Band38	15MHz	QPSK	38175	1RB#0	24.03	PASS
Band38	15MHz	QPSK	38175	1RB#38	24.13	PASS
Band38	15MHz	QPSK	38175	1RB#74	24.09	PASS
Band38	15MHz	QPSK	38175	38RB#0	22.83	PASS
Band38	15MHz	QPSK	38175	38RB#18	22.87	PASS
Band38	15MHz	QPSK	38175	38RB#37	22.72	PASS
Band38	15MHz	QPSK	38175	75RB#0	23.29	PASS
Band38	15MHz	16QAM	37825	1RB#0	22.92	PASS
Band38	15MHz	16QAM	37825	1RB#38	22.96	PASS
Band38	15MHz	16QAM	37825	1RB#74	22.83	PASS
Band38	15MHz	16QAM	37825	38RB#0	22.91	PASS
Band38	15MHz	16QAM	37825	38RB#18	22.97	PASS
Band38	15MHz	16QAM	37825	38RB#37	22.80	PASS
Band38	15MHz	16QAM	37825	75RB#0	21.96	PASS
Band38	15MHz	16QAM	38000	1RB#0	22.94	PASS
Band38	15MHz	16QAM	38000	1RB#38	23.04	PASS
Band38	15MHz	16QAM	38000	1RB#74	22.94	PASS
Band38	15MHz	16QAM	38000	38RB#0	22.93	PASS
Band38	15MHz	16QAM	38000	38RB#18	23.01	PASS
Band38	15MHz	16QAM	38000	38RB#37	22.94	PASS
Band38	15MHz	16QAM	38000	75RB#0	22.01	PASS
Band38	15MHz	16QAM	38175	1RB#0	22.79	PASS
Band38	15MHz	16QAM	38175	1RB#38	22.87	PASS
Band38	15MHz	16QAM	38175	1RB#74	22.77	PASS
Band38	15MHz	16QAM	38175	38RB#0	22.82	PASS
Band38	15MHz	16QAM	38175	38RB#18	22.85	PASS
Band38	15MHz	16QAM	38175	38RB#37	22.74	PASS
Band38	15MHz	16QAM	38175	75RB#0	22.18	PASS
Band38	20MHz	QPSK	37850	1RB#0	23.84	PASS
Band38	20MHz	QPSK	37850	1RB#49	24.28	PASS
Band38	20MHz	QPSK	37850	1RB#99	23.71	PASS
Band38	20MHz	QPSK	37850	50RB#0	22.94	PASS
Band38	20MHz	QPSK	37850	50RB#25	22.91	PASS
Band38	20MHz	QPSK	37850	50RB#50	22.98	PASS
Band38	20MHz	QPSK	37850	100RB#0	22.96	PASS
Band38	20MHz	QPSK	38000	1RB#0	23.77	PASS
Band38	20MHz	QPSK	38000	1RB#49	24.31	PASS

Band38	20MHz	QPSK	38000	1RB#99	23.88	PASS
Band38	20MHz	QPSK	38000	50RB#0	22.92	PASS
Band38	20MHz	QPSK	38000	50RB#25	22.94	PASS
Band38	20MHz	QPSK	38000	50RB#50	22.90	PASS
Band38	20MHz	QPSK	38000	100RB#0	22.94	PASS
Band38	20MHz	QPSK	38150	1RB#0	23.81	PASS
Band38	20MHz	QPSK	38150	1RB#49	**24.49**	PASS
Band38	20MHz	QPSK	38150	1RB#99	23.89	PASS
Band38	20MHz	QPSK	38150	50RB#0	23.15	PASS
Band38	20MHz	QPSK	38150	50RB#25	23.16	PASS
Band38	20MHz	QPSK	38150	50RB#50	23.02	PASS
Band38	20MHz	QPSK	38150	100RB#0	23.06	PASS
Band38	20MHz	16QAM	37850	1RB#0	22.69	PASS
Band38	20MHz	16QAM	37850	1RB#49	23.13	PASS
Band38	20MHz	16QAM	37850	1RB#99	22.59	PASS
Band38	20MHz	16QAM	37850	50RB#0	21.93	PASS
Band38	20MHz	16QAM	37850	50RB#25	21.85	PASS
Band38	20MHz	16QAM	37850	50RB#50	21.99	PASS
Band38	20MHz	16QAM	37850	100RB#0	21.99	PASS
Band38	20MHz	16QAM	38000	1RB#0	22.84	PASS
Band38	20MHz	16QAM	38000	1RB#49	23.33	PASS
Band38	20MHz	16QAM	38000	1RB#99	22.90	PASS
Band38	20MHz	16QAM	38000	50RB#0	21.91	PASS
Band38	20MHz	16QAM	38000	50RB#25	21.94	PASS
Band38	20MHz	16QAM	38000	50RB#50	21.89	PASS
Band38	20MHz	16QAM	38000	100RB#0	21.90	PASS
Band38	20MHz	16QAM	38150	1RB#0	22.64	PASS
Band38	20MHz	16QAM	38150	1RB#49	23.14	PASS
Band38	20MHz	16QAM	38150	1RB#99	22.61	PASS
Band38	20MHz	16QAM	38150	50RB#0	22.18	PASS
Band38	20MHz	16QAM	38150	50RB#25	22.18	PASS
Band38	20MHz	16QAM	38150	50RB#50	22.02	PASS
Band38	20MHz	16QAM	38150	100RB#0	22.08	PASS

Band 40(2305-2315MHz)

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band40	5MHz	QPSK	38725	1RB#0	23.93	PASS
Band40	5MHz	QPSK	38725	1RB#12	24.03	PASS
Band40	5MHz	QPSK	38725	1RB#24	23.92	PASS
Band40	5MHz	QPSK	38725	12RB#0	22.87	PASS
Band40	5MHz	QPSK	38725	12RB#6	22.87	PASS
Band40	5MHz	QPSK	38725	12RB#13	22.89	PASS
Band40	5MHz	QPSK	38725	25RB#0	22.89	PASS
Band40	5MHz	QPSK	38750	1RB#0	23.87	PASS
Band40	5MHz	QPSK	38750	1RB#12	24.00	PASS
Band40	5MHz	QPSK	38750	1RB#24	23.88	PASS
Band40	5MHz	QPSK	38750	12RB#0	22.92	PASS
Band40	5MHz	QPSK	38750	12RB#6	22.89	PASS
Band40	5MHz	QPSK	38750	12RB#13	22.86	PASS
Band40	5MHz	QPSK	38750	25RB#0	22.85	PASS
Band40	5MHz	QPSK	38775	1RB#0	23.90	PASS
Band40	5MHz	QPSK	38775	1RB#12	24.04	PASS
Band40	5MHz	QPSK	38775	1RB#24	23.93	PASS
Band40	5MHz	QPSK	38775	12RB#0	22.92	PASS
Band40	5MHz	QPSK	38775	12RB#6	22.90	PASS
Band40	5MHz	QPSK	38775	12RB#13	22.89	PASS
Band40	5MHz	QPSK	38775	25RB#0	22.88	PASS
Band40	5MHz	16QAM	38725	1RB#0	22.81	PASS
Band40	5MHz	16QAM	38725	1RB#12	22.89	PASS
Band40	5MHz	16QAM	38725	1RB#24	22.80	PASS
Band40	5MHz	16QAM	38725	12RB#0	21.83	PASS
Band40	5MHz	16QAM	38725	12RB#6	21.80	PASS
Band40	5MHz	16QAM	38725	12RB#13	21.82	PASS
Band40	5MHz	16QAM	38725	25RB#0	21.85	PASS
Band40	5MHz	16QAM	38750	1RB#0	22.87	PASS
Band40	5MHz	16QAM	38750	1RB#12	23.01	PASS
Band40	5MHz	16QAM	38750	1RB#24	22.91	PASS
Band40	5MHz	16QAM	38750	12RB#0	21.89	PASS
Band40	5MHz	16QAM	38750	12RB#6	21.90	PASS
Band40	5MHz	16QAM	38750	12RB#13	21.89	PASS

Band40	5MHz	16QAM	38750	25RB#0	21.85	PASS
Band40	5MHz	16QAM	38775	1RB#0	22.78	PASS
Band40	5MHz	16QAM	38775	1RB#12	22.90	PASS
Band40	5MHz	16QAM	38775	1RB#24	22.80	PASS
Band40	5MHz	16QAM	38775	12RB#0	21.88	PASS
Band40	5MHz	16QAM	38775	12RB#6	21.86	PASS
Band40	5MHz	16QAM	38775	12RB#13	21.88	PASS
Band40	5MHz	16QAM	38775	25RB#0	21.88	PASS
Band40	10MHz	QPSK	38750	1RB#0	23.97	PASS
Band40	10MHz	QPSK	38750	1RB#24	**24.32**	PASS
Band40	10MHz	QPSK	38750	1RB#49	23.97	PASS
Band40	10MHz	QPSK	38750	25RB#0	22.95	PASS
Band40	10MHz	QPSK	38750	25RB#12	22.96	PASS
Band40	10MHz	QPSK	38750	25RB#25	22.92	PASS
Band40	10MHz	QPSK	38750	50RB#0	22.92	PASS
Band40	10MHz	16QAM	38750	1RB#0	22.74	PASS
Band40	10MHz	16QAM	38750	1RB#24	23.07	PASS
Band40	10MHz	16QAM	38750	1RB#49	22.81	PASS
Band40	10MHz	16QAM	38750	25RB#0	21.97	PASS
Band40	10MHz	16QAM	38750	25RB#12	21.94	PASS
Band40	10MHz	16QAM	38750	25RB#25	21.91	PASS
Band40	10MHz	16QAM	38750	50RB#0	21.94	PASS

Band 40(2350-2360MHz)

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band40	5MHz	QPSK	39175	1RB#0	23.98	PASS
Band40	5MHz	QPSK	39175	1RB#12	24.11	PASS
Band40	5MHz	QPSK	39175	1RB#24	23.97	PASS
Band40	5MHz	QPSK	39175	12RB#0	22.94	PASS
Band40	5MHz	QPSK	39175	12RB#6	22.94	PASS
Band40	5MHz	QPSK	39175	12RB#13	22.93	PASS
Band40	5MHz	QPSK	39175	25RB#0	22.91	PASS
Band40	5MHz	QPSK	39200	1RB#0	23.91	PASS
Band40	5MHz	QPSK	39200	1RB#12	24.00	PASS
Band40	5MHz	QPSK	39200	1RB#24	23.89	PASS
Band40	5MHz	QPSK	39200	12RB#0	22.94	PASS

Band40	5MHz	QPSK	39200	12RB#6	22.92	PASS
Band40	5MHz	QPSK	39200	12RB#13	22.88	PASS
Band40	5MHz	QPSK	39200	25RB#0	22.90	PASS
Band40	5MHz	QPSK	39225	1RB#0	23.95	PASS
Band40	5MHz	QPSK	39225	1RB#12	24.06	PASS
Band40	5MHz	QPSK	39225	1RB#24	23.93	PASS
Band40	5MHz	QPSK	39225	12RB#0	22.99	PASS
Band40	5MHz	QPSK	39225	12RB#6	22.94	PASS
Band40	5MHz	QPSK	39225	12RB#13	22.85	PASS
Band40	5MHz	QPSK	39225	25RB#0	22.93	PASS
Band40	5MHz	16QAM	39175	1RB#0	22.86	PASS
Band40	5MHz	16QAM	39175	1RB#12	22.95	PASS
Band40	5MHz	16QAM	39175	1RB#24	22.84	PASS
Band40	5MHz	16QAM	39175	12RB#0	21.88	PASS
Band40	5MHz	16QAM	39175	12RB#6	21.88	PASS
Band40	5MHz	16QAM	39175	12RB#13	21.88	PASS
Band40	5MHz	16QAM	39175	25RB#0	21.88	PASS
Band40	5MHz	16QAM	39200	1RB#0	22.92	PASS
Band40	5MHz	16QAM	39200	1RB#12	23.02	PASS
Band40	5MHz	16QAM	39200	1RB#24	22.91	PASS
Band40	5MHz	16QAM	39200	12RB#0	21.91	PASS
Band40	5MHz	16QAM	39200	12RB#6	21.91	PASS
Band40	5MHz	16QAM	39200	12RB#13	21.86	PASS
Band40	5MHz	16QAM	39200	25RB#0	21.81	PASS
Band40	5MHz	16QAM	39225	1RB#0	22.80	PASS
Band40	5MHz	16QAM	39225	1RB#12	22.89	PASS
Band40	5MHz	16QAM	39225	1RB#24	22.80	PASS
Band40	5MHz	16QAM	39225	12RB#0	21.93	PASS
Band40	5MHz	16QAM	39225	12RB#6	21.90	PASS
Band40	5MHz	16QAM	39225	12RB#13	21.94	PASS
Band40	5MHz	16QAM	39225	25RB#0	22.05	PASS
Band40	10MHz	QPSK	39200	1RB#0	24.02	PASS
Band40	10MHz	QPSK	39200	1RB#24	**24.31**	PASS
Band40	10MHz	QPSK	39200	1RB#49	23.99	PASS
Band40	10MHz	QPSK	39200	25RB#0	23.00	PASS
Band40	10MHz	QPSK	39200	25RB#12	23.04	PASS
Band40	10MHz	QPSK	39200	25RB#25	23.02	PASS

Band40	10MHz	QPSK	39200	50RB#0	23.08	PASS
Band40	10MHz	16QAM	39200	1RB#0	22.80	PASS
Band40	10MHz	16QAM	39200	1RB#24	23.10	PASS
Band40	10MHz	16QAM	39200	1RB#49	22.79	PASS
Band40	10MHz	16QAM	39200	25RB#0	21.98	PASS
Band40	10MHz	16QAM	39200	25RB#12	21.97	PASS
Band40	10MHz	16QAM	39200	25RB#25	22.09	PASS
Band40	10MHz	16QAM	39200	50RB#0	21.95	PASS

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band41	5MHz	QPSK	39675	1RB#0	23.68	PASS
Band41	5MHz	QPSK	39675	1RB#12	23.58	PASS
Band41	5MHz	QPSK	39675	1RB#24	23.49	PASS
Band41	5MHz	QPSK	39675	12RB#0	22.37	PASS
Band41	5MHz	QPSK	39675	12RB#6	22.37	PASS
Band41	5MHz	QPSK	39675	12RB#13	22.29	PASS
Band41	5MHz	QPSK	39675	25RB#0	22.30	PASS
Band41	5MHz	QPSK	40620	1RB#0	24.47	PASS
Band41	5MHz	QPSK	40620	1RB#12	24.54	PASS
Band41	5MHz	QPSK	40620	1RB#24	24.68	PASS
Band41	5MHz	QPSK	40620	12RB#0	23.28	PASS
Band41	5MHz	QPSK	40620	12RB#6	23.27	PASS
Band41	5MHz	QPSK	40620	12RB#13	23.35	PASS
Band41	5MHz	QPSK	40620	25RB#0	23.36	PASS
Band41	5MHz	QPSK	41565	1RB#0	23.83	PASS
Band41	5MHz	QPSK	41565	1RB#12	23.78	PASS
Band41	5MHz	QPSK	41565	1RB#24	23.74	PASS
Band41	5MHz	QPSK	41565	12RB#0	22.81	PASS
Band41	5MHz	QPSK	41565	12RB#6	22.82	PASS
Band41	5MHz	QPSK	41565	12RB#13	22.74	PASS
Band41	5MHz	QPSK	41565	25RB#0	22.80	PASS
Band41	5MHz	16QAM	39675	1RB#0	22.41	PASS
Band41	5MHz	16QAM	39675	1RB#12	22.31	PASS
Band41	5MHz	16QAM	39675	1RB#24	22.24	PASS
Band41	5MHz	16QAM	39675	12RB#0	21.33	PASS
Band41	5MHz	16QAM	39675	12RB#6	21.35	PASS

Band41	5MHz	16QAM	39675	12RB#13	21.24	PASS
Band41	5MHz	16QAM	39675	25RB#0	21.29	PASS
Band41	5MHz	16QAM	40620	1RB#0	23.19	PASS
Band41	5MHz	16QAM	40620	1RB#12	23.29	PASS
Band41	5MHz	16QAM	40620	1RB#24	23.40	PASS
Band41	5MHz	16QAM	40620	12RB#0	22.29	PASS
Band41	5MHz	16QAM	40620	12RB#6	22.28	PASS
Band41	5MHz	16QAM	40620	12RB#13	22.31	PASS
Band41	5MHz	16QAM	40620	25RB#0	22.35	PASS
Band41	5MHz	16QAM	41565	1RB#0	22.83	PASS
Band41	5MHz	16QAM	41565	1RB#12	22.80	PASS
Band41	5MHz	16QAM	41565	1RB#24	22.79	PASS
Band41	5MHz	16QAM	41565	12RB#0	21.88	PASS
Band41	5MHz	16QAM	41565	12RB#6	21.87	PASS
Band41	5MHz	16QAM	41565	12RB#13	21.78	PASS
Band41	5MHz	16QAM	41565	25RB#0	21.73	PASS
Band41	10MHz	QPSK	39700	1RB#0	23.42	PASS
Band41	10MHz	QPSK	39700	1RB#24	23.29	PASS
Band41	10MHz	QPSK	39700	1RB#49	23.11	PASS
Band41	10MHz	QPSK	39700	25RB#0	22.29	PASS
Band41	10MHz	QPSK	39700	25RB#12	22.28	PASS
Band41	10MHz	QPSK	39700	25RB#25	22.23	PASS
Band41	10MHz	QPSK	39700	50RB#0	22.29	PASS
Band41	10MHz	QPSK	40620	1RB#0	24.19	PASS
Band41	10MHz	QPSK	40620	1RB#24	24.43	PASS
Band41	10MHz	QPSK	40620	1RB#49	24.55	PASS
Band41	10MHz	QPSK	40620	25RB#0	23.27	PASS
Band41	10MHz	QPSK	40620	25RB#12	23.26	PASS
Band41	10MHz	QPSK	40620	25RB#25	23.46	PASS
Band41	10MHz	QPSK	40620	50RB#0	23.37	PASS
Band41	10MHz	QPSK	41540	1RB#0	23.84	PASS
Band41	10MHz	QPSK	41540	1RB#24	23.80	PASS
Band41	10MHz	QPSK	41540	1RB#49	23.71	PASS
Band41	10MHz	QPSK	41540	25RB#0	22.89	PASS
Band41	10MHz	QPSK	41540	25RB#12	22.89	PASS
Band41	10MHz	QPSK	41540	25RB#25	22.81	PASS
Band41	10MHz	QPSK	41540	50RB#0	22.81	PASS

Band41	10MHz	16QAM	39700	1RB#0	22.41	PASS
Band41	10MHz	16QAM	39700	1RB#24	22.31	PASS
Band41	10MHz	16QAM	39700	1RB#49	22.15	PASS
Band41	10MHz	16QAM	39700	25RB#0	21.23	PASS
Band41	10MHz	16QAM	39700	25RB#12	21.23	PASS
Band41	10MHz	16QAM	39700	25RB#25	21.17	PASS
Band41	10MHz	16QAM	39700	50RB#0	21.20	PASS
Band41	10MHz	16QAM	40620	1RB#0	23.18	PASS
Band41	10MHz	16QAM	40620	1RB#24	23.43	PASS
Band41	10MHz	16QAM	40620	1RB#49	23.54	PASS
Band41	10MHz	16QAM	40620	25RB#0	22.25	PASS
Band41	10MHz	16QAM	40620	25RB#12	22.27	PASS
Band41	10MHz	16QAM	40620	25RB#25	22.42	PASS
Band41	10MHz	16QAM	40620	50RB#0	22.32	PASS
Band41	10MHz	16QAM	41540	1RB#0	22.74	PASS
Band41	10MHz	16QAM	41540	1RB#24	22.72	PASS
Band41	10MHz	16QAM	41540	1RB#49	22.64	PASS
Band41	10MHz	16QAM	41540	25RB#0	21.89	PASS
Band41	10MHz	16QAM	41540	25RB#12	21.90	PASS
Band41	10MHz	16QAM	41540	25RB#25	21.84	PASS
Band41	10MHz	16QAM	41540	50RB#0	21.84	PASS
Band41	15MHz	QPSK	39725	1RB#0	23.38	PASS
Band41	15MHz	QPSK	39725	1RB#38	23.24	PASS
Band41	15MHz	QPSK	39725	1RB#74	22.98	PASS
Band41	15MHz	QPSK	39725	38RB#0	22.34	PASS
Band41	15MHz	QPSK	39725	38RB#18	22.23	PASS
Band41	15MHz	QPSK	39725	38RB#37	21.98	PASS
Band41	15MHz	QPSK	39725	75RB#0	22.16	PASS
Band41	15MHz	QPSK	40620	1RB#0	24.06	PASS
Band41	15MHz	QPSK	40620	1RB#38	24.42	PASS
Band41	15MHz	QPSK	40620	1RB#74	24.53	PASS
Band41	15MHz	QPSK	40620	38RB#0	23.04	PASS
Band41	15MHz	QPSK	40620	38RB#18	23.42	PASS
Band41	15MHz	QPSK	40620	38RB#37	23.52	PASS
Band41	15MHz	QPSK	40620	75RB#0	23.30	PASS
Band41	15MHz	QPSK	41515	1RB#0	23.96	PASS
Band41	15MHz	QPSK	41515	1RB#38	23.87	PASS

