium: HSL\_5250\_211102 Medium parameters used:  $f = 5250$  MHz;  $\sigma = 4.626$  S/m;  $\epsilon_r = 37.038$ ;  $\rho = 1000$  kg/m<sup>3</sup>

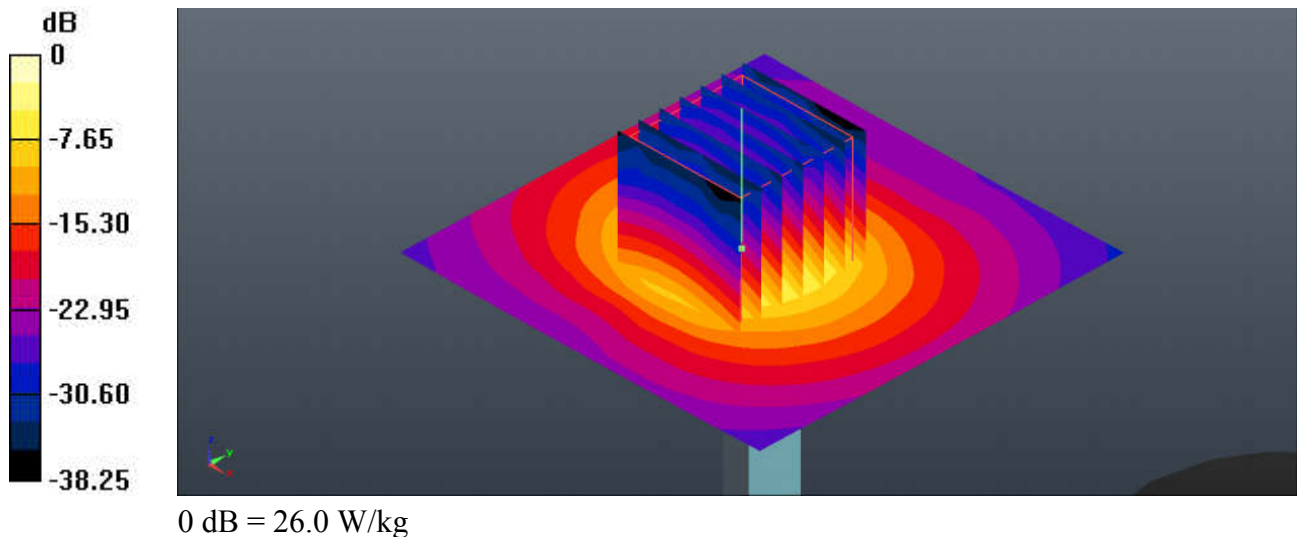
Ambient Temperature : 23.6 °C; Liquid Temperature : 22.8 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3975; ConvF(5.31, 5.31, 5.31); Calibrated: 2021/6/7
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1386; Calibrated: 2021/1/13
- Phantom: SAM with CRP v5.0(Front); Type: QD000P40CD; Serial: TP-1671
- Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

**Pin=100mW/Area Scan (71x71x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm  
Maximum value of SAR (interpolated) = 26.3 W/kg

**Pin=100mW/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm  
Reference Value = 79.87 V/m; Power Drift = 0.15 dB  
Peak SAR (extrapolated) = 51.0 W/kg  
**SAR(1 g) = 8.56 W/kg; SAR(10 g) = 2.42 W/kg**  
Maximum value of SAR (measured) = 26.0 W/kg





## System Check\_Head\_5600MHz

**DUT: D5GHzV2-SN:1113**

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

Medium: HSL\_5600\_211103 Medium parameters used:  $f = 5600$  MHz;  $\sigma = 5.034$  S/m;  $\epsilon_r = 36.508$ ;  $\rho = 1000$  kg/m<sup>3</sup>

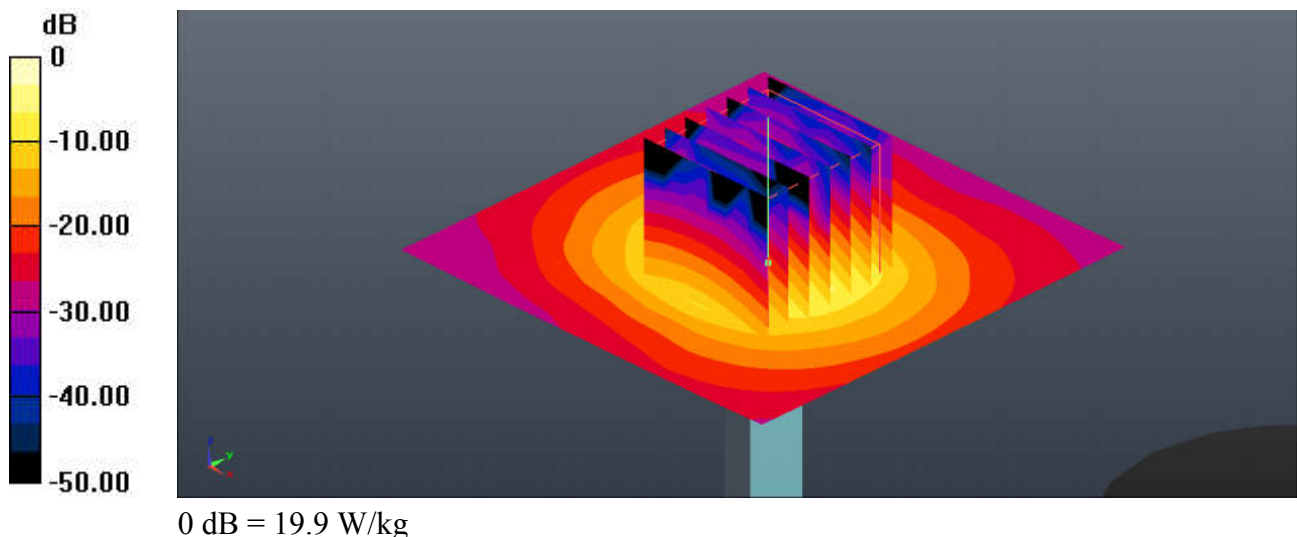
Ambient Temperature : 23.8 °C; Liquid Temperature : 22.6 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3975; ConvF(4.82, 4.82, 4.82); Calibrated: 2021/6/7
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1386; Calibrated: 2021/1/13
- Phantom: SAM with CRP v5.0(Front); Type: QD000P40CD; Serial: TP-1671
- Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

**Pin=100mW/Area Scan (71x71x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm  
Maximum value of SAR (interpolated) = 19.6 W/kg

**Pin=100mW/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm  
Reference Value = 51.56 V/m; Power Drift = -0.10 dB  
Peak SAR (extrapolated) = 33.3 W/kg  
**SAR(1 g) = 7.82 W/kg; SAR(10 g) = 2.32 W/kg**  
Maximum value of SAR (measured) = 19.9 W/kg



## System Check\_Head\_5600MHz

**DUT: D5GHzV2-SN:1113**

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

Medium: HSL\_5600\_211109 Medium parameters used:  $f = 5600$  MHz;  $\sigma = 5.155$  S/m;  $\epsilon_r = 35.916$ ;  $\rho = 1000$  kg/m<sup>3</sup>

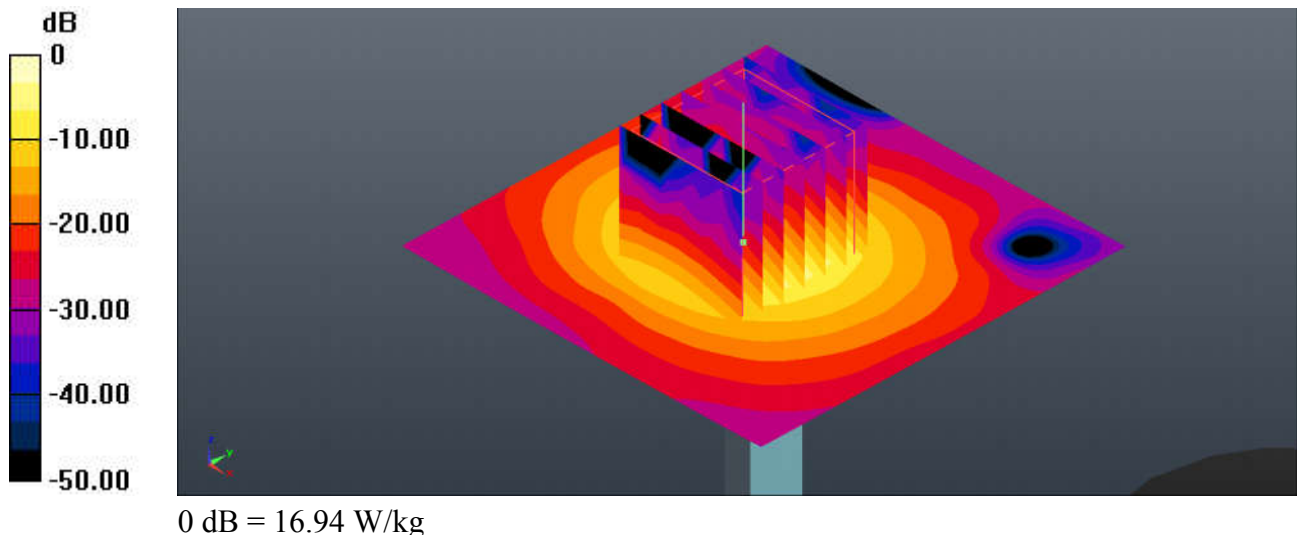
Ambient Temperature : 23.8 °C; Liquid Temperature : 22.7 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3975; ConvF(4.82, 4.82, 4.82); Calibrated: 2021/6/7
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1386; Calibrated: 2021/1/13
- Phantom: SAM with CRP v5.0(Front); Type: QD000P40CD; Serial: TP-1671
- Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

**Pin=100mW/Area Scan (71x71x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm  
Maximum value of SAR (interpolated) = 16.65 W/kg

**Pin=100mW/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm  
Reference Value = 58.41 V/m; Power Drift = 0.15 dB  
Peak SAR (extrapolated) = 44.0 W/kg  
**SAR(1 g) = 8.2 W/kg; SAR(10 g) = 2.53 W/kg**  
Maximum value of SAR (measured) = 16.94 W/kg



## System Check\_Head\_5750MHz

**DUT: D5GHzV2-SN:1113**

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

Medium: HSL\_5750\_211104 Medium parameters used:  $f = 5750$  MHz;  $\sigma = 5.203$  S/m;  $\epsilon_r = 36.253$ ;  $\rho = 1000$  kg/m<sup>3</sup>

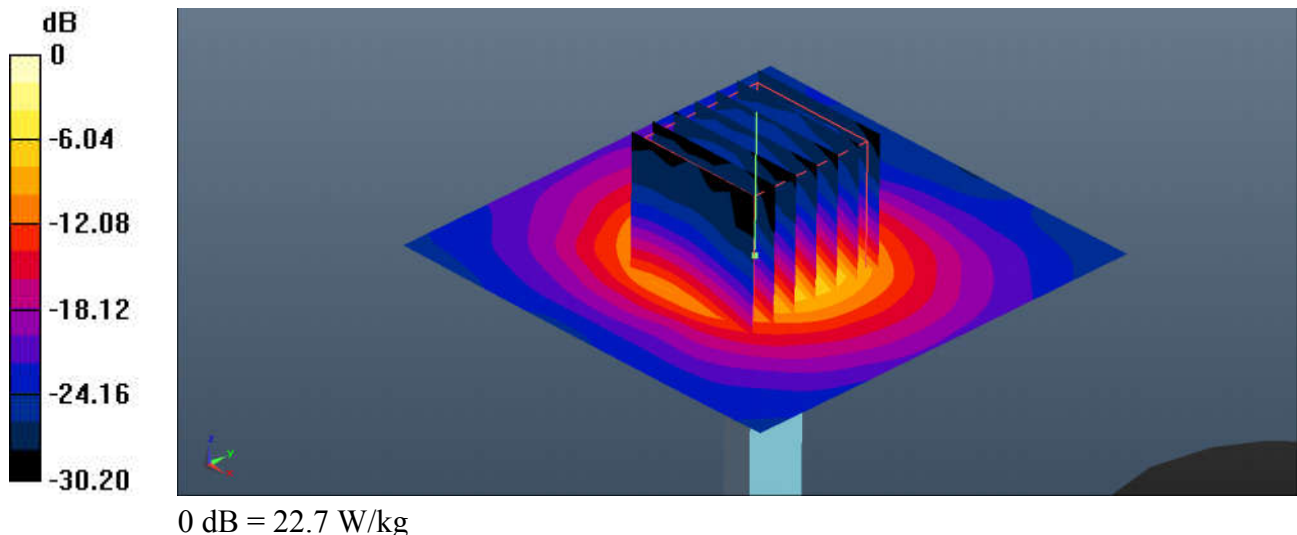
Ambient Temperature : 23.6 °C; Liquid Temperature : 22.7 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3975; ConvF(4.9, 4.9, 4.9); Calibrated: 2021/6/7
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1386; Calibrated: 2021/1/13
- Phantom: SAM with CRP v5.0(Front); Type: QD000P40CD; Serial: TP-1671
- Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