Band41	15MHz	QPSK	41515	1RB#74	23.69	PASS
Band41	15MHz	QPSK	41515	38RB#0	23.07	PASS
Band41	15MHz	QPSK	41515	38RB#18	22.96	PASS
Band41	15MHz	QPSK	41515	38RB#37	22.81	PASS
Band41	15MHz	QPSK	41515	75RB#0	22.85	PASS
Band41	15MHz	16QAM	39725	1RB#0	22.36	PASS
Band41	15MHz	16QAM	39725	1RB#38	22.23	PASS
Band41	15MHz	16QAM	39725	1RB#74	22.00	PASS
Band41	15MHz	16QAM	39725	38RB#0	22.37	PASS
Band41	15MHz	16QAM	39725	38RB#18	22.21	PASS
Band41	15MHz	16QAM	39725	38RB#37	21.98	PASS
Band41	15MHz	16QAM	39725	75RB#0	21.10	PASS
Band41	15MHz	16QAM	40620	1RB#0	23.05	PASS
Band41	15MHz	16QAM	40620	1RB#38	23.43	PASS
Band41	15MHz	16QAM	40620	1RB#74	23.52	PASS
Band41	15MHz	16QAM	40620	38RB#0	23.05	PASS
Band41	15MHz	16QAM	40620	38RB#18	23.42	PASS
Band41	15MHz	16QAM	40620	38RB#37	23.53	PASS
Band41	15MHz	16QAM	40620	75RB#0	22.29	PASS
Band41	15MHz	16QAM	41515	1RB#0	23.05	PASS
Band41	15MHz	16QAM	41515	1RB#38	22.96	PASS
Band41	15MHz	16QAM	41515	1RB#74	22.80	PASS
Band41	15MHz	16QAM	41515	38RB#0	23.07	PASS
Band41	15MHz	16QAM	41515	38RB#18	22.95	PASS
Band41	15MHz	16QAM	41515	38RB#37	22.83	PASS
Band41	15MHz	16QAM	41515	75RB#0	21.88	PASS
Band41	20MHz	QPSK	39750	1RB#0	23.29	PASS
Band41	20MHz	QPSK	39750	1RB#49	23.15	PASS
Band41	20MHz	QPSK	39750	1RB#99	22.99	PASS
Band41	20MHz	QPSK	39750	50RB#0	22.16	PASS
Band41	20MHz	QPSK	39750	50RB#25	22.18	PASS
Band41	20MHz	QPSK	39750	50RB#50	22.15	PASS
Band41	20MHz	QPSK	39750	100RB#0	22.15	PASS
Band41	20MHz	QPSK	40620	1RB#0	23.89	PASS
Band41	20MHz	QPSK	40620	1RB#49	24.42	PASS
Band41	20MHz	QPSK	40620	1RB#99	**24.72**	PASS
Band41	20MHz	QPSK	40620	50RB#0	23.22	PASS

Band41	20MHz	QPSK	40620	50RB#25	23.24	PASS
Band41	20MHz	QPSK	40620	50RB#50	23.49	PASS
Band41	20MHz	QPSK	40620	100RB#0	23.35	PASS
Band41	20MHz	QPSK	41490	1RB#0	24.10	PASS
Band41	20MHz	QPSK	41490	1RB#49	23.91	PASS
Band41	20MHz	QPSK	41490	1RB#99	23.68	PASS
Band41	20MHz	QPSK	41490	50RB#0	23.06	PASS
Band41	20MHz	QPSK	41490	50RB#25	23.06	PASS
Band41	20MHz	QPSK	41490	50RB#50	22.83	PASS
Band41	20MHz	QPSK	41490	100RB#0	22.98	PASS
Band41	20MHz	16QAM	39750	1RB#0	22.19	PASS
Band41	20MHz	16QAM	39750	1RB#49	22.03	PASS
Band41	20MHz	16QAM	39750	1RB#99	21.87	PASS
Band41	20MHz	16QAM	39750	50RB#0	21.14	PASS
Band41	20MHz	16QAM	39750	50RB#25	21.15	PASS
Band41	20MHz	16QAM	39750	50RB#50	21.11	PASS
Band41	20MHz	16QAM	39750	100RB#0	21.10	PASS
Band41	20MHz	16QAM	40620	1RB#0	22.79	PASS
Band41	20MHz	16QAM	40620	1RB#49	23.31	PASS
Band41	20MHz	16QAM	40620	1RB#99	23.43	PASS
Band41	20MHz	16QAM	40620	50RB#0	22.18	PASS
Band41	20MHz	16QAM	40620	50RB#25	22.17	PASS
Band41	20MHz	16QAM	40620	50RB#50	22.49	PASS
Band41	20MHz	16QAM	40620	100RB#0	22.32	PASS
Band41	20MHz	16QAM	41490	1RB#0	23.35	PASS
Band41	20MHz	16QAM	41490	1RB#49	23.15	PASS
Band41	20MHz	16QAM	41490	1RB#99	22.93	PASS
Band41	20MHz	16QAM	41490	50RB#0	22.01	PASS
Band41	20MHz	16QAM	41490	50RB#25	22.05	PASS
Band41	20MHz	16QAM	41490	50RB#50	21.87	PASS
Band41	20MHz	16QAM	41490	100RB#0	21.91	PASS

Remark:

1. Per KDB941225 D05 v02r05, Start with the largest channel bandwidth then measure SAR for QPSK with 1 RB allocation, using the RB offset and required test channel combination with the highest maximum output power among RB offsets at the upper edge, middle, and lower edge of each required test channel. When the reported SAR is≤ 0.8 W/kg, testing of the remaining RB offset configurations and required test channels is not required for 1 RB allocation; otherwise,

SAR is required for the remaining required test channels and only for the RB offset configuration with the highest output power for that channel. 6 When the reported SAR of a required test channel is > 1.45 W/kg, SAR is required for all three RB offset configurations for that required test channel.

2. Per KDB941225 D05 v02r05, The procedures required for 1 RB allocation in 5.2.1 are applied to measure the SAR for QPSK with 50% RB allocation.

3. Per KDB941225 D05 v02r05, For QPSK with 100% RB allocation, SAR is not required when the highest maximum output power for 100 % RB allocation is less than the highest maximum output power in 50% and 1 RB allocations, and the highest reported SAR for 1 RB and 50% RB allocation in 5.2.1 and 5.2.2 are ≤ 0.8 W/kg. Otherwise, SAR is measured for the highest output power channel; and if the reported SAR is > 1.45 W/kg, the remaining required test channels must also be tested.

4. Per KDB941225 D05 v02r05, For each modulation besides QPSK; e.g., 16-QAM, 64-QAM, apply the QPSK procedures in 5.2.1, 5.2.2, and 5.2.3 to determine the QAM configurations that may need SAR measurement. For each configuration identified as required for testing, SAR is required only when the highest maximum output power for the configuration in the higher order modulation is > ½ dB higher than the same configuration in QPSK or when the reported SAR for the QPSK configuration is > 1.45 W/kg.

WLAN(2.4GHz)					
Test Mode	**Data Rate**	**Channel**	**Frequency (MHz)**	**Conducted Power (dBm)**	**Tune-up power (dBm)**
802.11b	1Mbps	CH 01	2412	15.81	16.0
		CH 06	2437	**16.10**	16.5
		CH 11	2462	15.80	16.0
802.11g	54Mbps	CH 01	2412	14.83	15.0
		CH 06	2437	14.65	15.0
		CH 11	2462	14.25	14.5
802.11n (20MHz)	MCS7	CH 01	2412	13.23	13.5
		CH 06	2437	13.62	14.0
		CH 11	2462	13.59	14.0
802.11n (40MHz)	MCS7	CH 03	2422	13.44	13.5
		CH 06	2437	13.61	14.0
		CH 09	2452	13.26	13.5

WLAN(5.2GHz)				
Test Mode	**Channel**	**Frequency (MHz)**	**Conducted Power (dBm)**	**Tune-up power (dBm)**
802.11a	CH 36	5180	15.10	15.5
	CH 40	5200	14.98	15.0
	CH 48	5240	**15.16**	15.5
802.11n (HT20)	CH 36	5180	14.05	14.5
	CH 40	5200	13.95	14.0
	CH 48	5240	14.18	14.5
802.11n (HT40)	CH 38	5190	13.23	13.5
	CH 46	5230	13.20	13.5

WLAN(5.3GHz)				
Test Mode	**Channel**	**Frequency (MHz)**	**Conducted Power (dBm)**	**Tune-up power (dBm)**
802.11a	CH 52	5260	**14.09**	14.5
	CH 56	5280	13.64	14.0
	CH 64	5320	13.97	14.0
802.11n (HT20)	CH 52	5260	12.58	13.0
	CH 56	5280	12.55	13.0
	CH 64	5320	12.76	13.0
802.11n (HT40)	CH 54	5270	12.42	12.5
	CH62	5310	11.90	12.0

WLAN(5.6GHz)				
Test Mode	**Channel**	**Frequency (MHz)**	**Conducted Power (dBm)**	**Tune-up power (dBm)**
802.11a	CH 100	5500	**11.89**	12.0
	CH 120	5600	10.96	11.0
	CH 140	5700	11.86	12.0
802.11n (HT20)	CH 100	5500	11.52	12.0
	CH 120	5600	10.74	11.0
	CH 140	5700	11.84	12.0
802.11n (HT40)	CH 102	5510	11.46	11.5
	CH118	5590	11.07	11.5
	CH134	5670	11.04	11.5

WLAN(5.8GHz)				
Test Mode	**Channel**	**Frequency (MHz)**	**Conducted Power (dBm)**	**Tune-up power (dBm)**
802.11a	CH 149	5745	13.14	13.5
	CH 157	5785	**13.94**	14.0
	CH 165	5825	13.54	14.0
802.11n (HT20)	CH 149	5745	12.09	12.5
	CH 157	5785	12.90	13.0
	CH 165	5825	12.69	13.0
802.11n (HT40)	CH 151	5755	11.25	11.5
	CH159	5795	11.52	12.0

Remark:

1. Per KDB 248227 D01 v02r02, For 802.11b DSSS SAR measurements, DSSS SAR procedure applies to fixed exposure test position and initial test position procedure applies to multiple exposure test positions.

2. Per KDB 248227 D01 v02r02, For 802.11b DSSS SAR measurements ,when the reported SAR of the highest measured maximum output power channel (see 3.1) for the exposure configuration is ≤ 0.8 W/kg, no further SAR testing

is required for 802.11b DSSS in that exposure configuration. When the reported SAR is > 0.8 W/kg, SAR is required for that exposure configuration using the next highest measured output power channel. When any reported SAR is > 1.2 W/kg, SAR is required for the third channel; i.e., all channels require testing.

3 .For OFDM modes (802.11g/n), SAR is not required when the highest reported SAR for DSSS is adjusted by the ratio of OFDM to DSSS specified maximum output power and it is <= 1.2W/kg.

Bluetooth			
Test Mode	**Data Rate**	**Conducted Power (dBm)**	**Tune-up power (dBm)**
GFSK	1Mbps	**5.25**	5.5
4*π4DQPSK	2Mbps	4.29	4.5
8DPSK	3Mbps	4.32	4.5

Bluetooth					
Test Mode	**Data Rate**	**Channel**	**Frequency (MHz)**	**Conducted Power (dBm)**	**Tune-up power (dBm)**
BLE	1Mbps	CH 00	2402	4.29	4.5
		CH 19	2440	5.17	5.5
		CH 39	2480	4.16	4.5

RF ID(902-928MHz）			
Test Mode	**Frequency (MHz)**	**Conducted Power (dBm)**	**Tune-up power (dBm)**
RF ID(902-928MHz）	902.75	11.50	12.0
	914.75	11.41	11.5
	927.25	**11.61**	12.0

NFC			
Test Mode	**Frequency (MHz)**	**Conducted Power (dBm)**	**Tune-up power (dBm)**
NFC	13.56	-48.98	-48.0

Remark:

Bluetooth/NFC maximum output power is 5.25dBm, Maximum Tune-Up output power is 5.5dBm. Per KDB 447498 D01 V06, the 1-g and 10-g SAR test exclusion thresholds for 100 MHz to 6 GHz at test separation distances ≤ 50 mm are determined by:

[(max. power of channel, including tune-up tolerance, mW)/(min. test separation distance, mm)] · [√f(GHz)] ≤ 3.0 for 1-g SAR and ≤ 7.5 for 10-g extremity SAR,16 where

- f(GHz) is the RF channel transmit frequency in GHz

- Power and distance are rounded to the nearest mW and mm before calculation17
- The result is rounded to one decimal place for comparison

Tune-Up Power (dBm)	Max. Power (mW)	Distance (mm)	Frequency (GHz)	Result	Limit
5.5	3.55	5	2.480	1.118	3

The exclusion thresholds is 1.118< 3, therefore, the RF exposure evaluation is not required.

9.2 Test Results for Standalone SAR Test

Body SAR

GSM850 – Body SAR Test (Gap: 0mm)									
Plot No.	**Mode**	**Test Position Body**	**Frequency**		**Output Power (dBm)**	**Rated Limit (dBm)**	**Scaling Factor**	**SAR1g (W/kg)**	**Scaled SAR1g (W/kg)**
			CH.	**MHz**					
	GSM	Back Face	190	836.6	33.21	33.5	1.069	0.649	0.694
1.	GPRS_4TX	Back Face	190	836.6	29.83	30.0	1.040	0.674	**0.701**
	GPRS_4TX	Left Side	190	836.6	29.83	30.0	1.040	0.304	0.316
	GPRS_4TX	Top Side	190	836.6	29.83	30.0	1.040	0.049	0.051

GSM1900 – Body SAR Test (Gap: 0mm)									
Plot No.	**Mode**	**Test Position Body**	**Frequency**		**Output Power (dBm)**	**Rated Limit (dBm)**	**Scaling Factor**	**SAR1g (W/kg)**	**Scaled SAR1g (W/kg)**
			CH.	**MHz**					
2.	GSM	Back Face	512	1850.2	31.50	32.0	1.122	0.608	**0.682**
	GPRS_2TX	Back Face	512	1850.2	31.38	31.5	1.028	0.662	0.681
	GPRS_2TX	Left Side	512	1850.2	31.38	31.5	1.028	0.278	0.286
	GPRS_2TX	Top Side	512	1850.2	31.38	31.5	1.028	0.089	0.091

WCDMA Band 2 – Body SAR Test (Gap: 0mm)									
Plot No.	**Mode**	**Test Position Body**	**Frequency**		**Output Power (dBm)**	**Rated Limit (dBm)**	**Scaling Factor**	**SAR1g (W/kg)**	**Scaled SAR1g (W/kg)**
			CH.	**MHz**					
3.	RMC 12.2k	Back Face	9262	1852.4	25.21	25.5	1.069	0.693	**0.741**
	RMC 12.2k	Left Side	9262	1852.4	25.21	25.5	1.069	0.273	0.292
	RMC 12.2k	Top Side	9262	1852.4	25.21	25.5	1.069	0.061	0.065

WCDMA Band 4 – Body SAR Test (Gap: 0mm)									
Plot No.	**Mode**	**Test Position Body**	**Frequency**		**Output Power (dBm)**	**Rated Limit (dBm)**	**Scaling Factor**	**SAR1g (W/kg)**	**Scaled SAR1g (W/kg)**
			CH.	**MHz**					
4.	RMC 12.2k	Back Face	1312	1712.4	25.59	26.0	1.099	0.772	**0.848**
	RMC 12.2k	Left Side	1312	1712.4	25.59	26.0	1.099	0.511	0.562
	RMC 12.2k	Top Side	1312	1712.4	25.59	26.0	1.099	0.081	0.089
	RMC 12.2k	Back Face	1412	1732.4	25.35	26.0	1.161	0.728	0.846
	RMC 12.2k	Back Face	1513	1752.6	25.36	26.0	1.159	0.714	0.827

WCDMA Band 5 – Body SAR Test (Gap: 0mm)									
Plot No.	Mode	Test Position Body	Frequency		Output Power (dBm)	Rated Limit (dBm)	Scaling Factor	SAR1g (W/kg)	Scaled SAR1g (W/kg)
			CH.	MHz					
5.	RMC 12.2k	Back Face	4183	836.4	24.19	24.5	1.074	0.769	**0.826**
	RMC 12.2k	Left Side	4183	836.4	24.19	24.5	1.074	0.171	0.184
	RMC 12.2k	Top Side	4183	836.4	24.19	24.5	1.074	0.022	0.024
	RMC 12.2k	Back Face	4132	826.4	24.01	24.5	1.119	0.721	0.807
	RMC 12.2k	Back Face	4233	846.6	24.04	24.5	1.112	0.734	0.816

LTE Band 2–Body SAR Test (Gap: 0mm)								
Plot No.	Mode	Test Position Body	Frequency	Output Power (dBm)	Rated Limit (dBm)	Scaling Factor	SAR1g (W/kg)	Scaled SAR1g (W/kg)
	Modulation, Bandwidth, RB		MHz					
6.	QPSK 20MHz 1RB	Back Face	1900	24.83	25.0	1.040	0.493	**0.513**
	QPSK 20MHz 1RB	Left Side	1900	24.83	25.0	1.040	0.121	0.126
	QPSK 20MHz 1RB	Top Side	1900	24.83	25.0	1.040	0.015	0.016
	QPSK 20MHz 50%RB	Back Face	1900	24.83	25.0	1.040	0.376	0.391
	QPSK 20MHz 50%RB	Left Side	1900	24.83	25.0	1.040	0.099	0.103
	QPSK 20MHz 50%RB	Top Side	1900	24.83	25.0	1.040	0.013	0.014

LTE Band 4–Body SAR Test (Gap: 0mm)								
Plot No.	Mode	Test Position Body	Frequency	Output Power (dBm)	Rated Limit (dBm)	Scaling Factor	SAR1g (W/kg)	Scaled SAR1g (W/kg)
	Modulation, Bandwidth, RB		MHz					
7.	QPSK 20MHz 1RB	Back Face	1720.0	23.99	24.0	1.002	0.754	**0.756**
	QPSK 20MHz 1RB	Left Side	1720.0	23.99	24.0	1.002	0.396	0.397
	QPSK 20MHz 1RB	Top Side	1720.0	23.99	24.0	1.002	0.056	0.056
	QPSK 20MHz 50%RB	Back Face	1720.0	23.99	24.0	1.002	0.682	0.684
	QPSK 20MHz 50%RB	Left Side	1720.0	23.99	24.0	1.002	0.336	0.337
	QPSK 20MHz 50%RB	Top Side	1720.0	23.99	24.0	1.002	0.049	0.049