**Pin=100mW/Area Scan (71x71x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm  
Maximum value of SAR (interpolated) = 22.3 W/kg

**Pin=100mW/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm  
Reference Value = 58.31 V/m; Power Drift = 0.19 dB  
Peak SAR (extrapolated) = 38.7 W/kg  
**SAR(1 g) = 8.73 W/kg; SAR(10 g) = 2.41 W/kg**  
Maximum value of SAR (measured) = 22.7 W/kg



## System Check\_Head\_5750MHz

**DUT: D5GHzV2-SN:1113**

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

Medium: HSL\_5750\_211112 Medium parameters used:  $f = 5750$  MHz;  $\sigma = 5.332$  S/m;  $\epsilon_r = 35.643$ ;  $\rho = 1000$  kg/m<sup>3</sup>

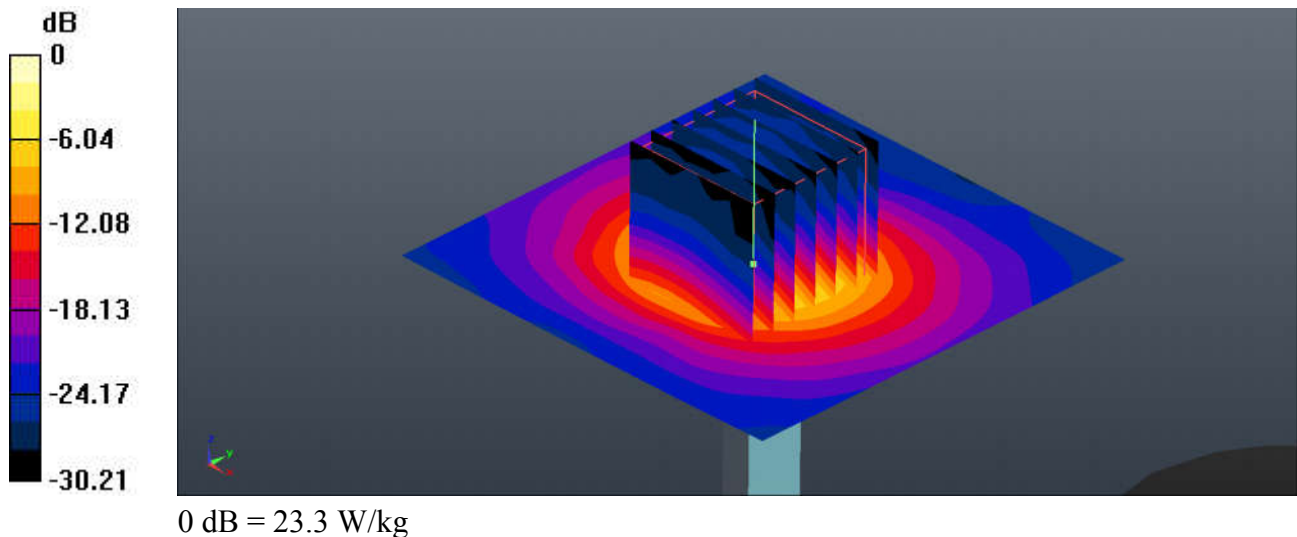
Ambient Temperature : 23.5 °C; Liquid Temperature : 22.3 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3975; ConvF(4.9, 4.9, 4.9); Calibrated: 2021/6/7
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1386; Calibrated: 2021/1/13
- Phantom: SAM with CRP v5.0(Front); Type: QD000P40CD; Serial: TP-1671
- Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

**Pin=100mW/Area Scan (71x71x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm  
Maximum value of SAR (interpolated) = 22.8 W/kg

**Pin=100mW/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm  
Reference Value = 56.18 V/m; Power Drift = -0.11 dB  
Peak SAR (extrapolated) = 39.7 W/kg  
**SAR(1 g) = 8.35 W/kg; SAR(10 g) = 2.27 W/kg**  
Maximum value of SAR (measured) = 23.3 W/kg





**Appendix B. Plots of SAR Measurement**

The plots are shown as follows.

## 01\_GSM850\_GPRS(3 Tx slots)\_Left Cheek\_Ch189

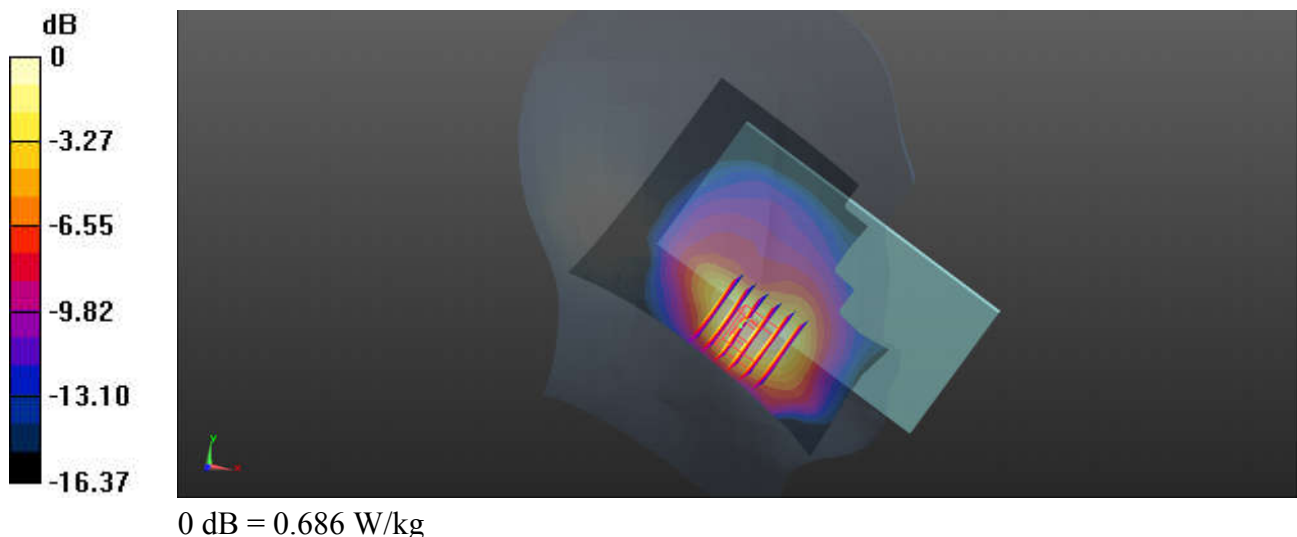
Communication System: UID 0, GPRS/EDGE11 (0); Frequency: 836.4 MHz; Duty Cycle: 1:2.77  
Medium: HSL\_835\_211027 Medium parameters used:  $f = 836.4$  MHz;  $\sigma = 0.919$  S/m;  $\epsilon_r = 40.738$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Ambient Temperature : 23.8 °C; Liquid Temperature : 22.6 °C

### DASY5 Configuration:

- Probe: EX3DV4 - SN3975; ConvF(9.54, 9.54, 9.54); Calibrated: 2021/6/7
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1386; Calibrated: 2021/1/13
- Phantom: SAM with CRP v5.0(Front); Type: QD000P40CD; Serial: TP-1671
- Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

**Ch189/Area Scan (81x111x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm  
Maximum value of SAR (interpolated) = 0.686 W/kg

**Ch189/Zoom Scan (6x6x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Reference Value = 0 V/m; Power Drift = 0.11 dB  
Peak SAR (extrapolated) = 1.23 W/kg  
**SAR(1 g) = 0.583 W/kg; SAR(10 g) = 0.312 W/kg**  
Maximum value of SAR (measured) = 0.966 W/kg



## 02\_GSM1900\_GPRS(4 Tx slots)\_Right Tilted\_Ch512

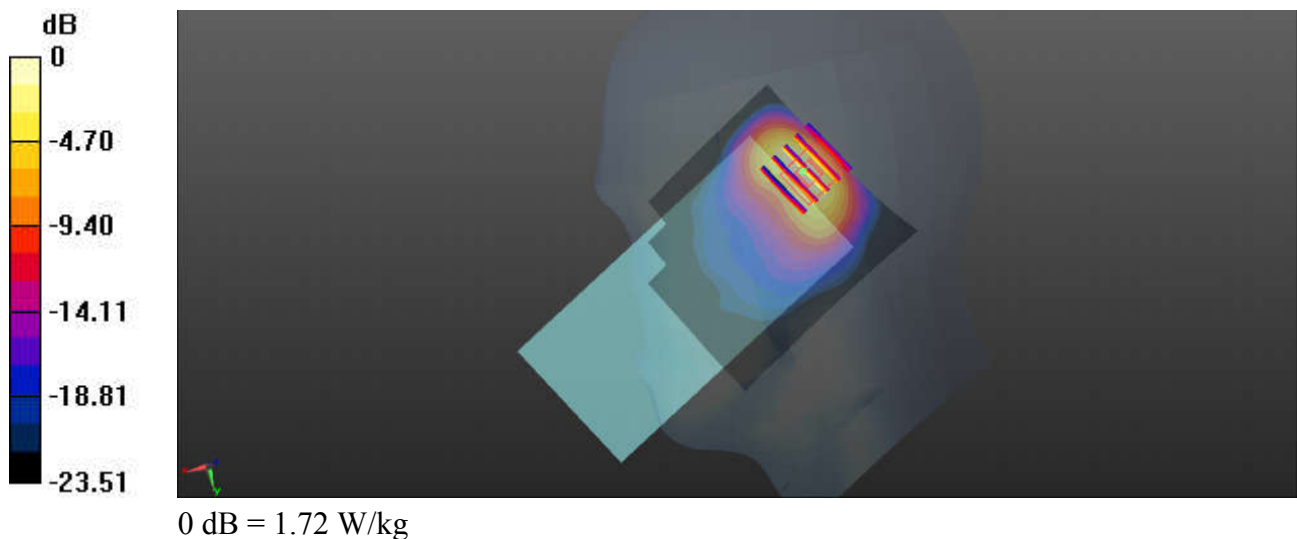
Communication System: UID 0, GPRS/EDGE12 (0); Frequency: 1850.2 MHz; Duty Cycle: 1:2.08  
Medium: HSL\_1900\_211105 Medium parameters used:  $f = 1850.2$  MHz;  $\sigma = 1.393$  S/m;  $\epsilon_r = 39.209$ ;  
 $\rho = 1000$  kg/m<sup>3</sup>  
Ambient Temperature : 23.8 °C; Liquid Temperature : 22.9 °C

### DASY5 Configuration:

- Probe: EX3DV4 - SN3975; ConvF(7.92, 7.92, 7.92); Calibrated: 2021/6/7
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1386; Calibrated: 2021/1/13
- Phantom: SAM with CRP v5.0(Front); Type: QD000P40CD; Serial: TP-1671
- Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

**Ch512/Area Scan (71x81x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm  
Maximum value of SAR (interpolated) = 1.66 W/kg

**Ch512/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Reference Value = 21.17 V/m; Power Drift = -0.02 dB  
Peak SAR (extrapolated) = 2.09 W/kg  
**SAR(1 g) = 0.957 W/kg; SAR(10 g) = 0.442 W/kg**  
Maximum value of SAR (measured) = 1.72 W/kg