LTE Band 5–Body SAR Test (Gap: 0mm)								
Plot No.	**Mode**	**Test Position**	**Frequency**	**Output Power**	**Rated Limit**	**Scaling Factor**	**SAR1g (W/kg)**	**Scaled SAR1g (W/kg)**
	Modulation, Bandwidth, RB	**Body**	**MHz**	**(dBm)**	**(dBm)**			
8.	QPSK 10MHz 1RB	Back Face	844.0	23.74	24.0	1.062	0.672	**0.713**
	QPSK 10MHz 1RB	Left Side	844.0	23.74	24.0	1.062	0.176	0.187
	QPSK 10MHz 1RB	Top Side	844.0	23.74	24.0	1.062	0.026	0.028
	QPSK 10MHz 50%RB	Back Face	844.0	23.74	24.0	1.062	0.551	0.585
	QPSK 10MHz 50%RB	Left Side	844.0	23.74	24.0	1.062	0.148	0.157
	QPSK 10MHz 50%RB	Top Side	844.0	23.74	24.0	1.062	0.021	0.022

LTE Band 7–Body SAR Test (Gap: 0mm)								
Plot No.	**Mode**	**Test Position**	**Frequency**	**Output Power**	**Rated Limit**	**Scaling Factor**	**SAR1g (W/kg)**	**Scaled SAR1g (W/kg)**
	Modulation, Bandwidth, RB	**Body**	**MHz**	**(dBm)**	**(dBm)**			
	QPSK 20MHz 1RB	Back Face	2535.0	24.07	24.5	1.104	0.695	0.767
9.	QPSK 20MHz 1RB	Left Side	2535.0	24.07	24.5	1.104	0.758	**0.837**
	QPSK 20MHz 1RB	Top Side	2535.0	24.07	24.5	1.104	0.069	0.076
	QPSK 20MHz 50%RB	Back Face	2535.0	24.07	24.5	1.104	0.534	0.590
	QPSK 20MHz 50%RB	Left Side	2535.0	24.07	24.5	1.104	0.696	0.768
	QPSK 20MHz 50%RB	Top Side	2535.0	24.07	24.5	1.104	0.056	0.062

LTE Band 38–Body SAR Test (Gap: 0mm)								
Plot No.	**Mode**	**Test Position**	**Frequency**	**Output Power**	**Rated Limit**	**Scaling Factor**	**SAR1g (W/kg)**	**Scaled SAR1g (W/kg)**
	Modulation, Bandwidth, RB	**Body**	**MHz**	**(dBm)**	**(dBm)**			
10.	QPSK 20MHz 1RB	Back Face	2610	24.49	24.5	1.002	0.632	**0.633**
	QPSK 20MHz 1RB	Left Side	2610	24.49	24.5	1.002	0.226	0.227
	QPSK 20MHz 1RB	Top Side	2610	24.49	24.5	1.002	0.025	0.025
	QPSK 20MHz 50%RB	Back Face	2610	24.49	24.5	1.002	0.532	0.533
	QPSK 20MHz 50%RB	Left Side	2610	24.49	24.5	1.002	0.193	0.193
	QPSK 20MHz 50%RB	Top Side	2610	24.49	24.5	1.002	0.020	0.020

LTE Band 40(2305-2315MHz)–Body SAR Test (Gap: 0mm)								
Plot No.	**Mode**	**Test Position**	**Frequency**	**Output Power**	**Rated Limit**	**Scaling Factor**	**SAR1g (W/kg)**	**Scaled SAR1g (W/kg)**
	Modulation, Bandwidth, RB	**Body**	**MHz**	**(dBm)**	**(dBm)**			
11.	QPSK 10MHz 1RB	Back Face	2310	24.32	24.5	1.042	0.736	**0.767**
	QPSK 10MHz 1RB	Left Side	2310	24.32	24.5	1.042	0.176	0.183
	QPSK 10MHz 1RB	Top Side	2310	24.32	24.5	1.042	0.052	0.054
	QPSK 10MHz 50%RB	Back Face	2310	24.32	24.5	1.042	0.588	0.613
	QPSK 10MHz 50%RB	Left Side	2310	24.32	24.5	1.042	0.140	0.146
	QPSK 10MHz 50%RB	Top Side	2310	24.32	24.5	1.042	0.041	0.043

LTE Band 40(2350-2360MHz)–Body SAR Test (Gap: 0mm)								
Plot No.	**Mode**	**Test Position**	**Frequency**	**Output Power**	**Rated Limit**	**Scaling Factor**	**SAR1g (W/kg)**	**Scaled SAR1g (W/kg)**
	Modulation, Bandwidth, RB	**Body**	**MHz**	**(dBm)**	**(dBm)**			
12.	QPSK 10MHz 1RB	Back Face	2355.0	24.31	24.5	1.045	0.760	**0.794**
	QPSK 10MHz 1RB	Left Side	2355.0	24.31	24.5	1.045	0.218	0.228
	QPSK 10MHz 1RB	Top Side	2355.0	24.31	24.5	1.045	0.054	0.056
	QPSK 10MHz 50%RB	Back Face	2355.0	24.31	24.5	1.045	0.645	0.674
	QPSK 10MHz 50%RB	Left Side	2355.0	24.31	24.5	1.045	0.183	0.191
	QPSK 10MHz 50%RB	Top Side	2355.0	24.31	24.5	1.045	0.043	0.045

LTE Band 41–Body SAR Test (Gap: 0mm)								
Plot No.	**Mode**	**Test Position**	**Frequency**	**Output Power**	**Rated Limit**	**Scaling Factor**	**SAR1g (W/kg)**	**Scaled SAR1g (W/kg)**
	Modulation, Bandwidth, RB	**Body**	**MHz**	**(dBm)**	**(dBm)**			
13.	QPSK 20MHz 1RB	Back Face	2593.0	24.72	25.0	1.067	0.539	**0.575**
	QPSK 20MHz 1RB	Left Side	2593.0	24.72	25.0	1.067	0.186	0.198
	QPSK 20MHz 1RB	Top Side	2593.0	24.72	25.0	1.067	0.021	0.022
	QPSK 20MHz 50%RB	Back Face	2593.0	24.72	25.0	1.067	0.428	0.457
	QPSK 20MHz 50%RB	Left Side	2593.0	24.72	25.0	1.067	0.148	0.158
	QPSK 20MHz 50%RB	Top Side	2593.0	24.72	25.0	1.067	0.016	0.017

WLAN 2.4GHz –Body SAR Test (Gap: 0mm)									
Plot No.	Mode	Test Position Body	Frequency		Output Power (dBm)	Rated Limit (dBm)	Scaling Factor	SAR1g (W/kg)	Scaled SAR1g (W/kg)
			CH.	MHz					
	802.11b	Back Face	06	2437	16.10	16.5	1.096	0.375	0.411
	802.11b	Right Side	06	2437	16.10	16.5	1.096	0.025	0.027
14.	802.11b	Top Side	06	2437	16.10	16.5	1.096	0.385	**0.422**

WLAN 5.2GHz– Body SAR Test (Gap: 0mm)									
Plot No.	Mode	Test Position Body	Frequency		Output Power (dBm)	Rated Limit (dBm)	Scaling Factor	SAR1g (W/kg)	Scaled SAR1g (W/kg)
			CH.	MHz					
	802.11a	Back Face	48	5240	15.16	15.5	1.081	0.266	0.288
	802.11a	Right Side	48	5240	15.16	15.5	1.081	0.155	0.168
15.	802.11a	Top Side	48	5240	15.16	15.5	1.081	0.399	**0.431**

WLAN 5.3GHz– Body SAR Test (Gap: 0mm)									
Plot No.	Mode	Test Position Body	Frequency		Output Power (dBm)	Rated Limit (dBm)	Scaling Factor	SAR1g (W/kg)	Scaled SAR1g (W/kg)
			CH.	MHz					
	802.11a	Back Face	52	5260	14.09	14.5	1.099	0.202	0.222
	802.11a	Right Side	52	5260	14.09	14.5	1.099	0.140	0.154
16.	802.11a	Top Side	52	5260	14.09	14.5	1.099	0.357	**0.392**

WLAN 5.6GHz– Body SAR Test (Gap: 0mm)									
Plot No.	Mode	Test Position Body	Frequency		Output Power (dBm)	Rated Limit (dBm)	Scaling Factor	SAR1g (W/kg)	Scaled SAR1g (W/kg)
			CH.	MHz					
	802.11a	Back Face	100	5500	11.89	12.0	1.026	0.311	0.319
	802.11a	Right Side	100	5500	11.89	12.0	1.026	0.252	0.258
17.	802.11a	Top Side	100	5500	11.89	12.0	1.026	0.450	**0.462**

WLAN 5.8GHz– Body SAR Test (Gap: 0mm)									
Plot No.	Mode	Test Position Body	Frequency		Output Power (dBm)	Rated Limit (dBm)	Scaling Factor	SAR1g (W/kg)	Scaled SAR1g (W/kg)
			CH.	MHz					
	802.11a	Back Face	157	5785	13.94	14.0	1.014	0.404	0.410
	802.11a	Right Side	157	5785	13.94	14.0	1.014	0.209	0.212
18.	802.11a	Top Side	157	5785	13.94	14.0	1.014	0.448	**0.454**

UHF (902-928MHz)–Body SAR Test (Gap: 0mm)								
Plot No.	**Mode**	**Test Position Body**	**Frequency MHz**	**Output Power (dBm)**	**Rated Limit (dBm)**	**Scaling Factor**	**SAR1g (W/kg)**	**Scaled SAR1g (W/kg)**
	RF ID	Back Face	902.75	11.50	12.0	1.122	0.190	0.213
	RF ID	Back Face	914.75	11.41	11.5	1.021	0.204	0.208
19.	RF ID	Back Face	927.25	11.61	12.0	1.094	0.217	**0.237**

Remark:

1) Repeated measurement is not required when the original highest measured SAR is < 0.80 W/kg; steps 2) through 4) do not apply.

2) When the original highest measured SAR is ≥ 0.80 W/kg, repeat that measurement once.

3) Perform a second repeated measurement only if the ratio of largest to smallest SAR for the original and first repeated measurements is > 1.20 or when the original or repeated measurement is ≥ 1.45 W/kg (~ 10% from the 1-g SAR limit).

4) Perform a third repeated measurement only if the original, first or second repeated measurement is ≥ 1.5 W/kg and the ratio of largest to smallest SAR for the original, first and second repeated measurements is > 1.20.

9.3 Simultaneous Multi-band Transmission SAR Analysis

List of Mode for Simultaneous Multi-band Transmission

No.	Configurations	Body SAR
1	GSM(Voice/Data) + WLAN(2.4GHz)(Data) + UHF (902-928MHz) (Data)	Yes
2	WCDMA (Voice/Data)+ WLAN(2.4GHz)(Data) + UHF (902-928MHz) (Data)	Yes
3	LTE(Data) + WLAN(2.4GHz)(Data) + UHF (902-928MHz) (Data)	Yes
4	GSM(Voice/Data) + WLAN(5GHz)(Data) + UHF (902-928MHz) (Data)	Yes
5	WCDMA (Voice/Data)+ WLAN(5GHz)(Data) + UHF (902-928MHz) (Data)	Yes
6	LTE(Data) + WLAN(5GHz)(Data) + UHF (902-928MHz) (Data)	Yes
7	GSM(Voice/Data) + Bluetooth(Data) + UHF (902-928MHz) (Data)	Yes
8	WCDMA (Voice/Data) + Bluetooth(Data) + UHF (902-928MHz) (Data)	Yes
9	LTE(Data) + Bluetooth(Data)+ UHF (902-928MHz) (Data)	Yes

Remark:

1. GSM ,WCDMA and LTE share the same antenna, and cannot transmit simultaneously.

2. WLAN and Bluetooth share the same antenna, and cannot transmit simultaneously.

3. According to the KDB 447498 D01 v06, when standalone SAR test exclusion applies to an antenna that transmits simultaneously with other antennas, the standalone SAR must be estimated according to following to determine simultaneous transmission SAR test exclusion:

(max. power of channel, including tune-up tolerance, mW)/(min. test separation distance, mm)]·[√f(GHz)/x] W/kg for test separation distances ≤ 50 mm;

where x = 7.5 for 1-g SAR, and x = 18.75 for 10-g SAR.

For simultaneous transmission analysis, Bluetooth SAR is estimated per KDB 447498 D01 v06 as below:

Bluetooth:

Tune-Up Power (dBm)	Max. Power (mW)	Distance (mm)	Frequency (GHz)	X	SAR(1g) 5mm	SAR(1g) 10mm
5.5	3.55	5/10	2.48	7.5	0.149	0.075

4. The maximum SAR summation is calculated based on the same configuration and test position.

Body SAR

	WWAN		WLAN(2.4GHz)	UHF (902-928MHz)	Summed SAR (W/kg)
Position	**Band**	**Scaled SAR (W/kg)**	**Scaled SAR (W/kg)**	**Scaled SAR (W/kg)**	
Back	GSM	**0.701**	0.411	**0.237**	1.349
Front	GSM	--	--	--	--
Right side	GSM	--	--	--	--
Left side	GSM	0.316	0.027	--	0.343
Bottom side	GSM	--	--	--	--
Top side	GSM	0.091	**0.422**	--	0.513
Back	WCDMA	**0.848**	0.411	**0.237**	**1.496**
Front	WCDMA	--	--	--	--
Right side	WCDMA	--	--	--	--
Left side	WCDMA	0.562	0.027	--	0.589
Bottom side	WCDMA	--	--	--	--
Top side	WCDMA	0.089	**0.422**	--	0.511
Back	LTE	0.794	0.411	**0.237**	1.442
Front	LTE	--	--	--	--
Right side	LTE	--	--	--	--
Left side	LTE	**0.837**	0.027	--	0.864
Bottom side	LTE	--	--	--	--
Top side	LTE	0.076	**0.422**	--	0.498

	WWAN		WLAN(5GHz)	UHF (902-928MHz)	Summed SAR (W/kg)
Position	**Band**	**Scaled SAR (W/kg)**	**Scaled SAR (W/kg)**	**Scaled SAR (W/kg)**	
Back	GSM	**0.701**	0.410	**0.237**	1.348
Front	GSM	--	--	--	--
Right side	GSM	--	0.258	--	0.258
Left side	GSM	0.316	--	--	0.316
Bottom side	GSM	--	--	--	--
Top side	GSM	0.091	**0.462**	--	0.553
Back	WCDMA	**0.848**	0.410	**0.237**	**1.495**
Front	WCDMA	--	--	--	--
Right side	WCDMA	--	0.258	--	0.258
Left side	WCDMA	0.562	--	--	0.562
Bottom side	WCDMA	--	--	--	--
Top side	WCDMA	0.089	**0.462**	--	0.551
Back	LTE	0.794	0.410	**0.237**	1.441
Front	LTE	--	--	--	--
Right side	LTE	--	0.258	--	--
Left side	LTE	**0.837**	--	--	0.837
Bottom side	LTE	--	--	--	--
Top side	LTE	0.076	**0.462**	--	0.538

	WWAN		Bluetooth	UHF (902-928MHz)	Summed SAR (W/kg)
Position	**Band**	**Scaled SAR (W/kg)**	**Scaled SAR (W/kg)**	**Scaled SAR (W/kg)**	
Back	GSM	**0.701**	0.149	**0.237**	1.087
Front	GSM	--	0.149	--	0.149
Right side	GSM	--	0.149	--	0.149
Left side	GSM	0.316	0.149	--	0.465
Bottom side	GSM	--	0.149	--	0.149
Top side	GSM	0.091	0.149	--	0.240
Back	WCDMA	**0.848**	0.149	**0.237**	1.234
Front	WCDMA	--	0.149	--	0.149
Right side	WCDMA	--	0.149	--	0.149
Left side	WCDMA	0.562	0.149	--	0.711
Bottom side	WCDMA	--	0.149	--	0.149
Top side	WCDMA	0.089	0.149	--	0.238
Back	LTE	0.794	0.149	**0.237**	**1.180**
Front	LTE	--	0.149	--	0.149
Right side	LTE	--	0.149	--	0.149
Left side	LTE	**0.837**	0.149	--	0.986
Bottom side	LTE	--	0.149	--	0.149
Top side	LTE	0.076	0.149	--	0.225

10. Measurement Uncertainty

10.1 Uncertainty for SAR Test

a	b	c	d	e= f(d,k)	f	g	h= c*f/e	i= c*g/e	k
Uncertainty Component	**Sec.**	**Tol (+- %)**	**Prob. Dist.**	**Div.**	**Ci (1g)**	**Ci (10g)**	**1g Ui (+-%)**	**10g Ui (+-%)**	**Vi**
Measurement System									
Probe calibration	E.2.1	7.0	N	1	1	1	7.00	7.00	∝
Axial Isotropy	E.2.2	2.5	R	√3	(1_Cp)^1/2	(1_Cp)^1/2	1.02	1.02	∝
Hemispherical Isotropy	E.2.2	4.0	R	√3	(Cp)^1/2	(Cp)^1/2	1.63	1.63	∝
Boundary effect	E.2.3	1.0	R	√3	1	1	0.58	0.58	∝
Linearity	E.2.4	5.0	R	√3	1	1	2.89	2.89	∝
System detection limits	E.2.5	1.0	R	√3	1	1	0.58	0.58	∝
Readout Electronics	E.2.6	0.02	N	1	1	1	0.02	0.02	∝
Reponse Time	E.2.7	3.0	R	√3	1	1	1.73	1.73	∝
Integration Time	E.2.8	2.0	R	√3	1	1	1.15	1.15	∝
RF ambient Conditions – Noise	E.6.1	0	R	√3	1	1	1.73	1.73	∝
RF ambient Conditions - Reflections	E.6.1	0	R	√3	1	1	1.73	1.73	∝
Probe positioner Mechanical Tolerance	E.6.2	2.0	R	√3	1	1	1.15	1.15	∝
Probe positioning with respect to Phantom Shell	E.6.3	0.05	R	√3	1	1	0.03	0.03	∝
Extrapolation, interpolation and integration Algoritms for Max. SAR Evaluation	E.5	5.0	R	√3	1	1	2.89	2.89	∝
Test Sample Related									
Test sample positioning	E.4.2	0.03	N	1	1	1	0.03	0.03	N–1
Device Holder Uncertainty	E.4.1	5.00	N	1	1	1	5.00	5.00	
Output power Variation - SAR drift measurement	E.2.9	12.02	R	√3	1	1	6.94	6.94	∝
SAR scaling	E6.5	0.0	R	√3	1	1	0.0	0.0	∝
Phantom and Tissue Parameters									
Phantom Uncertainty (Shape and thickness tolerances)	E.3.1	0.05	R	√3	1	1	0.03	0.03	∝
Uncertainty in SAR correction for deviations in permittivity and conductivity	E3.2	1.9	R	√3	1	0.84	1.10	0.90	∝

Liquid conductivity - deviation from target value	E.3.2	5.00	R	√3	0.64	0.43	1.85	1.24	∝
Liquid conductivity - measurement uncertainty	E.3.3	5.00	N	1	0.64	0.43	3.20	2.15	∝
Liquid permittivity - deviation from target value	E.3.2	0.37	R	√3	0.6	0.49	0.13	0.10	∝
Liquid permittivity - measurement uncertainty	E.3.3	10.00	N	1	0.6	0.49	6.00	4.90	∝
Combined Standard Uncertainty			RSS				10.20	10.00	
Expanded Uncertainty (95% Confidence interval)			K=2				20.40	20.00	

Annex A. Plots of System Performance Check

MEASUREMENT 1

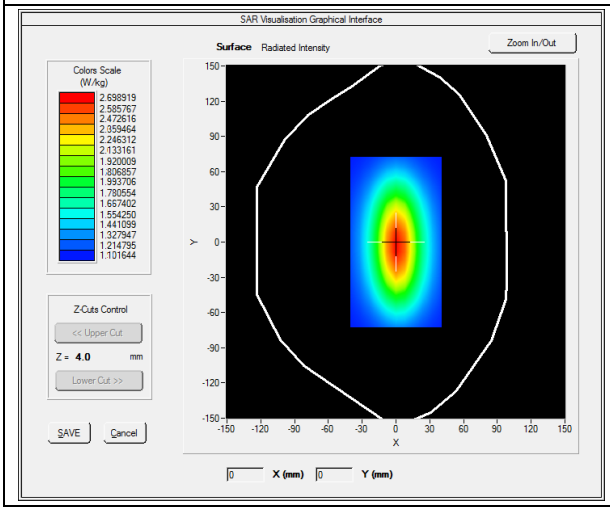
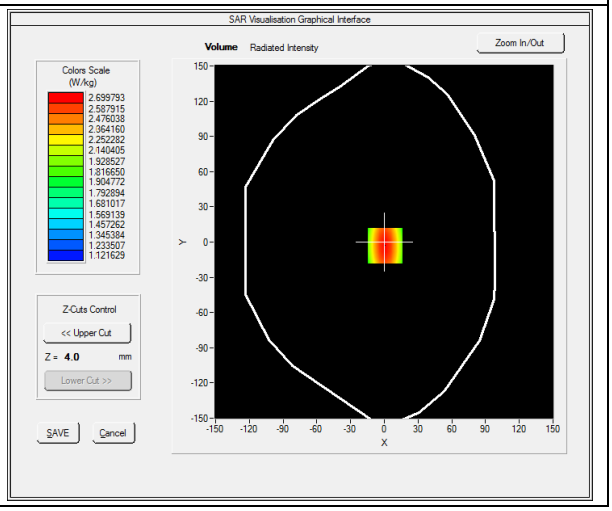
Type: Validation measurement (Fast, 75.00 %)
Measurement duration: 7 minutes 21 seconds
E-field Probe: SSE2 - SN 18/21 EPGO356; ConvF: 1.79; Calibrated: 2021-07-16