### 03\_WCDMA V\_RMC 12.2Kbps\_Left Cheek\_Ch4182

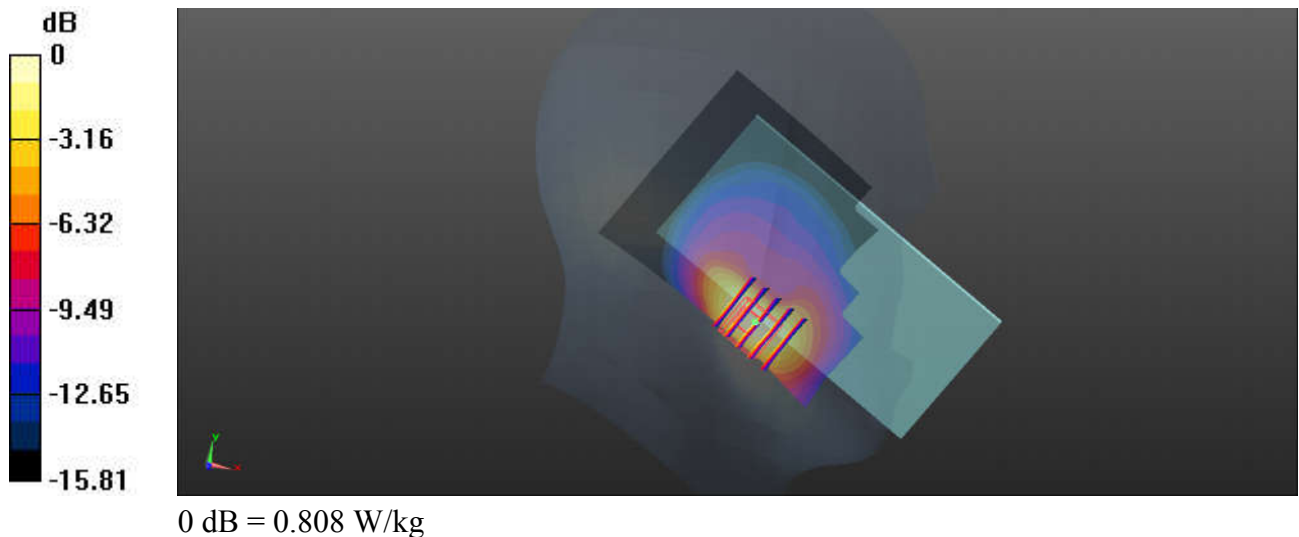
Communication System: UID 0, UMTS (0); Frequency: 836.4 MHz; Duty Cycle: 1:1  
Medium: HSL\_835\_211027 Medium parameters used:  $f = 836.4$  MHz;  $\sigma = 0.919$  S/m;  $\epsilon_r = 40.738$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Ambient Temperature : 23.8 °C; Liquid Temperature : 22.6 °C

#### DASY5 Configuration:

- Probe: EX3DV4 - SN3975; ConvF(9.54, 9.54, 9.54); Calibrated: 2021/6/7
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1386; Calibrated: 2021/1/13
- Phantom: SAM with CRP v5.0(Front); Type: QD000P40CD; Serial: TP-1671
- Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

**Ch4182/Area Scan (71x91x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm  
Maximum value of SAR (interpolated) = 0.762 W/kg

**Ch4182/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Reference Value = 5.898 V/m; Power Drift = -0.16 dB  
Peak SAR (extrapolated) = 1.02 W/kg  
**SAR(1 g) = 0.496 W/kg; SAR(10 g) = 0.265 W/kg**  
Maximum value of SAR (measured) = 0.808 W/kg



## 04\_WCDMA IV\_RMC 12.2Kbps\_Right Tilted\_Ch1413

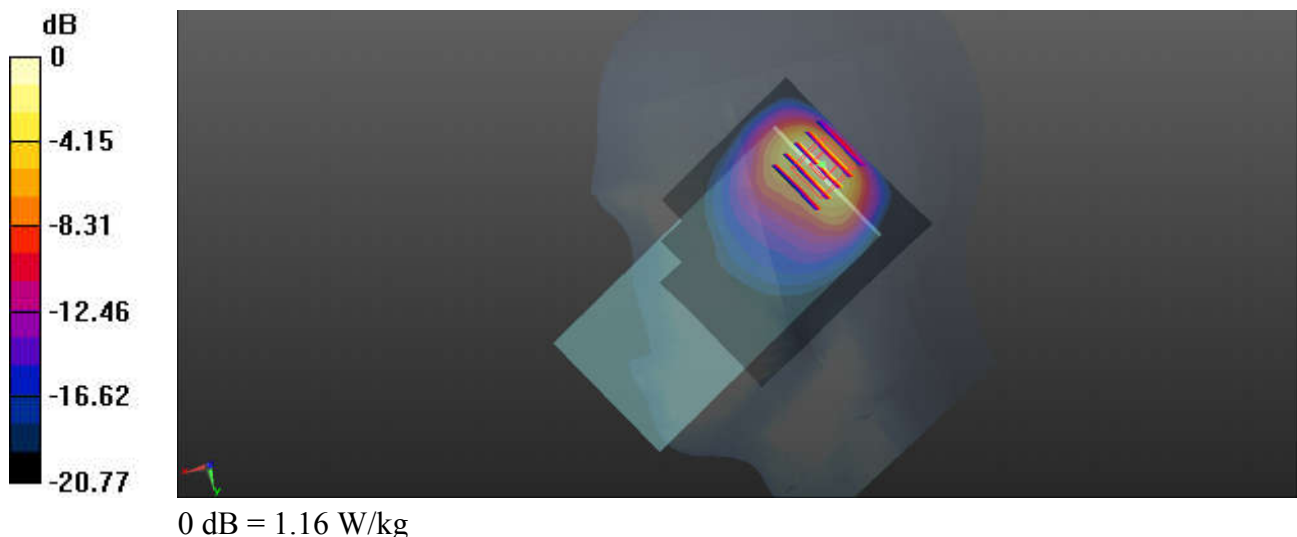
Communication System: UID 0, UMTS (0); Frequency: 1732.6 MHz; Duty Cycle: 1:1  
Medium: HSL\_1750\_211108 Medium parameters used:  $f = 1733$  MHz;  $\sigma = 1.359$  S/m;  $\epsilon_r = 41.442$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Ambient Temperature : 23.8 °C; Liquid Temperature : 22.6 °C

### DASY5 Configuration:

- Probe: EX3DV4 - SN3975; ConvF(8.38, 8.38, 8.38); Calibrated: 2021/6/7
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1386; Calibrated: 2021/1/13
- Phantom: SAM with CRP v5.0(Front); Type: QD000P40CD; Serial: TP-1671
- Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

**Ch1413/Area Scan (71x81x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm  
Maximum value of SAR (interpolated) = 1.05 W/kg

**Ch1413/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Reference Value = 21.93 V/m; Power Drift = 0.04 dB  
Peak SAR (extrapolated) = 1.38 W/kg  
**SAR(1 g) = 0.652 W/kg; SAR(10 g) = 0.306 W/kg**  
Maximum value of SAR (measured) = 1.16 W/kg