A. Experimental conditions

Area Scan	dx=8mm dy=8mm
Zoom Scan	dx=5mm dy=5mm dz=4mm
Phantom	Validation plane
Device Position	Dipole
Band	CW835
Signal	Duty Cycle 1:1

B. SAR Measurement Results

Frequency (MHz)	835.000000
Relative Permittivity (real part)	53.340245
Conductivity (S/m)	0.951245
Power Variation (%)	0.428437
Ambient Temperature	22.2
Liquid Temperature	22.2

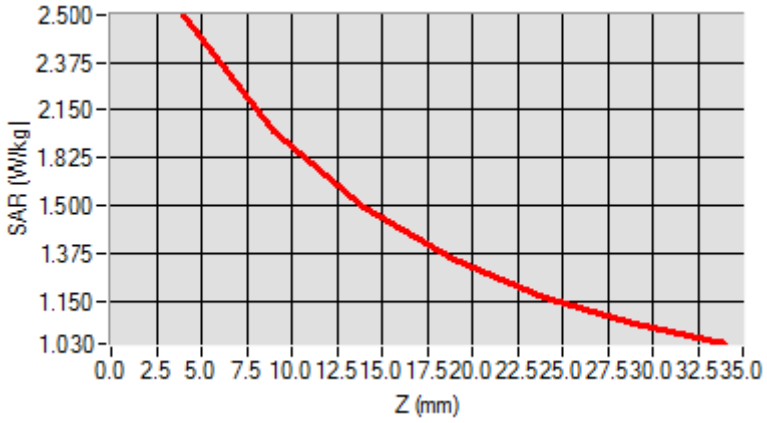
SURFACE SAR	VOLUME SAR
	

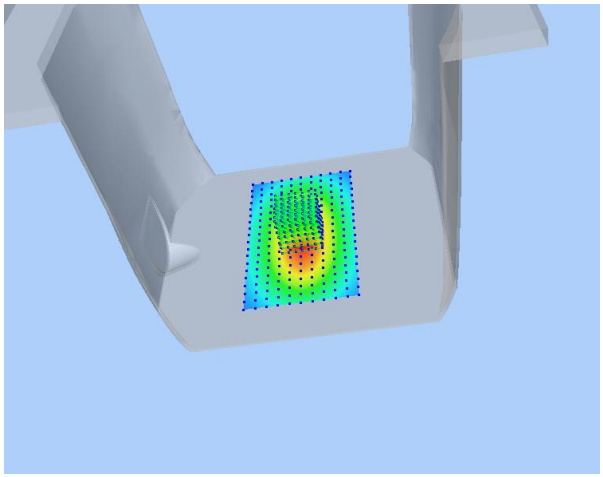
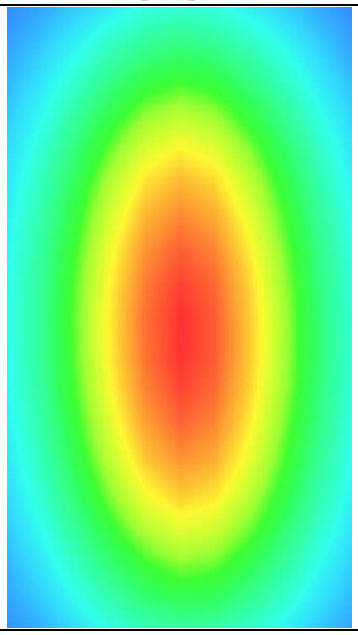
Maximum location: X=0.00, Y=0.00

SAR 10g (W/Kg)	1.519489
SAR 1g (W/Kg)	2.511253

Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.0000	2.4900	1.8942	1.4811	1.3541	1.1123	1.0539



3D screen shot	Hot spot position
	

MEASUREMENT 2

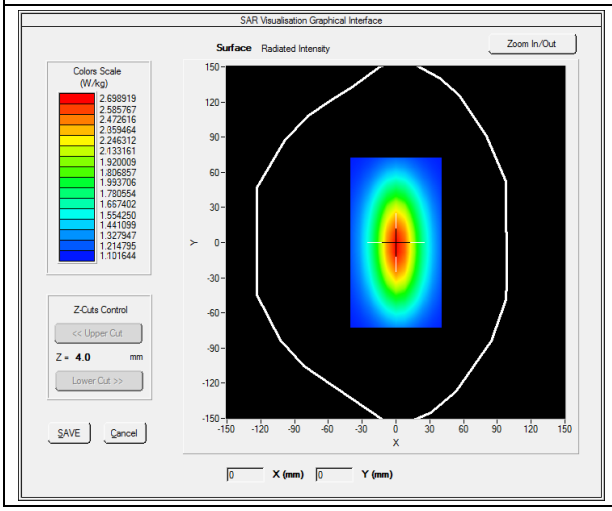
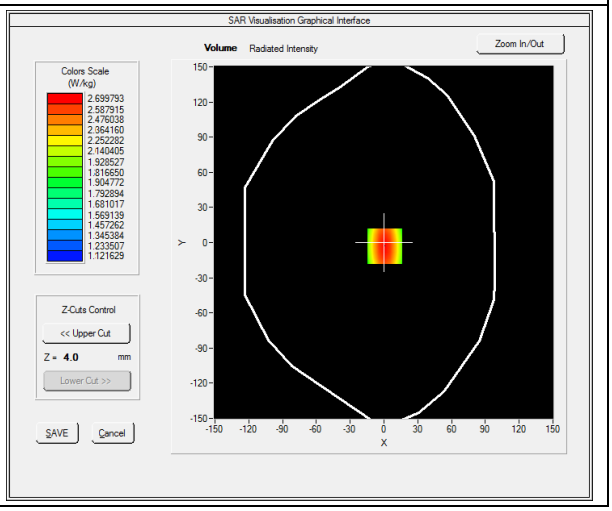
Type: Validation measurement (Fast, 75.00 %)
Measurement duration: 7 minutes 21 seconds
E-field Probe: SSE2 - SN 18/21 EPGO356; ConvF: 1.85; Calibrated: 2021-07-16

A. Experimental conditions

Area Scan	dx=8mm dy=8mm
Zoom Scan	dx=5mm dy=5mm dz=4mm
Phantom	Validation plane
Device Position	Dipole
Band	CW900
Signal	Duty Cycle 1:1

B. SAR Measurement Results

Frequency (MHz)	900.000000
Relative Permittivity (real part)	54.491245
Conductivity (S/m)	1.061245
Power Variation (%)	0.038437
Ambient Temperature	22.2
Liquid Temperature	22.2

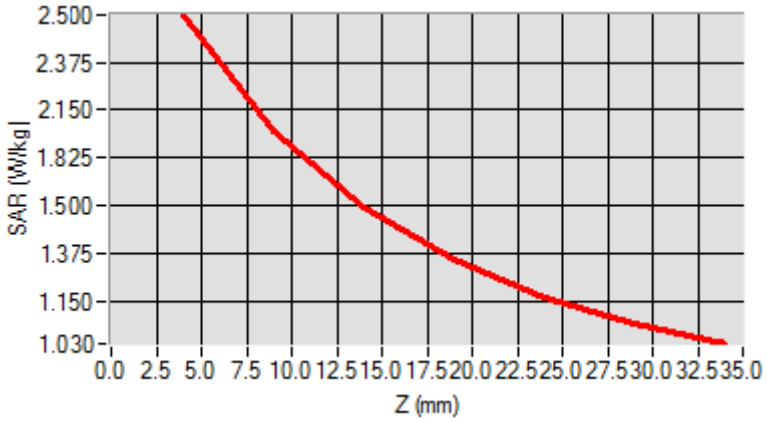
SURFACE SAR	VOLUME SAR
	

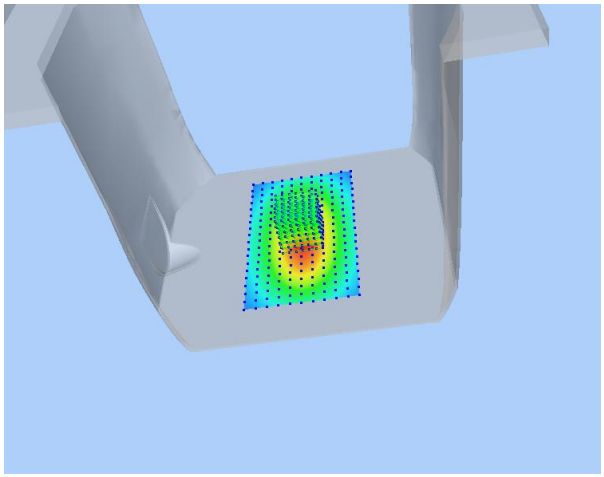
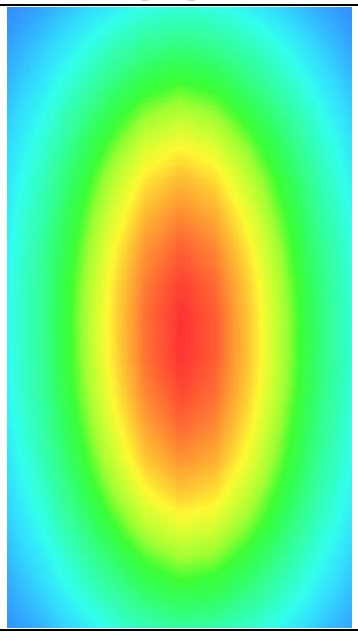
Maximum location: X=0.00, Y=0.00

SAR 10g (W/Kg)	1.448489
SAR 1g (W/Kg)	2.521253

Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.0000	2.4900	1.9952	1.5861	1.4531	1.2173	1.1519



3D screen shot	Hot spot position
	

MEASUREMENT 3

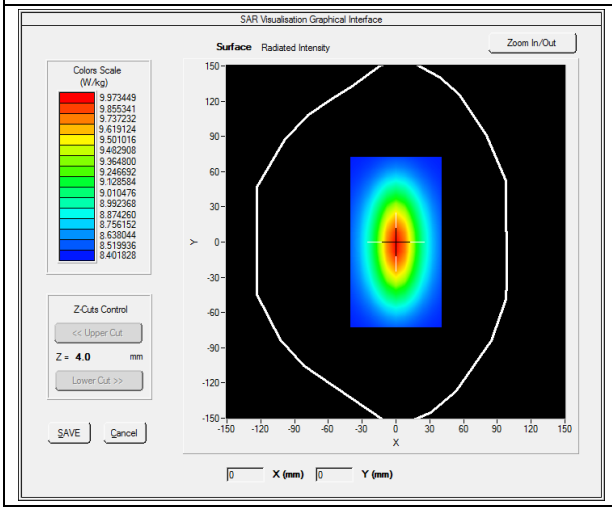
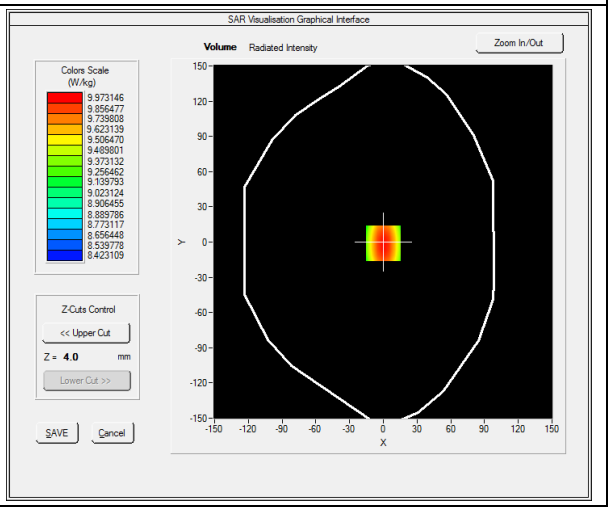
Type: Validation measurement (Fast, 75.00 %)
Measurement duration: 12 minutes 21 seconds
E-field Probe: SSE2 - SN 18/21 EPGO356; ConvF: 2.15; Calibrated: 2021-07-16

A. Experimental conditions

Area Scan	dx=8mm dy=8mm
Zoom Scan	dx=5mm dy=5mm dz=4mm
Phantom	Validation plane
Device Position	Dipole
Band	CW1800
Signal	CW (Crest factor: 1.0)

B. SAR Measurement Results

Frequency (MHz)	1800.000000
Relative Permittivity (real part)	52.111090
Conductivity (S/m)	1.512510
Power Variation (%)	1.041232
Ambient Temperature	22.2
Liquid Temperature	22.2

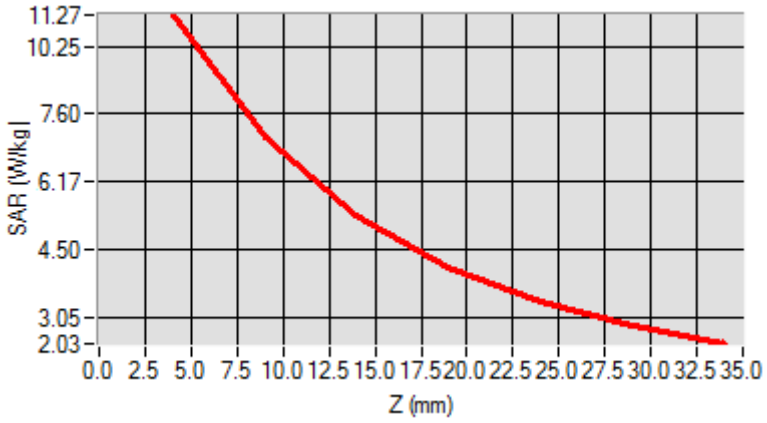
SURFACE SAR	VOLUME SAR
	

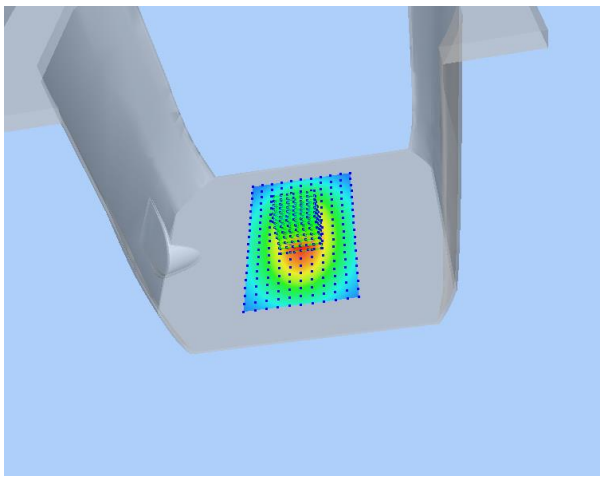
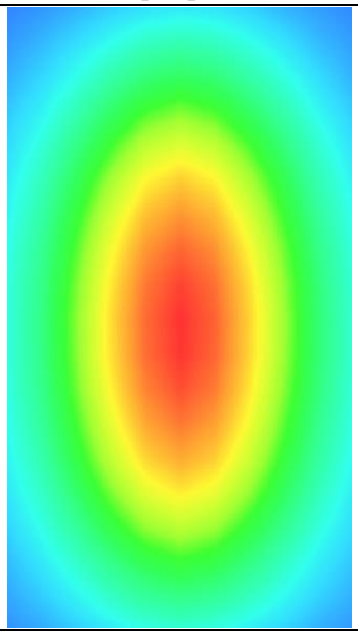
Maximum location: X=0.00, Y=0.00

SAR 10g (W/Kg)	5.081252
SAR 1g (W/Kg)	9.461217

Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.0000	10.3455	7.1125	5.1026	3.425	3.0242	2.1125



3D screen shot	Hot spot position
	

MEASUREMENT 4

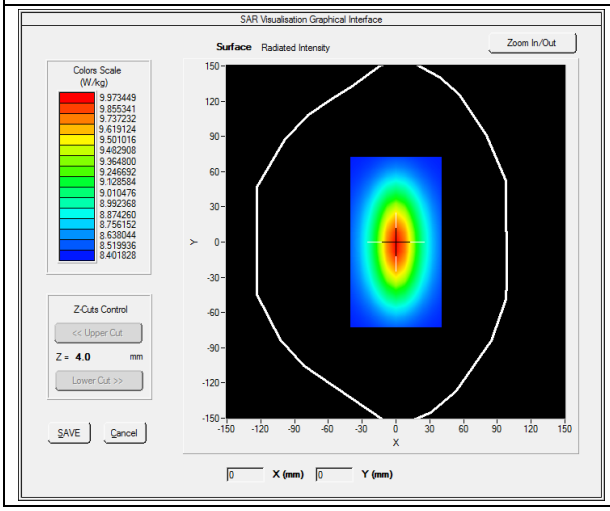
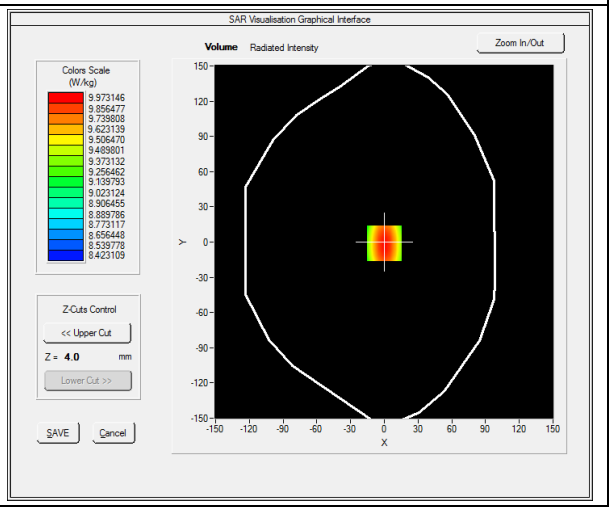
Type: Validation measurement (Fast, 75.00 %)
Measurement duration: 12 minutes 21 seconds
E-field Probe: SSE2 - SN 18/21 EPGO356; ConvF: 2.31; Calibrated: 2021-07-16

A. Experimental conditions

Area Scan	dx=8mm dy=8mm
Zoom Scan	dx=5mm dy=5mm dz=4mm
Phantom	Validation plane
Device Position	Dipole
Band	CW1900
Signal	Duty Cycle 1:1

B. SAR Measurement Results

Frequency (MHz)	1900.000000
Relative Permittivity (real part)	52.421245
Conductivity (S/m)	1.503607
Power Variation (%)	1.022540
Ambient Temperature	22.2
Liquid Temperature	22.2

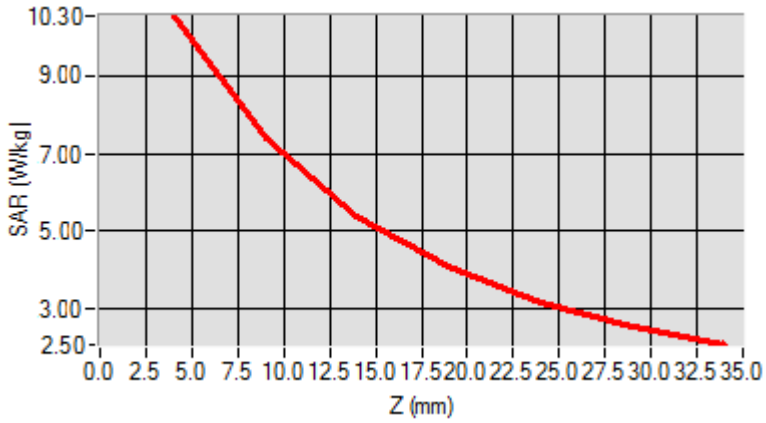
SURFACE SAR	VOLUME SAR
	

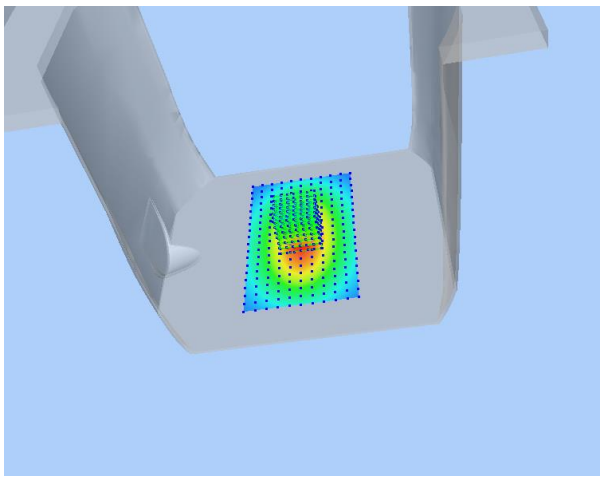
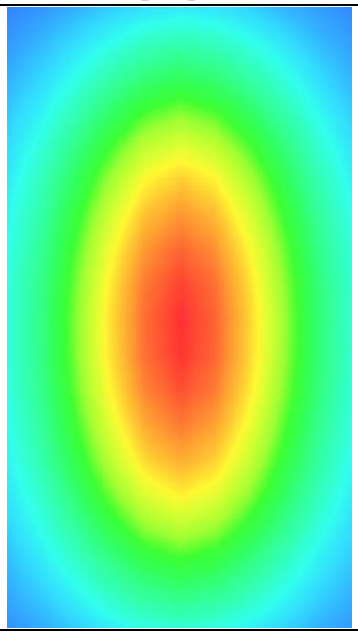
Maximum location: X=0.00, Y=0.00

SAR 10g (W/Kg)	5.174526
SAR 1g (W/Kg)	9.913214

Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.0000	10.2354	6.8400	5.0121	4.1189	3.0522	2.8424



3D screen shot	Hot spot position
	

MEASUREMENT 5

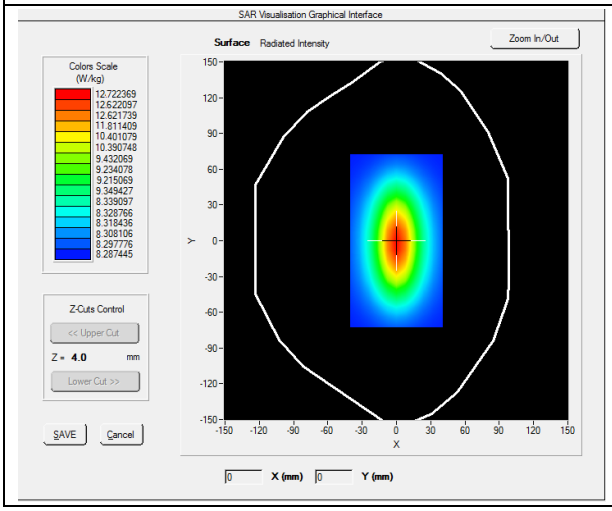
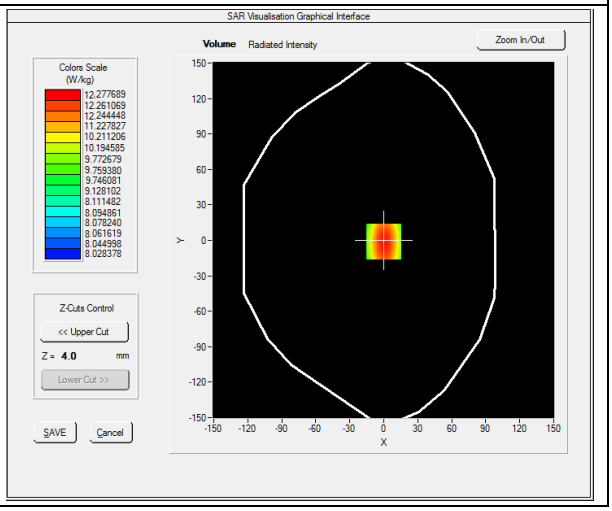
Type: Validation measurement (Fast, 75.00 %)
Measurement duration: 12 minutes 21 seconds
E-field Probe: SSE2 - SN 18/21 EPGO356; ConvF: 2.62; Calibrated: 2021-07-16

A. Experimental conditions

Area Scan	dx=8mm dy=8mm
Zoom Scan	dx=5mm dy=5mm dz=4mm
Phantom	Validation plane
Device Position	Dipole
Band	CW2300
Signal	Duty Cycle 1:1

B. SAR Measurement Results

Frequency (MHz)	2300.000000
Relative Permittivity (real part)	51.262124
Conductivity (S/m)	1.782554
Power Variation (%)	1.009745
Ambient Temperature	22.2
Liquid Temperature	22.2

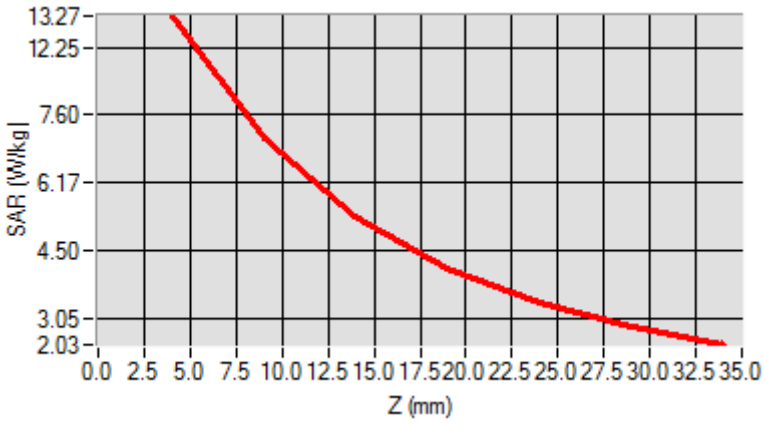
SURFACE SAR	VOLUME SAR
	

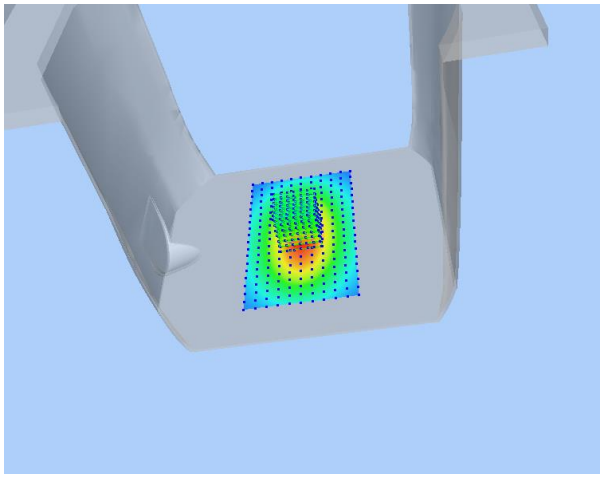
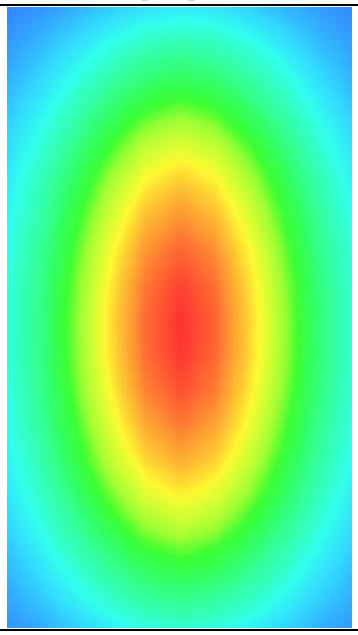
Maximum location: X=0.00, Y=0.00

SAR 10g (W/Kg)	6.114210
SAR 1g (W/Kg)	12.505243

Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.0000	13.1891	11.7779	9.2852	8.5315	6.3698	4.6231



3D screen shot	Hot spot position
	

MEASUREMENT 6

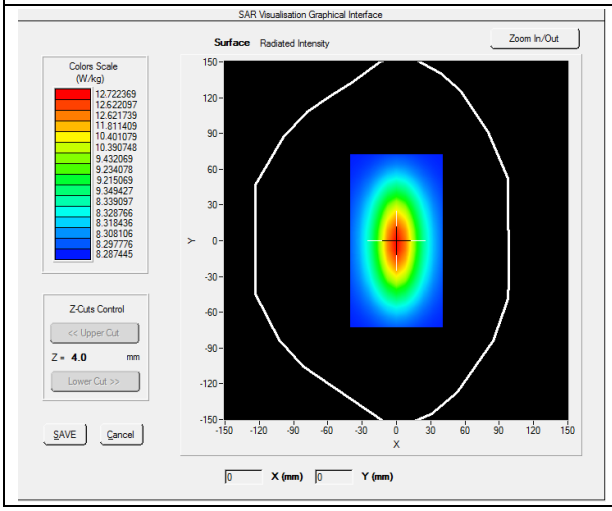
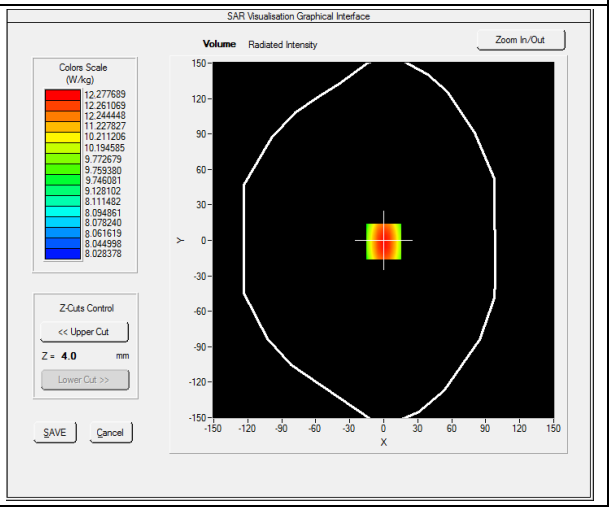
Type: Validation measurement (Fast, 75.00 %)
Measurement duration: 12 minutes 21 seconds
E-field Probe: SSE2 - SN 18/21 EPGO356; ConvF: 2.62; Calibrated: 2021-07-16

A. Experimental conditions

Area Scan	dx=8mm dy=8mm
Zoom Scan	dx=5mm dy=5mm dz=4mm
Phantom	Validation plane
Device Position	Dipole
Band	CW2450
Signal	Duty Cycle 1:1

B. SAR Measurement Results

Frequency (MHz)	2450.000000
Relative Permittivity (real part)	53.682128
Conductivity (S/m)	1.942655
Power Variation (%)	1.369745
Ambient Temperature	22.2
Liquid Temperature	22.2

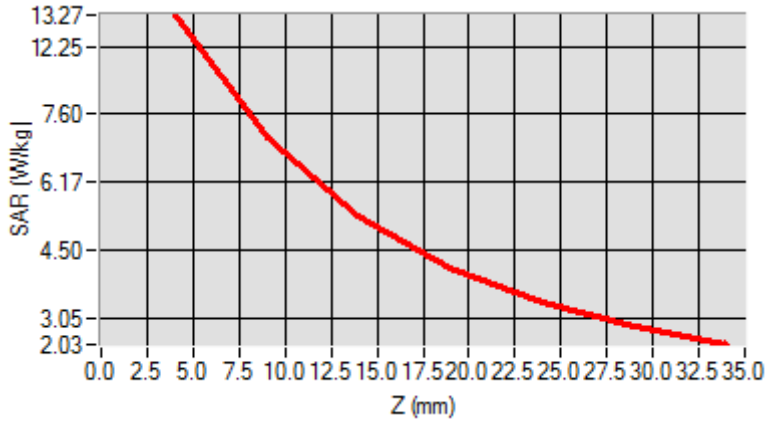
SURFACE SAR	**VOLUME SAR**
	

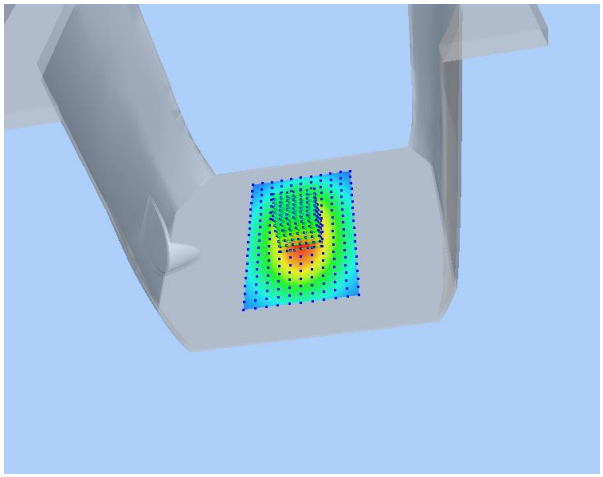
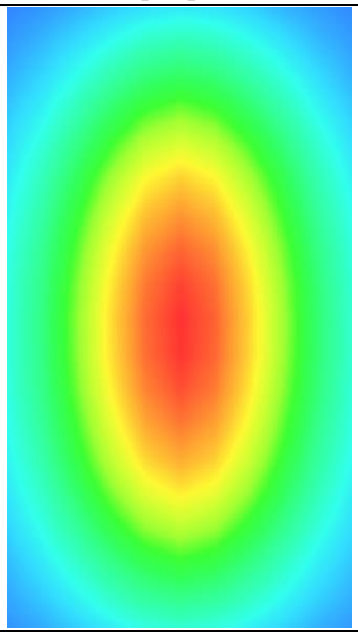
Maximum location: X=0.00, Y=0.00

SAR 10g (W/Kg)	**6.119522**
SAR 1g (W/Kg)	**12.592360**

Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.0000	13.1911	11.7951	9.2945	8.5400	6.3712	4.6225



3D screen shot	Hot spot position
	

MEASUREMENT 7

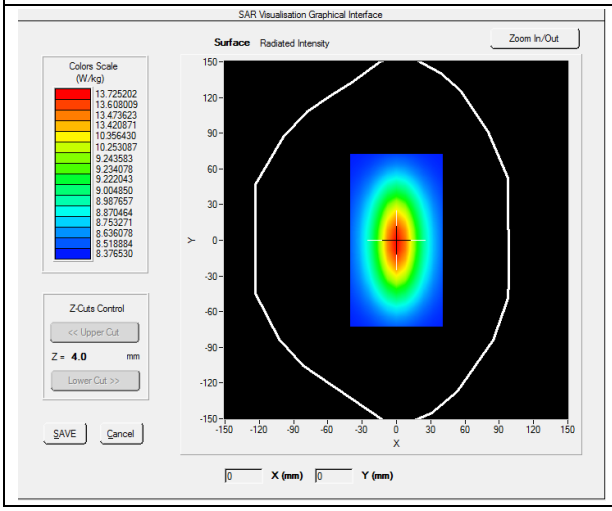
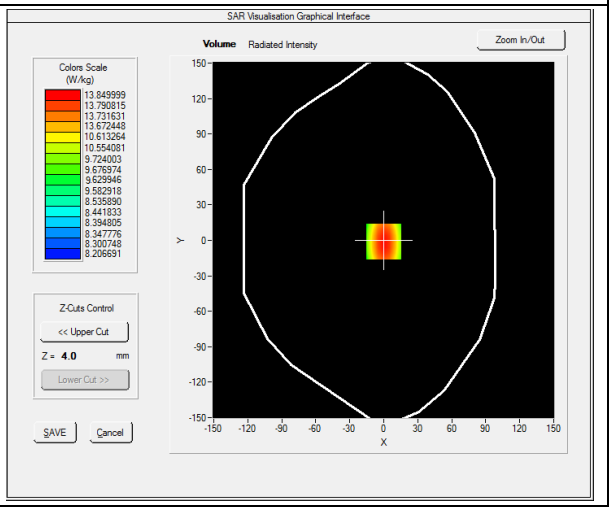
Type: Validation measurement (Fast, 75.00 %)
Measurement duration: 12 minutes 21 seconds
E-field Probe: SSE2 - SN 18/21 EPGO356; ConvF: 2.41; Calibrated: 2021-07-16

A. Experimental conditions

Area Scan	dx=8mm dy=8mm
Zoom Scan	dx=5mm dy=5mm dz=4mm
Phantom	Validation plane
Device Position	Dipole
Band	CW2600
Signal	Duty Cycle 1:1

B. SAR Measurement Results

Frequency (MHz)	2600.000000
Relative Permittivity (real part)	52.244092
Conductivity (S/m)	2.123182
Power Variation (%)	0.886021
Ambient Temperature	22.2
Liquid Temperature	22.2

SURFACE SAR	**VOLUME SAR**
	

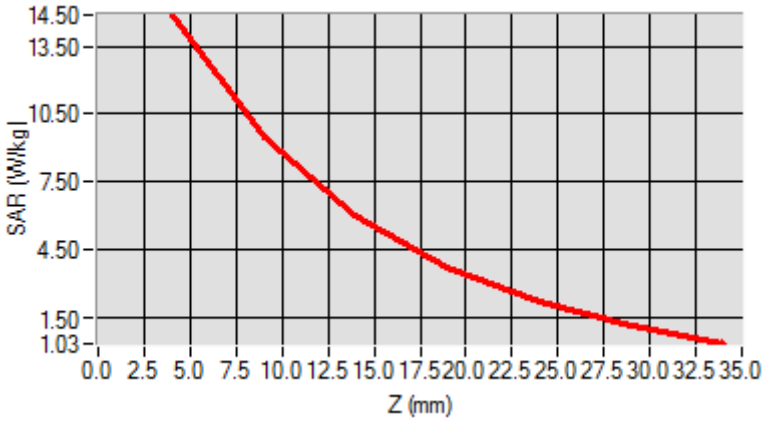
Maximum location: X=0.00, Y=0.00

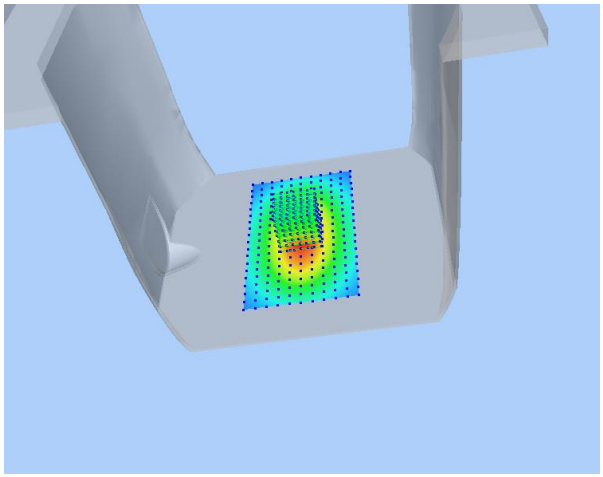
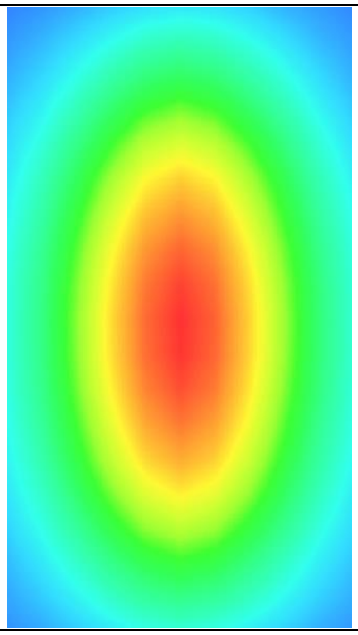
SAR 10g (W/Kg)	**8.230801**

SAR 1g (W/Kg)	13.539282

Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.0000	14.0426	12.1354	10.2965	7.4854	5.9354	4.5186