## 05\_WCDMA II\_RMC 12.2Kbps\_Right Tilted\_Ch9400

Communication System: UID 0, UMTS (0); Frequency: 1880 MHz; Duty Cycle: 1:1

Medium: HSL\_1900\_211105 Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.428$  S/m;  $\epsilon_r = 39.095$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.8 °C; Liquid Temperature : 22.9 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3975; ConvF(7.92, 7.92, 7.92); Calibrated: 2021/6/7
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1386; Calibrated: 2021/1/13
- Phantom: SAM with CRP v5.0(Front); Type: QD000P40CD; Serial: TP-1671
- Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

**Ch9400/Area Scan (71x81x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.795 W/kg

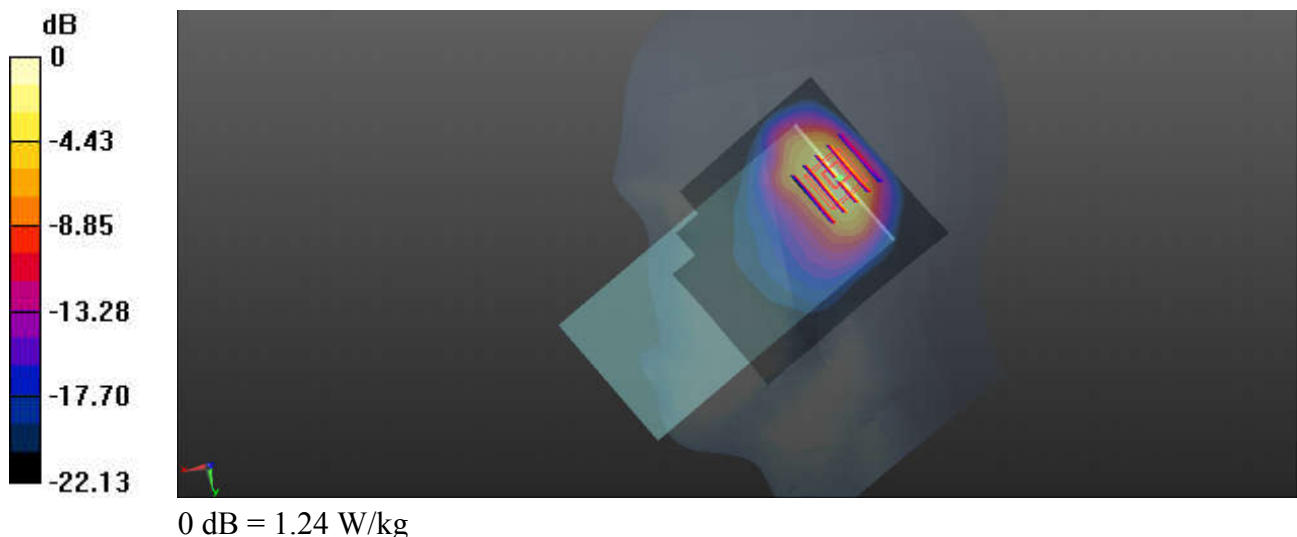
**Ch9400/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 20.97 V/m; Power Drift = -0.18 dB

Peak SAR (extrapolated) = 1.49 W/kg

**SAR(1 g) = 0.697 W/kg; SAR(10 g) = 0.315 W/kg**

Maximum value of SAR (measured) = 1.24 W/kg



## 06\_LTE Band 12\_10M\_QPSK\_1RB\_0Offset\_Left Cheek\_Ch23095

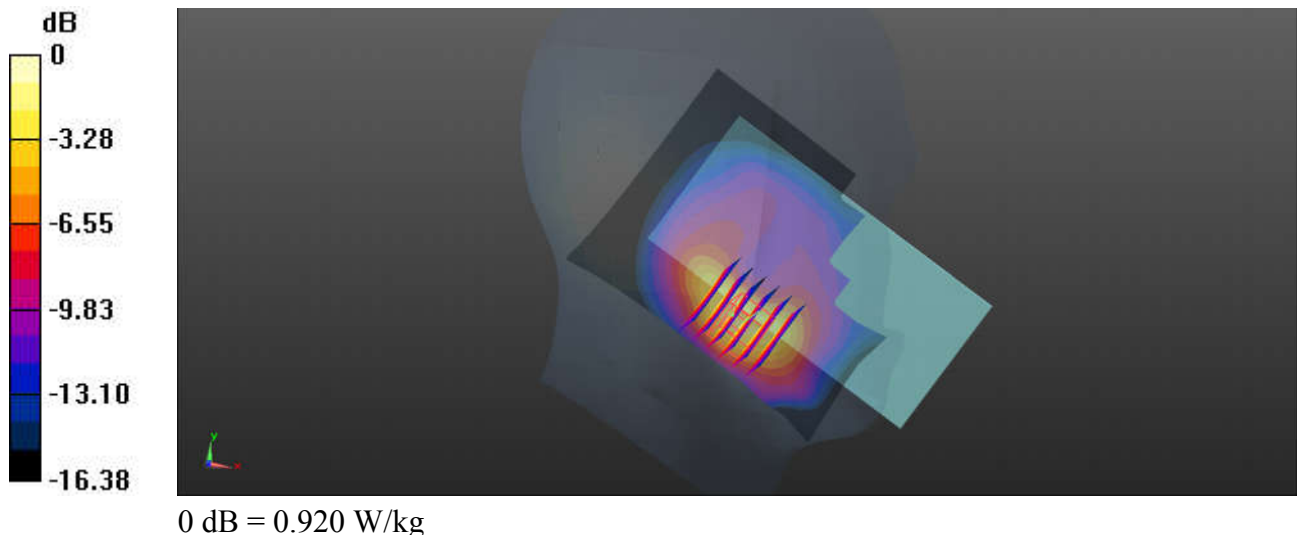
Communication System: UID 0, LTE (0); Frequency: 707.5 MHz; Duty Cycle: 1:1  
Medium: HSL\_750\_211026 Medium parameters used:  $f = 707.5$  MHz;  $\sigma = 0.856$  S/m;  $\epsilon_r = 41.885$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Ambient Temperature : 23.6 °C; Liquid Temperature : 22.3 °C

### DASY5 Configuration:

- Probe: EX3DV4 - SN3975; ConvF(10.04, 10.04, 10.04); Calibrated: 2021/6/7
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1386; Calibrated: 2021/1/13
- Phantom: SAM with CRP v5.0(Front); Type: QD000P40CD; Serial: TP-1671
- Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

**Ch23095/Area Scan (81x111x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm  
Maximum value of SAR (interpolated) = 0.644 W/kg

**Ch23095/Zoom Scan (6x6x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Reference Value = 8.573 V/m; Power Drift = -0.08 dB  
Peak SAR (extrapolated) = 1.21 W/kg  
**SAR(1 g) = 0.546 W/kg; SAR(10 g) = 0.284 W/kg**  
Maximum value of SAR (measured) = 0.920 W/kg



### 07\_LTE Band 13\_10M\_QPSK\_1RB\_0Offset\_Left Cheek\_Ch23230

Communication System: UID 0, LTE (0); Frequency: 782 MHz; Duty Cycle: 1:1

Medium: HSL\_750\_211026 Medium parameters used:  $f = 782 \text{ MHz}$ ;  $\sigma = 0.897 \text{ S/m}$ ;  $\epsilon_r = 40.237$ ;  $\rho = 1000 \text{ kg/m}^3$

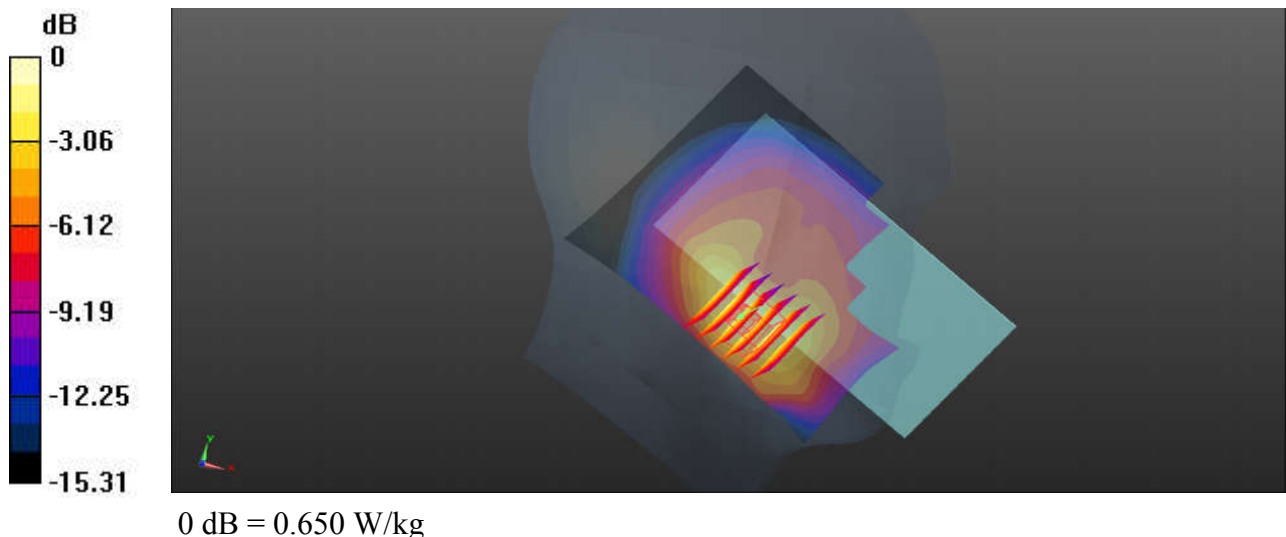
Ambient Temperature :  $23.6 \text{ }^\circ\text{C}$ ; Liquid Temperature :  $22.3 \text{ }^\circ\text{C}$

DASY5 Configuration:

- Probe: EX3DV4 - SN3975; ConvF(10.04, 10.04, 10.04); Calibrated: 2021/6/7
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1386; Calibrated: 2021/1/13
- Phantom: SAM with CRP v5.0(Front); Type: QD000P40CD; Serial: TP-1671
- Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

**Ch23230/Area Scan (71x111x1):** Interpolated grid:  $dx=1.500 \text{ mm}$ ,  $dy=1.500 \text{ mm}$   
Maximum value of SAR (interpolated) =  $0.404 \text{ W/kg}$

**Ch23230/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$   
Reference Value =  $6.046 \text{ V/m}$ ; Power Drift =  $0.19 \text{ dB}$   
Peak SAR (extrapolated) =  $0.931 \text{ W/kg}$   
**SAR(1 g) =  $0.405 \text{ W/kg}$ ; SAR(10 g) =  $0.215 \text{ W/kg}$**   
Maximum value of SAR (measured) =  $0.650 \text{ W/kg}$



## 08\_LTE Band 26\_15M\_QPSK\_1RB\_0Offset\_Left Cheek\_Ch26865

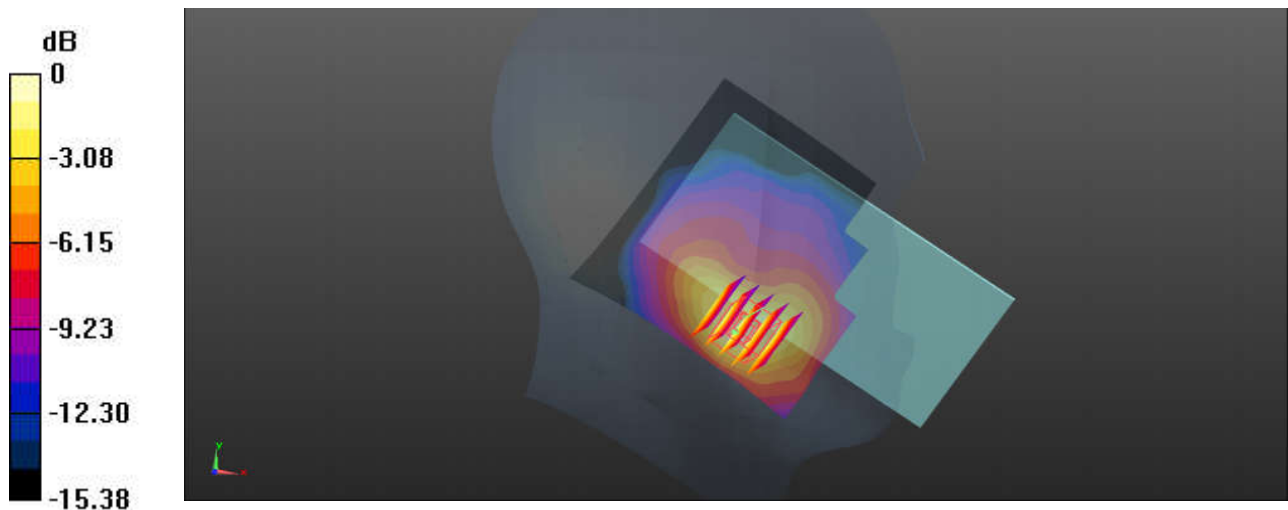
Communication System: UID 0, LTE (0); Frequency: 831.5 MHz; Duty Cycle: 1:1  
Medium: HSL\_835\_211027 Medium parameters used:  $f = 831.5$  MHz;  $\sigma = 0.899$  S/m;  $\epsilon_r = 40.782$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Ambient Temperature : 23.8 °C; Liquid Temperature : 22.6 °C