3D screen shot	Hot spot position
	

MEASUREMENT 8

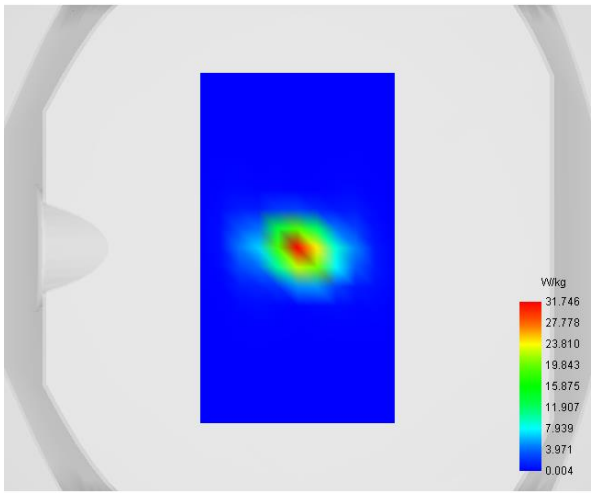
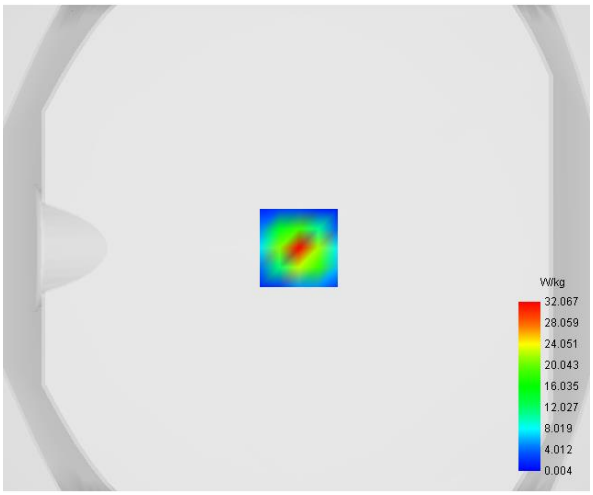
Type: Validation measurement (Fast, 75.00 %)
Measurement duration: 12 minutes 21 seconds
E-field Probe: SSE2 - SN 18/21 EPGO356; ConvF: 1.82; Calibrated: 2021-07-16

A. Experimental conditions

Area Scan	dx=8mm dy=8mm
Zoom Scan	dx=4mm dy=4mm dz=2mm
Phantom	Validation plane
Device Position	Dipole
Band	CW5200
Signal	Duty Cycle 1:1

B. SAR Measurement Results

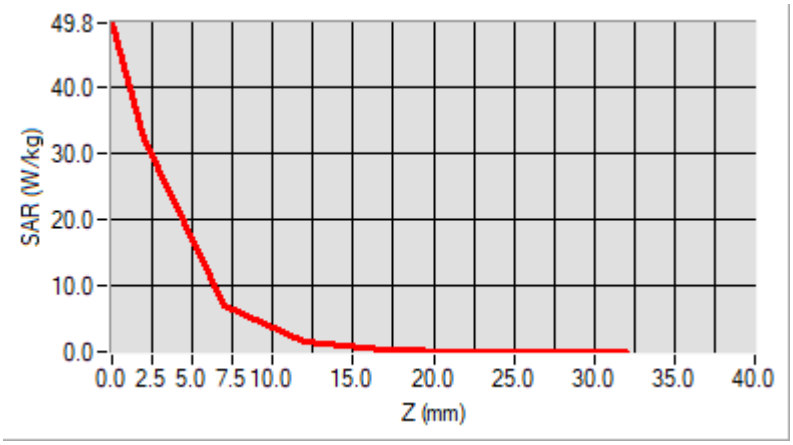
Frequency (MHz)	5200.000000
Relative Permittivity (real part)	48.582415
Conductivity (S/m)	5.262135
Power Variation (%)	0.749201
Ambient Temperature	22.3
Liquid Temperature	22.3

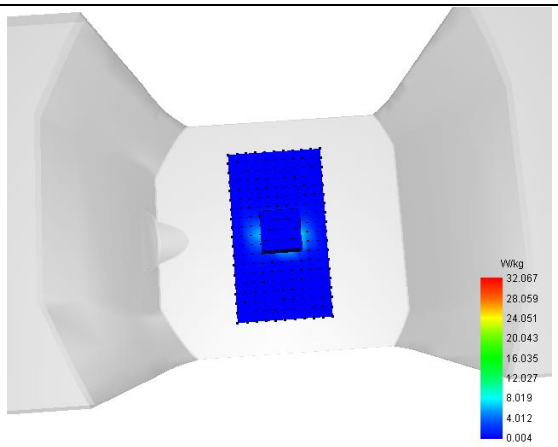
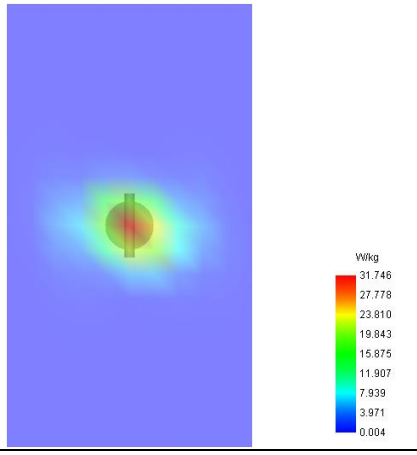
SURFACE SAR	VOLUME SAR
	

Maximum location: X=1.00, Y=0.00

SAR 10g (W/Kg)	6.047588
SAR 1g (W/Kg)	16.681175

Z (mm)	0.00	2.00	7.00	12.00	17.00	22.00	27.00
SAR (W/Kg)	49.8193	32.0669	7.0244	1.5969	0.3410	0.0635	0.0070



3D screen shot	Hot spot position
	

MEASUREMENT 9

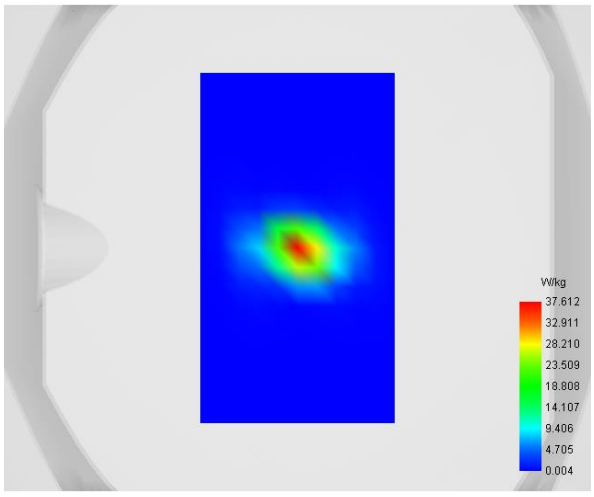
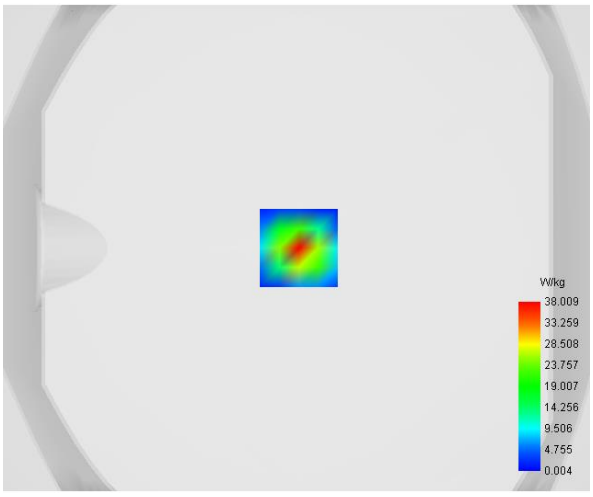
Type: Validation measurement (Fast, 75.00 %)
Measurement duration: 12 minutes 21 seconds
E-field Probe: SSE2 - SN 18/21 EPGO356; ConvF: 2.02; Calibrated: 2021-07-16

A. Experimental conditions

Area Scan	dx=8mm dy=8mm
Zoom Scan	dx=4mm dy=4mm dz=2mm
Phantom	Validation plane
Device Position	Dipole
Band	CW5400
Signal	CW (Crest factor: 1.0)

B. SAR Measurement Results

Frequency (MHz)	5400.000000
Relative Permittivity (real part)	48.643911
Conductivity (S/m)	5.564833
Power Variation (%)	0.943782
Ambient Temperature	22.3
Liquid Temperature	22.3

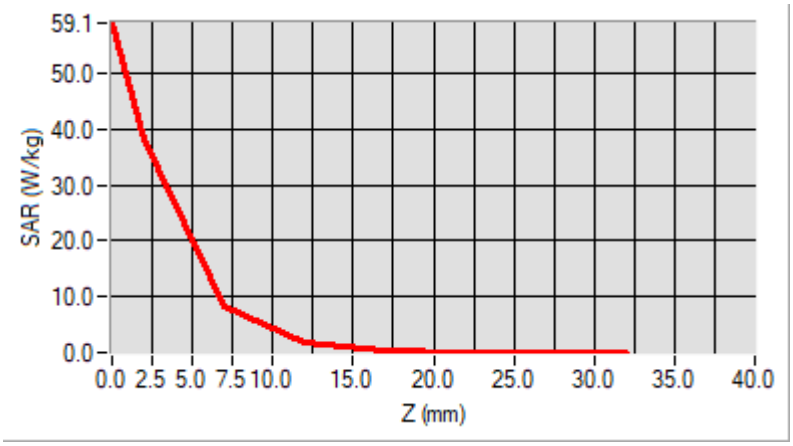
SURFACE SAR	VOLUME SAR
	

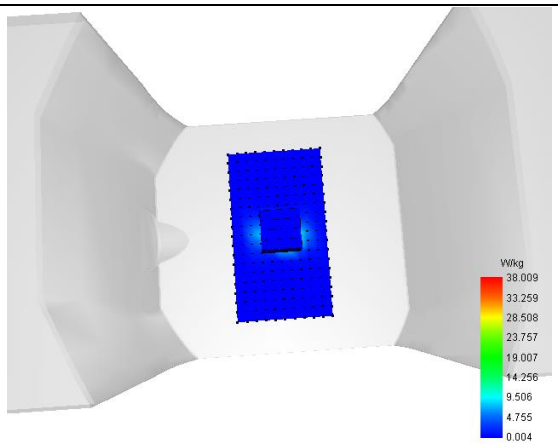
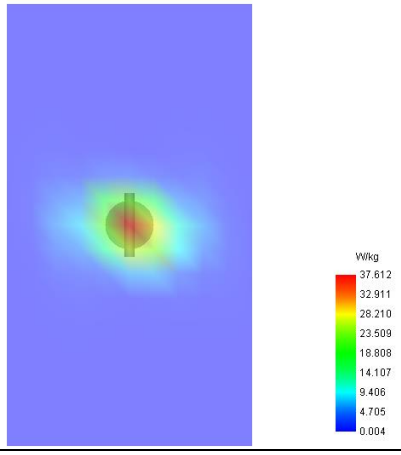
Maximum location: X=1.00, Y=0.00

SAR 10g (W/Kg)	**5.872241**

SAR 1g (W/Kg)	17.329716

Z (mm)	0.00	2.00	7.00	12.00	17.00	22.00	27.00
SAR (W/Kg)	59.0521	38.0093	8.3284	1.8732	0.3993	0.0816	0.0132



3D screen shot	Hot spot position
	

MEASUREMENT 10

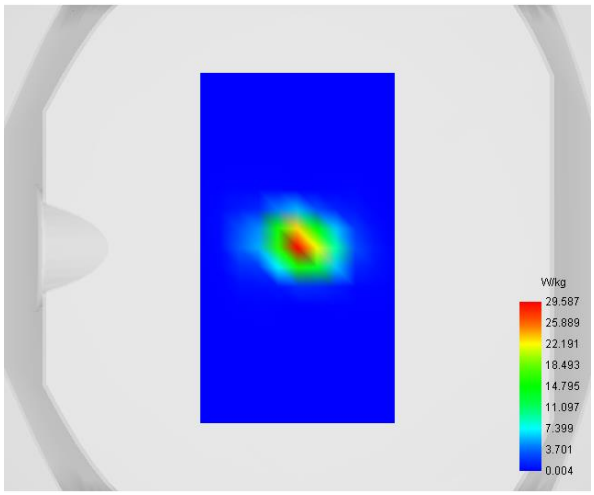
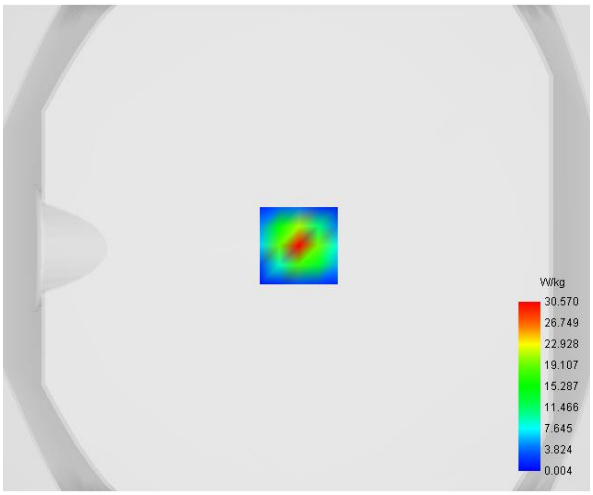
Type: Validation measurement (Fast, 75.00 %)
Measurement duration: 12 minutes 21 seconds
E-field Probe: SSE2 - SN 18/21 EPGO356; ConvF: 2.20; Calibrated: 2021-07-16

A. Experimental conditions

Area Scan	dx=8mm dy=8mm
Zoom Scan	dx=4mm dy=4mm dz=2mm
Phantom	Validation plane
Device Position	Dipole
Band	CW5600
Signal	Duty Cycle 1:1

B. SAR Measurement Results

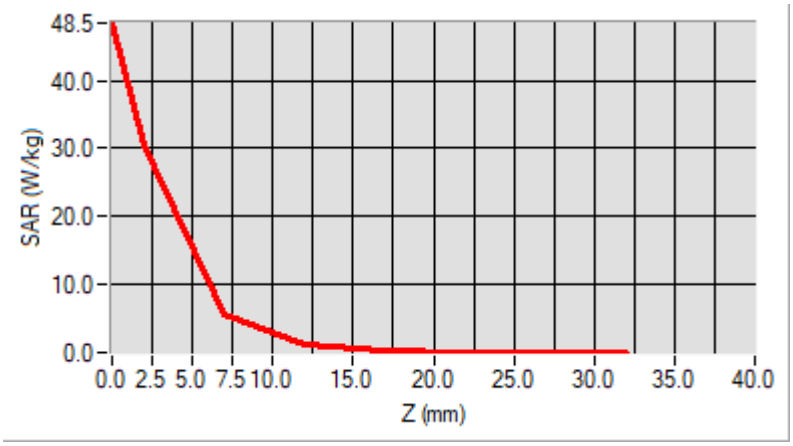
Frequency (MHz)	5600.000000
Relative Permittivity (real part)	48.472143
Conductivity (S/m)	5.683688
Power Variation (%)	0.749201
Ambient Temperature	22.3
Liquid Temperature	22.3

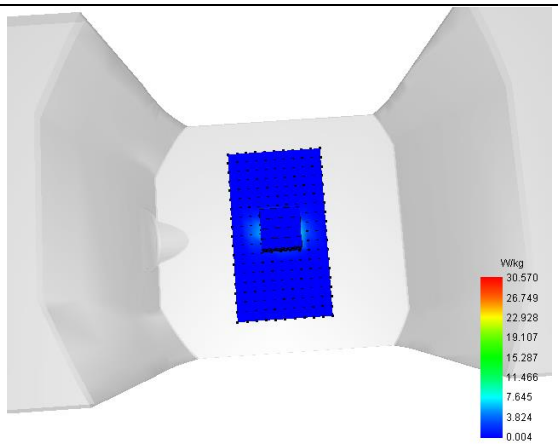
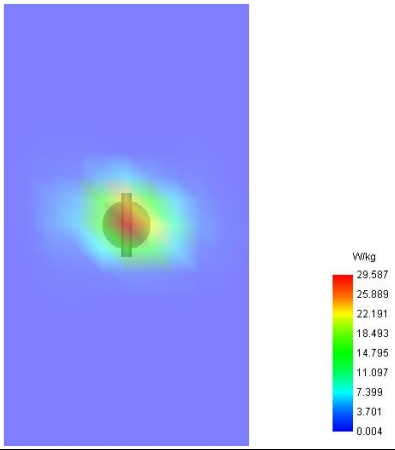
SURFACE SAR	VOLUME SAR
	

Maximum location: X=1.00, Y=1.00

SAR 10g (W/Kg)	5.912341
SAR 1g (W/Kg)	17.110732

Z (mm)	0.00	2.00	7.00	12.00	17.00	22.00	27.00
SAR (W/Kg)	48.4695	30.5699	5.7100	1.0698	0.1906	0.0364	0.0052



3D screen shot	Hot spot position
	

MEASUREMENT 11

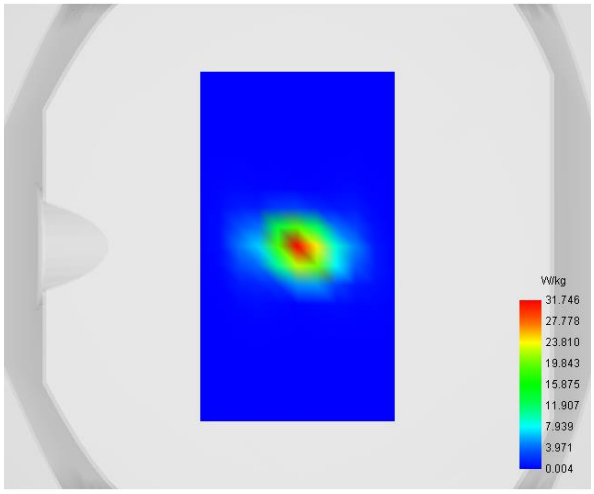
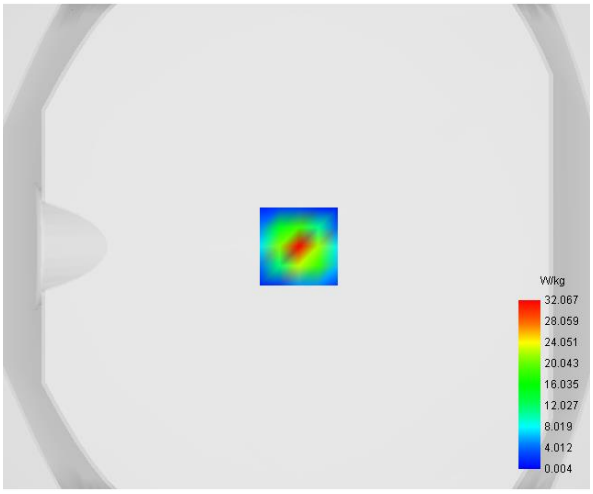
Type: Validation measurement (Fast, 75.00 %)
Measurement duration: 12 minutes 21 seconds
E-field Probe: SSE2 - SN 18/21 EPGO356; ConvF: 2.11; Calibrated: 2021-07-16

A. Experimental conditions

Area Scan	dx=8mm dy=8mm
Zoom Scan	dx=4mm dy=4mm dz=2mm
Phantom	Validation plane
Device Position	Dipole
Band	CW5800
Signal	Duty Cycle 1:1

B. SAR Measurement Results

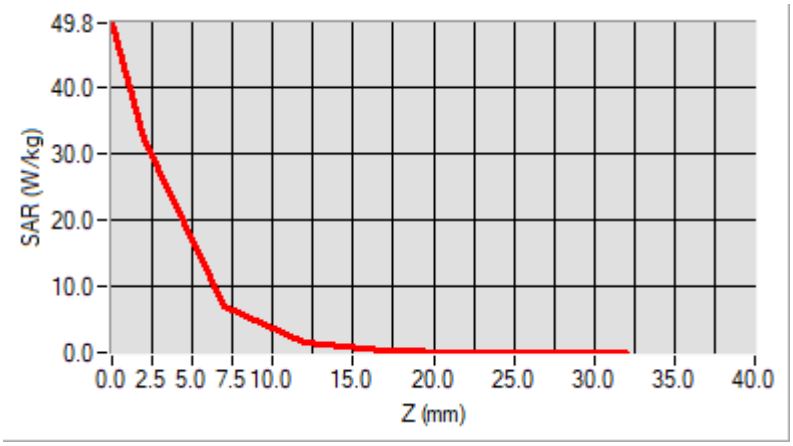
Frequency (MHz)	5800.000000
Relative Permittivity (real part)	48.361939
Conductivity (S/m)	5.891487
Power Variation (%)	0.749201
Ambient Temperature	22.3
Liquid Temperature	22.3