### DASY5 Configuration:

- Probe: EX3DV4 - SN3975; ConvF(9.54, 9.54, 9.54); Calibrated: 2021/6/7
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1386; Calibrated: 2021/1/13
- Phantom: SAM with CRP v5.0(Front); Type: QD000P40CD; Serial: TP-1671
- Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

**Ch26865/Area Scan (71x111x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm  
Maximum value of SAR (interpolated) = 0.590 W/kg

**Ch26865/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Reference Value = 0 V/m; Power Drift = -0.01 dB  
Peak SAR (extrapolated) = 1.30 W/kg  
**SAR(1 g) = 0.590 W/kg; SAR(10 g) = 0.317 W/kg**  
Maximum value of SAR (measured) = 0.929 W/kg



0 dB = 0.929 W/kg

### 09\_LTE Band 66\_20M\_QPSK\_50RB\_0Offset\_Right Tilted\_Ch132322

Communication System: UID 0, LTE (0); Frequency: 1745 MHz; Duty Cycle: 1:1

Medium: HSL\_1750\_211108 Medium parameters used:  $f = 1745$  MHz;  $\sigma = 1.372$  S/m;  $\epsilon_r = 41.386$ ;  $\rho = 1000$  kg/m<sup>3</sup>

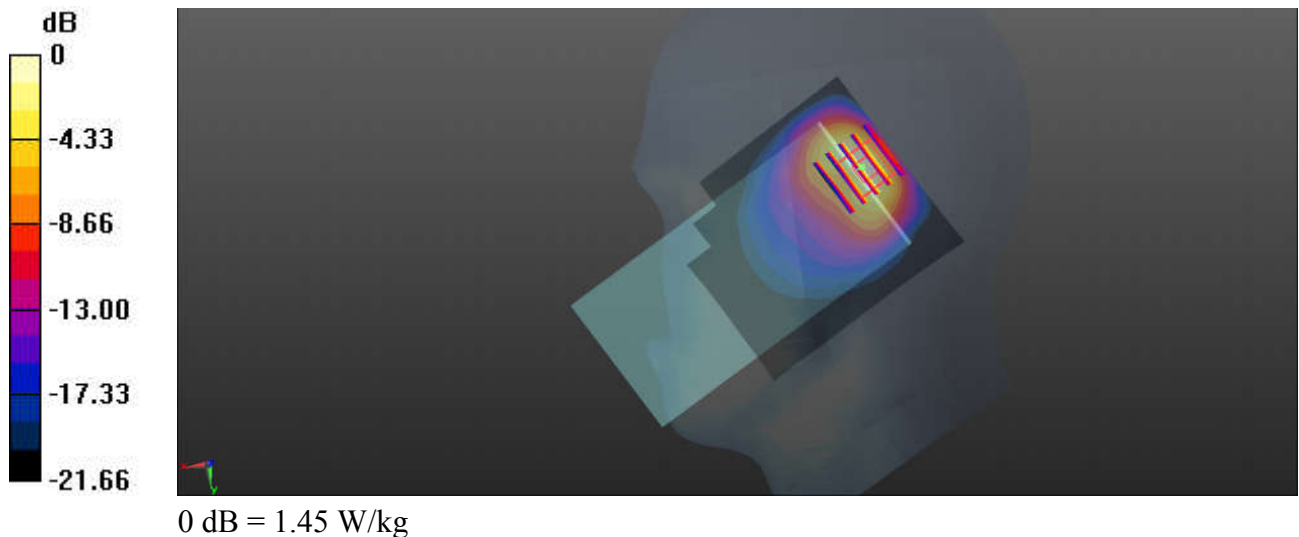
Ambient Temperature : 23.8 °C; Liquid Temperature : 22.6 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3975; ConvF(8.38, 8.38, 8.38); Calibrated: 2021/6/7
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1386; Calibrated: 2021/1/13
- Phantom: SAM with CRP v5.0(Front); Type: QD000P40CD; Serial: TP-1671
- Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

**Ch132322/Area Scan (71x81x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm  
Maximum value of SAR (interpolated) = 1.45 W/kg

**Ch132322/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Reference Value = 21.22 V/m; Power Drift = -0.01 dB  
Peak SAR (extrapolated) = 1.81 W/kg  
**SAR(1 g) = 0.855 W/kg; SAR(10 g) = 0.395 W/kg**  
Maximum value of SAR (measured) = 1.49 W/kg





## 10\_LTE Band 25\_20M\_QPSK\_50RB\_0Offset\_Right Tilted\_Ch26340

Communication System: UID 0, LTE (0); Frequency: 1880 MHz; Duty Cycle: 1:1

Medium: HSL\_1900\_211105 Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.428$  S/m;  $\epsilon_r = 39.095$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.8 °C; Liquid Temperature : 22.9 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3975; ConvF(7.92, 7.92, 7.92); Calibrated: 2021/6/7
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1386; Calibrated: 2021/1/13
- Phantom: SAM with CRP v5.0(Front); Type: QD000P40CD; Serial: TP-1671
- Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

**Ch26340/Area Scan (71x81x1):** Interpolated grid:  $dx=1.500$  mm,  $dy=1.500$  mm  
Maximum value of SAR (interpolated) = 1.53 W/kg

**Ch26340/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm  
Reference Value = 22.78 V/m; Power Drift = -0.16 dB  
Peak SAR (extrapolated) = 1.97 W/kg  
**SAR(1 g) = 0.918 W/kg; SAR(10 g) = 0.422 W/kg**  
Maximum value of SAR (measured) = 1.63 W/kg