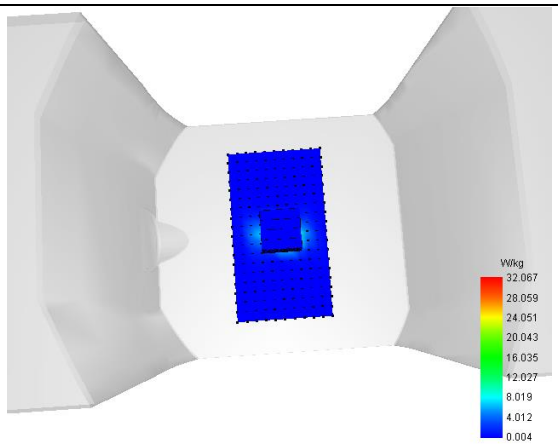
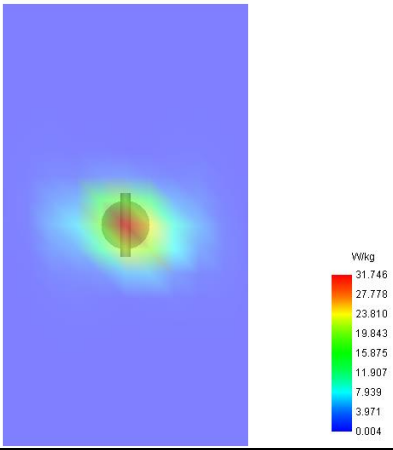
SURFACE SAR	VOLUME SAR
	

Maximum location: X=1.00, Y=0.00

SAR 10g (W/Kg)	6.047588
SAR 1g (W/Kg)	16.681175

Z (mm)	0.00	2.00	7.00	12.00	17.00	22.00	27.00
SAR (W/Kg)	49.8193	32.0669	7.0244	1.5969	0.3410	0.0635	0.0070



3D screen shot	Hot spot position
	

Annex B. Plots of SAR Measurement

MEASUREMENT 1

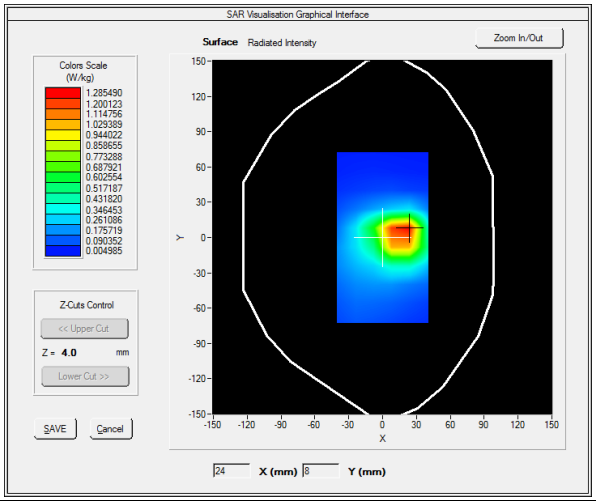
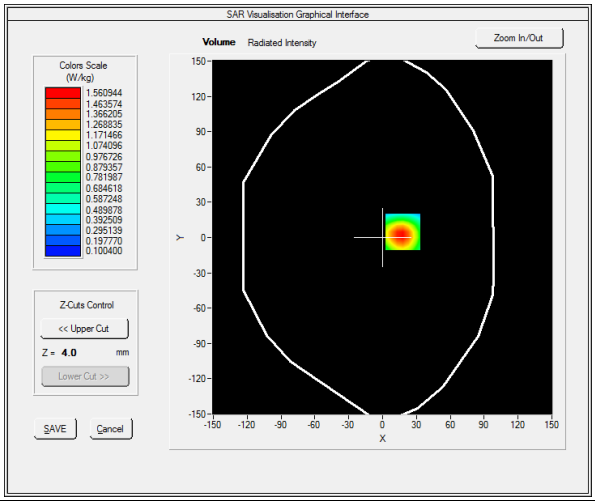
Type: Phone measurement (Complete)
Date of measurement: 2022-06-14
Measurement duration: 11 minutes 48 seconds

A. Experimental conditions

Area Scan	dx=10mm dy=10mm
Zoom Scan	dx=5mm dy=5mm dz=4mm
Phantom	Flat Plane
Device Position	Back
Band	GPRS900_4TX
Channels	Middle
Signal	Duty Cycle: 1:2

B. SAR Measurement Results

Frequency (MHz)	836.600000
Relative Permittivity (real part)	53.342454
Conductivity (S/m)	0.951245
Power Variation (%)	1.074536
Ambient Temperature	22.2
Liquid Temperature	22.2

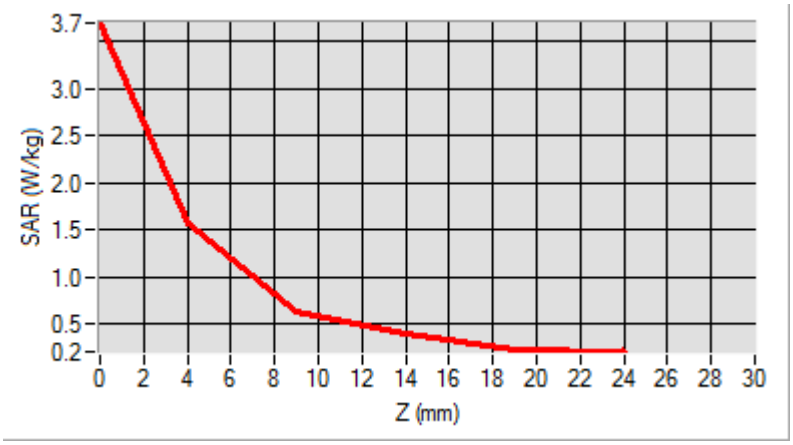
SURFACE SAR	VOLUME SAR
	

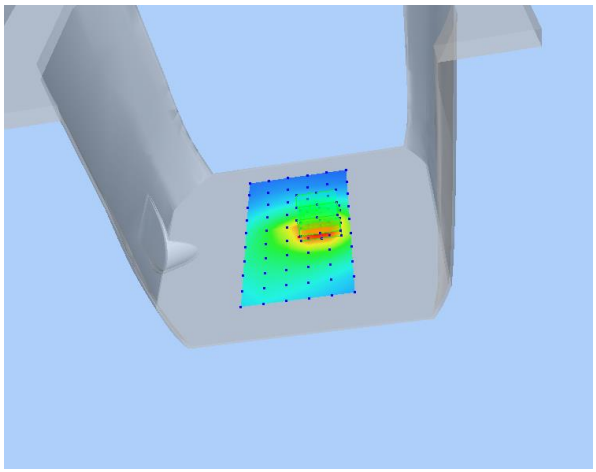
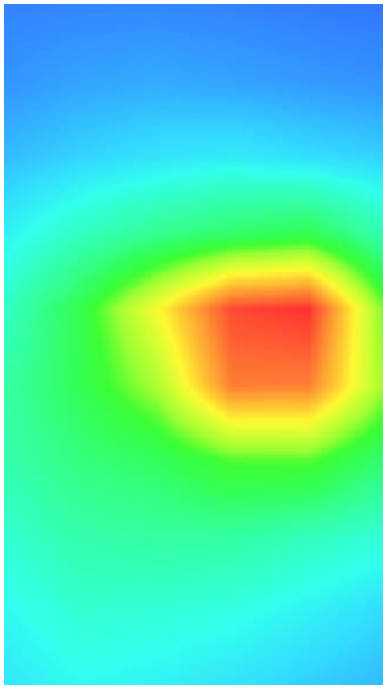
Maximum location: X=18.00, Y=5.00

SAR Peak: 1.80 W/kg

SAR 10g (W/Kg)	0.373519
SAR 1g (W/Kg)	0.674215

Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	3.7008	1.5609	0.6265	0.3934	0.2247



3D screen shot	Hot spot position
	

MEASUREMENT 2

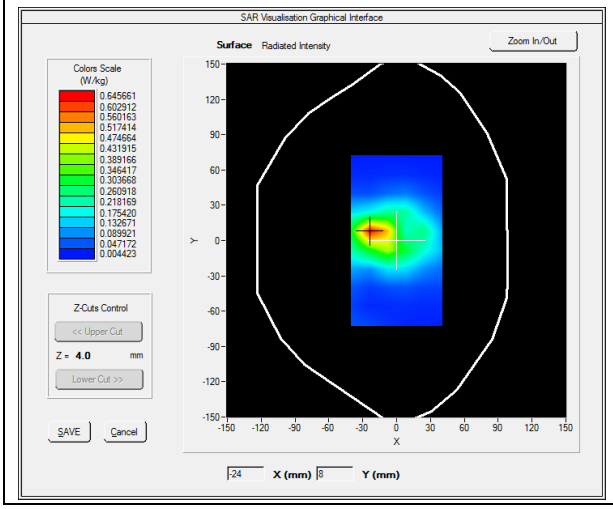
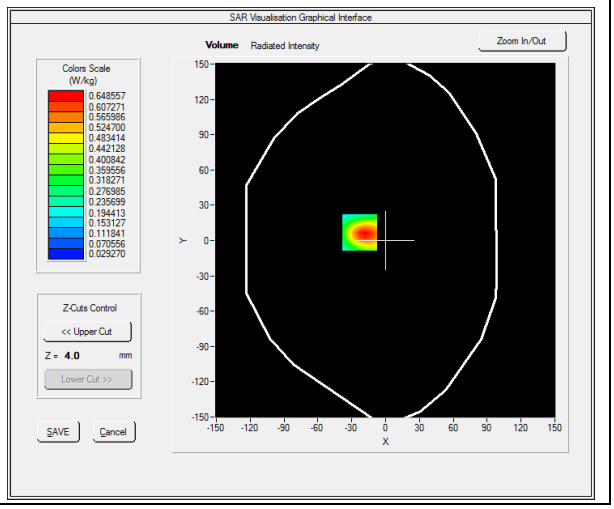
Type: Phone measurement (Complete)
Date of measurement: 2022-06-14
Measurement duration: 11 minutes 48 seconds

A. Experimental conditions

Area Scan	dx=10mm dy=10mm
Zoom Scan	dx=5mm dy=5mm dz=4mm
Phantom	Flat Plane
Device Position	Back
Band	GSM1900
Channels	Low
Signal	Duty Cycle: 1:1

B. SAR Measurement Results

Frequency (MHz)	1850.200000
Relative Permittivity (real part)	52.114124
Conductivity (S/m)	1.515369
Power Variation (%)	-0.150000
Ambient Temperature	22.2
Liquid Temperature	22.2

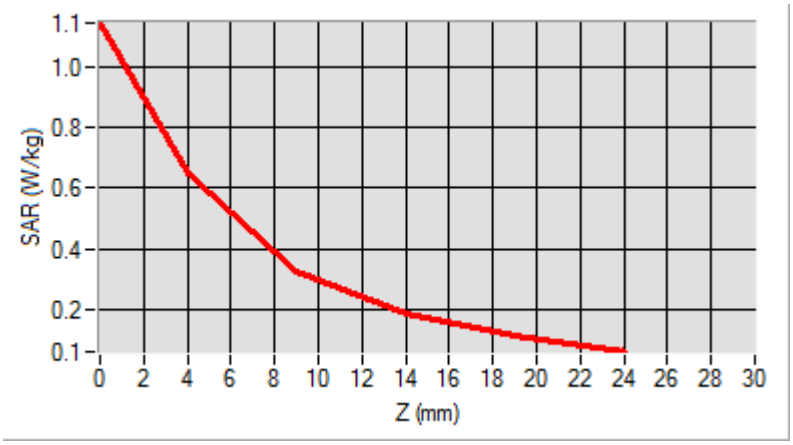
SURFACE SAR	VOLUME SAR
	

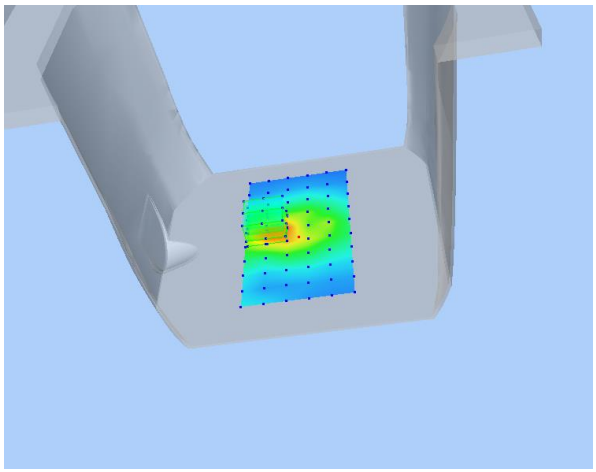
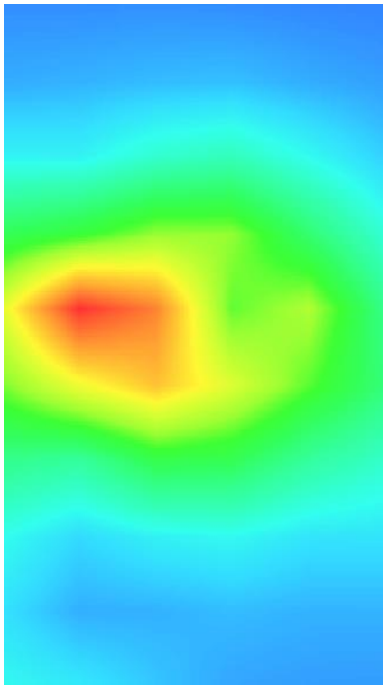
Maximum location: X=-23.00, Y=7.00

SAR Peak: 1.07 W/kg

SAR 10g (W/Kg)	0.325823
SAR 1g (W/Kg)	0.607506

Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	1.1436	0.6486	0.3248	0.1838	0.1159



3D screen shot	Hot spot position
	

MEASUREMENT 3

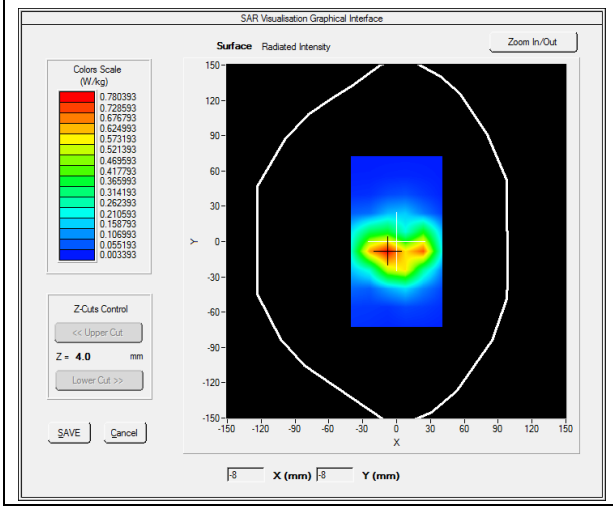
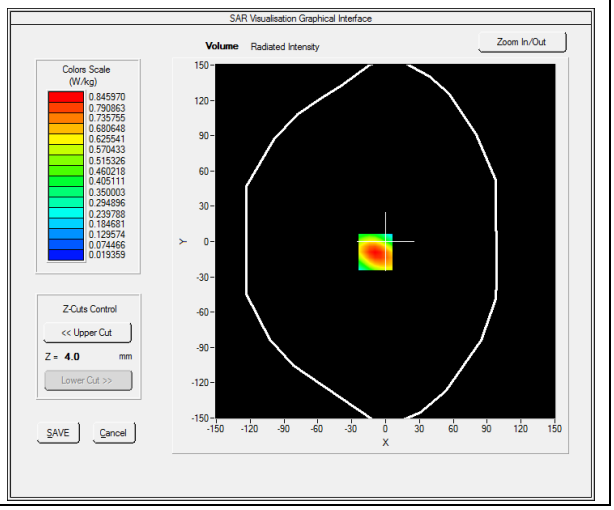
Type: Phone measurement (Complete)
Date of measurement: 2022-06-14
Measurement duration: 12 minutes 3 seconds

A. Experimental conditions

Area Scan	dx=10mm dy=10mm
Zoom Scan	dx=5mm dy=5mm dz=4mm
Phantom	Flat Plane
Device Position	Back
Band	WCDMA1900_RMC
Channels	Low
Signal	Duty Cycle 1:1

B. SAR Measurement Results

Frequency (MHz)	1852.400000
Relative Permittivity (real part)	52.110124
Conductivity (S/m)	1.513607
Power Variation (%)	0.820000
Ambient Temperature	22.2
Liquid Temperature	22.2

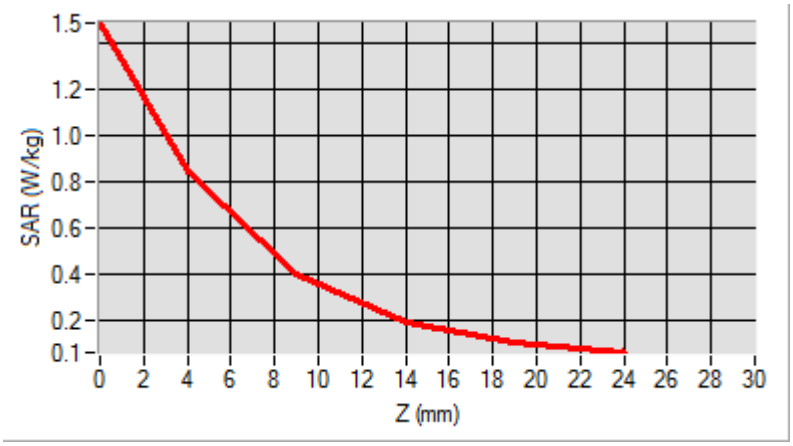
SURFACE SAR	VOLUME SAR
	

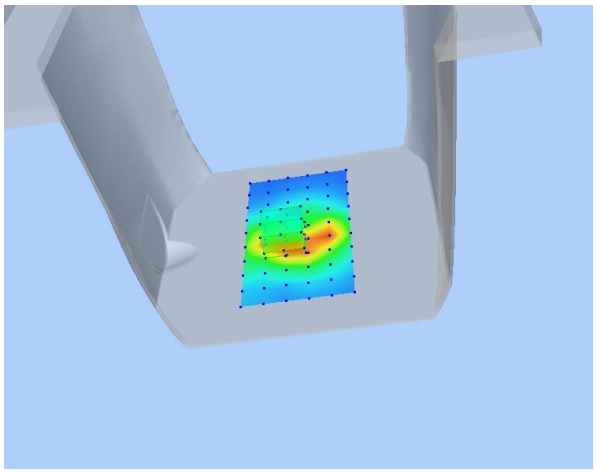
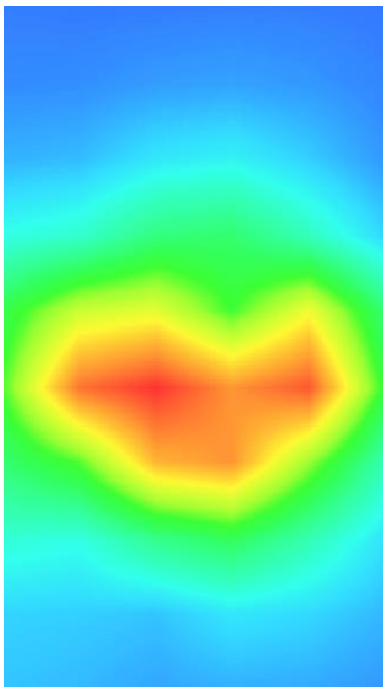
Maximum location: X=-9.00, Y=-9.00

SAR Peak: 1.49 W/kg

SAR 10g (W/Kg)	0.416339
SAR 1g (W/Kg)	0.692982

Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	1.4844	0.8460	0.3975	0.1893	0.1025



3D screen shot	Hot spot position
	

MEASUREMENT 4

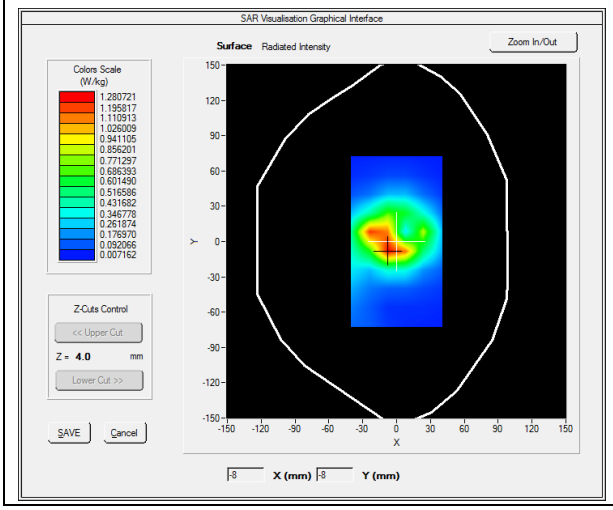
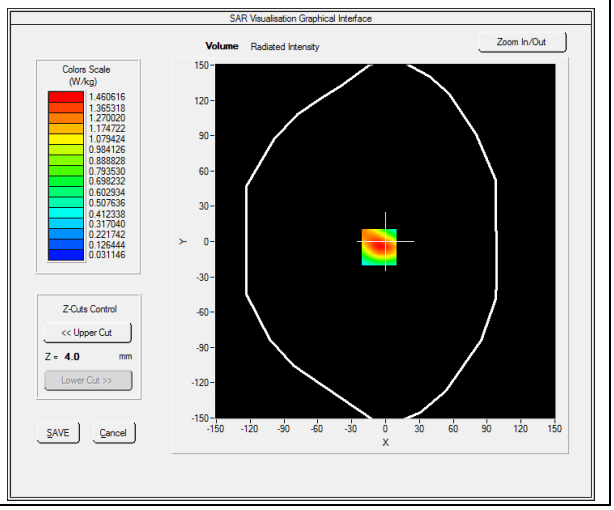
Type: Phone measurement (Complete)
Date of measurement: 2022-06-14
Measurement duration: 12 minutes 3 seconds

A. Experimental conditions

Area Scan	dx=10mm dy=10mm
Zoom Scan	dx=5mm dy=5mm dz=4mm
Phantom	Flat Plane
Device Position	Back
Band	WCDMA1700_RMC
Channels	Low
Signal	Duty Cycle 1:1

B. SAR Measurement Results

Frequency (MHz)	1712.400000
Relative Permittivity (real part)	52.111124
Conductivity (S/m)	1.513607
Power Variation (%)	0.820000
Ambient Temperature	22.2
Liquid Temperature	22.2

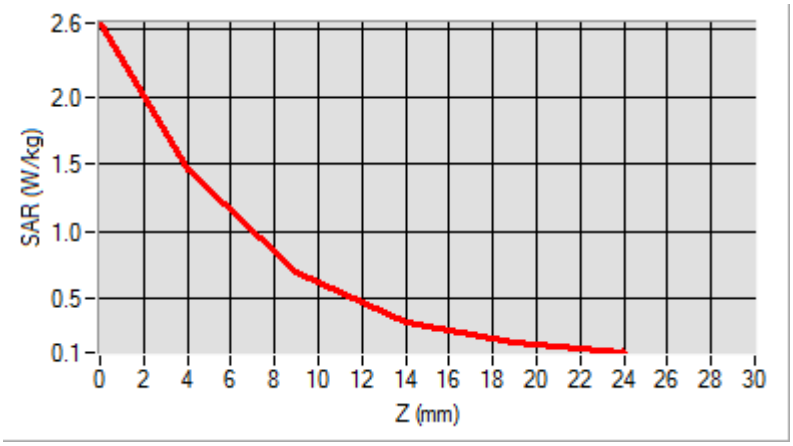
SURFACE SAR	VOLUME SAR
	

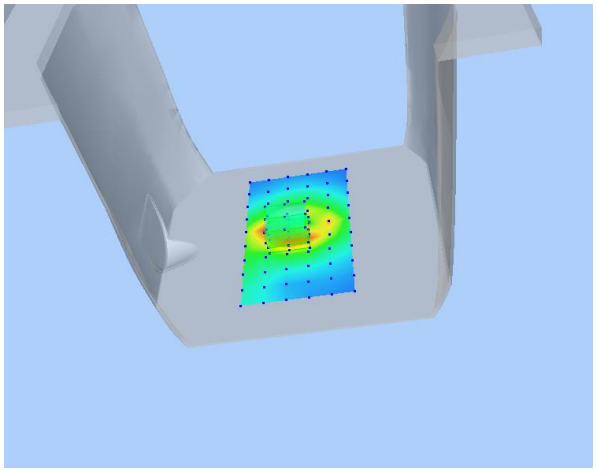
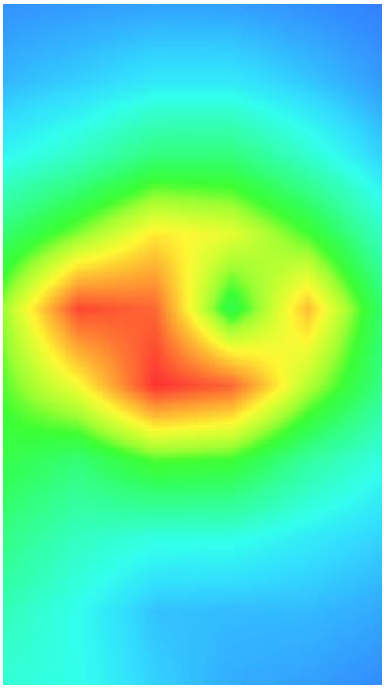
Maximum location: X=-6.00, Y=-5.00

SAR Peak: 1.61 W/kg

SAR 10g (W/Kg)	0.698656
SAR 1g (W/Kg)	0.771862

Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	2.5501	1.4606	0.6899	0.3276	0.1736



3D screen shot	Hot spot position
	

MEASUREMENT 5

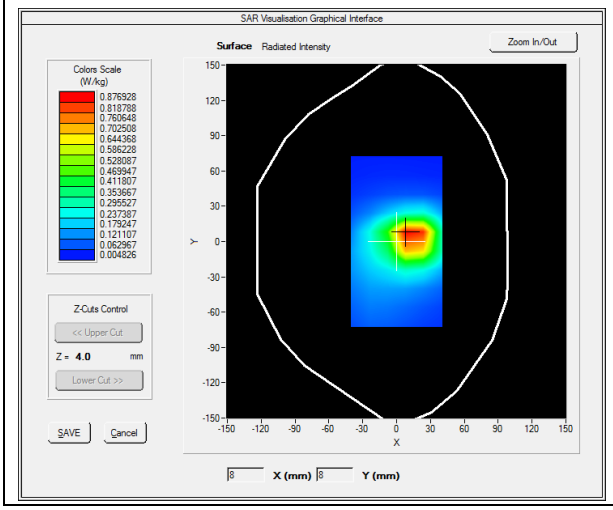
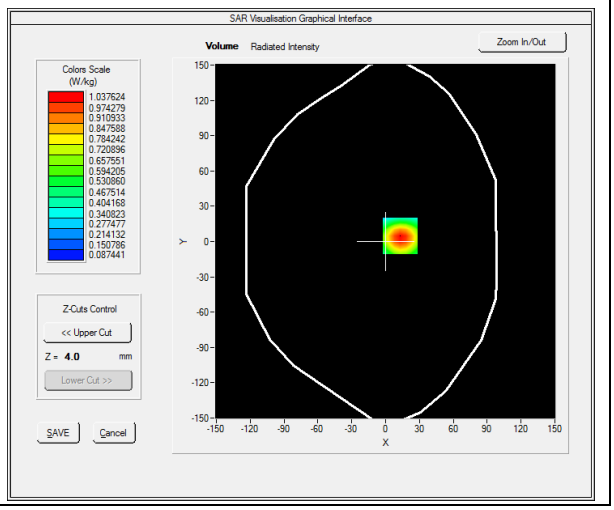
Type: Phone measurement (Complete)
Date of measurement: 2022-06-14
Measurement duration: 12 minutes 3 seconds

A. Experimental conditions

Area Scan	dx=10mm dy=10mm
Zoom Scan	dx=5mm dy=5mm dz=4mm
Phantom	Flat Plane
Device Position	Back
Band	WCDMA850_RMC
Channels	Middle
Signal	Duty Cycle 1:1

B. SAR Measurement Results

Frequency (MHz)	836.400000
Relative Permittivity (real part)	53.342275
Conductivity (S/m)	0.950987
Power Variation (%)	-1.200000
Ambient Temperature	22.2
Liquid Temperature	22.2

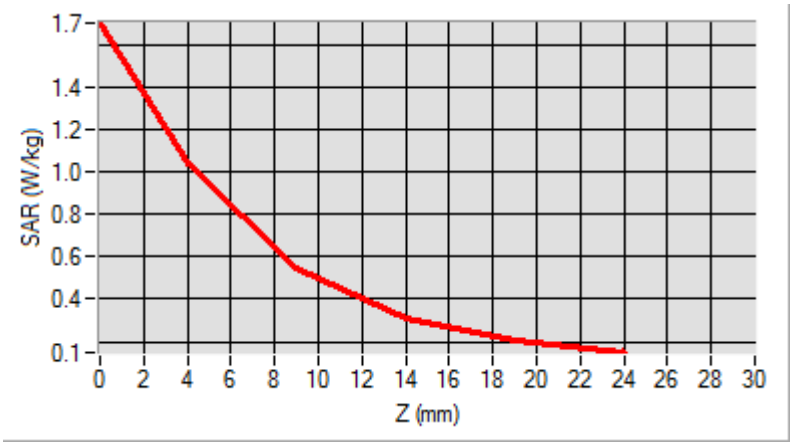
SURFACE SAR	VOLUME SAR
	

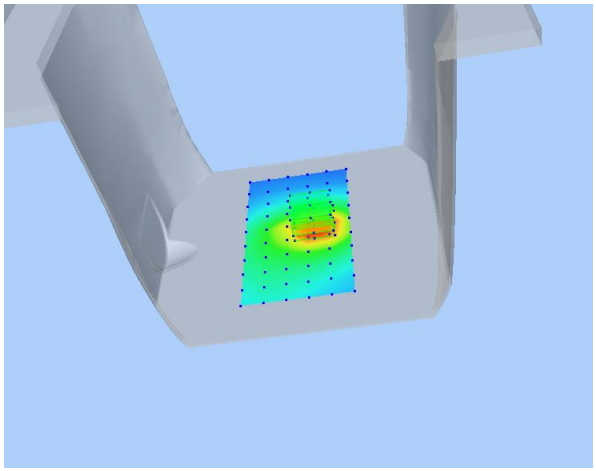
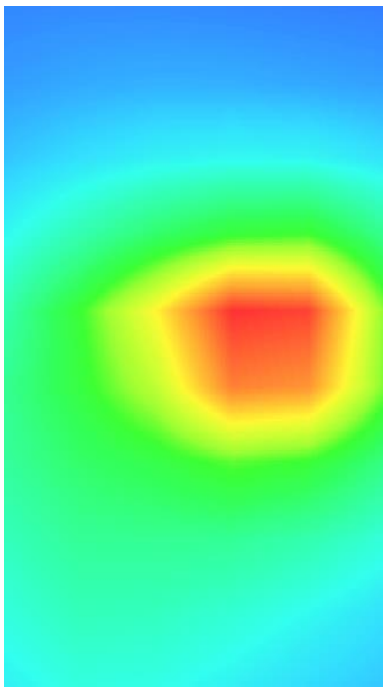
Maximum location: X=13.00, Y=5.00

SAR Peak: 1.72 W/kg

SAR 10g (W/Kg)	0.531912
SAR 1g (W/Kg)	0.768942

Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	1.7029	1.0376	0.5503	0.3105	0.2039



3D screen shot	Hot spot position
	

MEASUREMENT 6

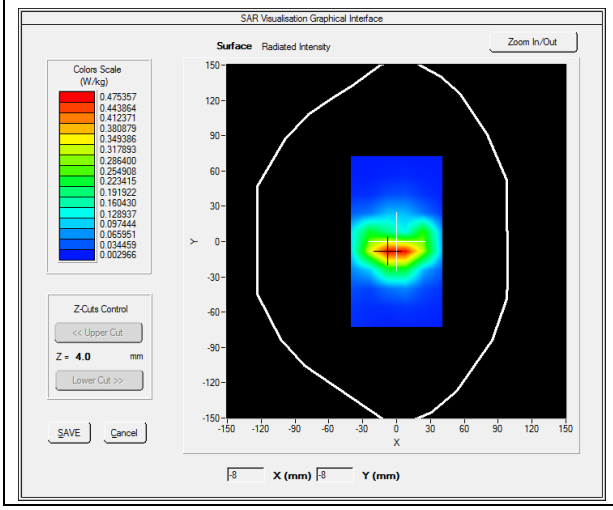
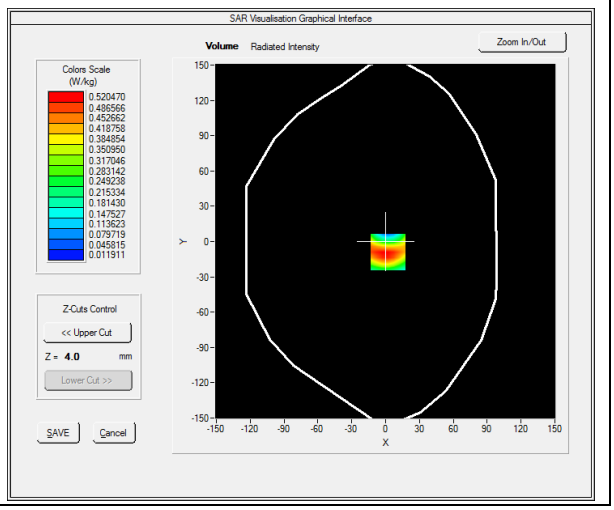
Type: Phone measurement (Complete)
Date of measurement: 2022-06-14
Measurement duration: 12 minutes 3 seconds

A. Experimental conditions

Area Scan	dx=10mm dy=10mm
Zoom Scan	dx=5mm dy=5mm dz=4mm
Phantom	Flat Plane
Device Position	Back
Band	LTE Band 2
Channels	QPSK, 20MHz, 1RB,High
Signal	Duty Cycle 1:1

B. SAR Measurement Results

Frequency (MHz)	1900.000000
Relative Permittivity (real part)	52.420124
Conductivity (S/m)	1.505369
Power Variation (%)	-1.340000
Ambient Temperature	22.2
Liquid Temperature	22.2

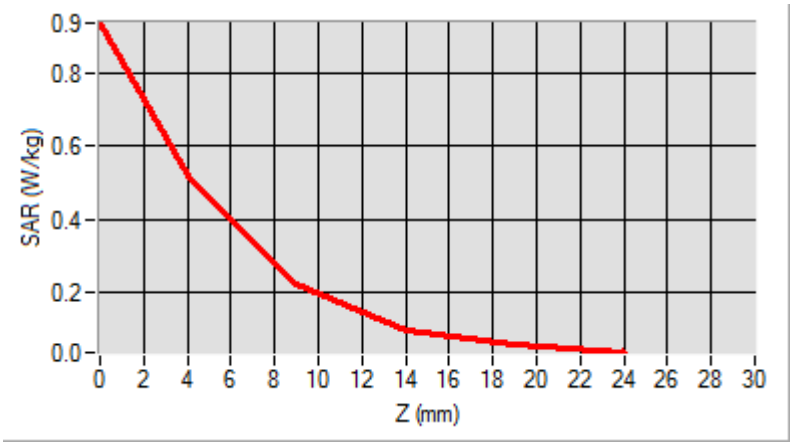
SURFACE SAR	VOLUME SAR
	

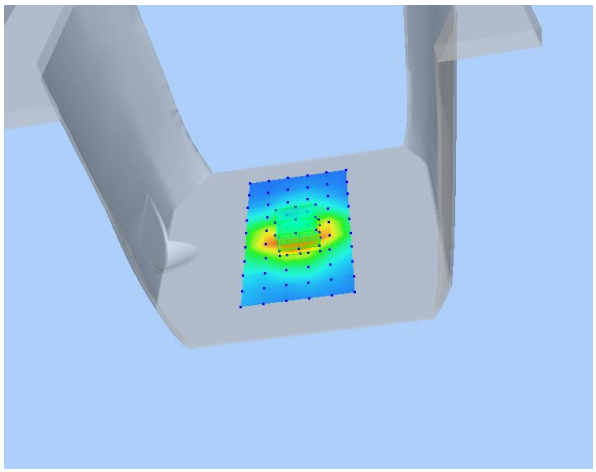
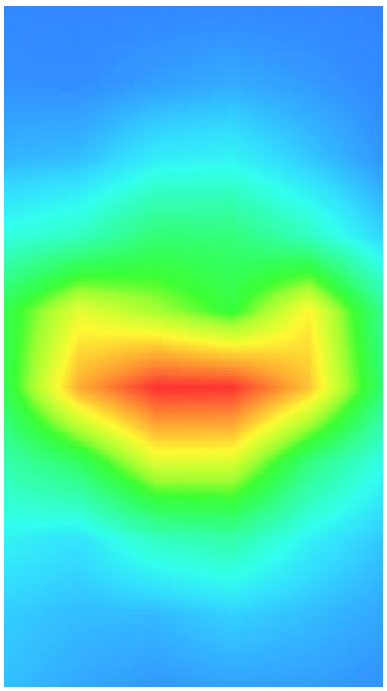
Maximum location: X=2.00, Y=-9.00

SAR Peak: 1.00 W/kg

SAR 10g (W/Kg)	0.238714
SAR 1g (W/Kg)	0.493155

Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	0.9405	0.5205	0.2198	0.0913	0.0546



3D screen shot	Hot spot position
	

MEASUREMENT 7

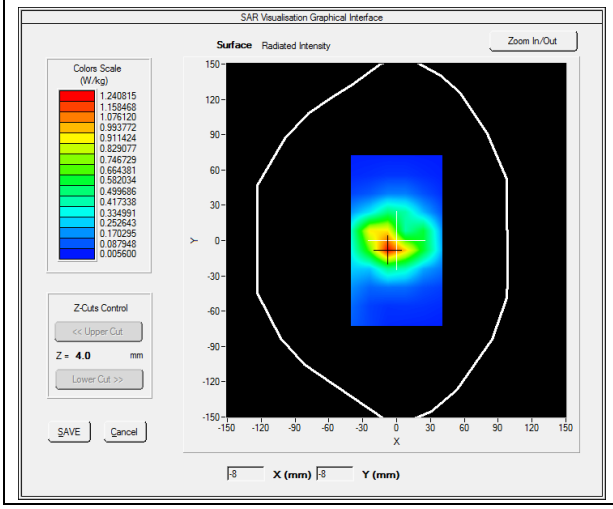
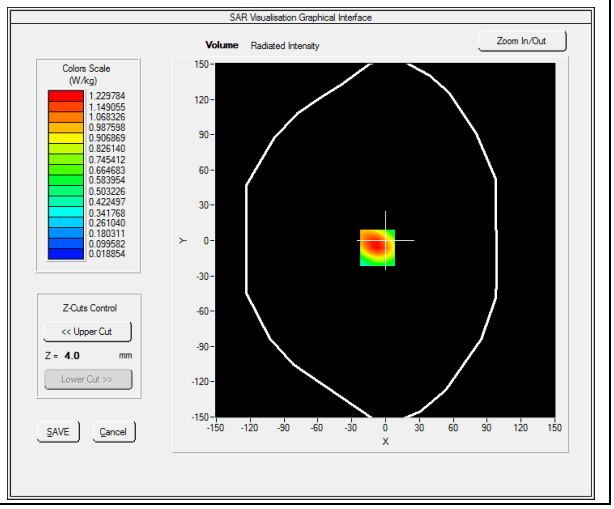
Type: Phone measurement (Complete)
Date of measurement: 2022-06-14
Measurement duration: 12 minutes 3 seconds

A. Experimental conditions

Area Scan	dx=10mm dy=10mm
Zoom Scan	dx=5mm dy=5mm dz=4mm
Phantom	Flat Plane
Device Position	Back
Band	LTE Band 4
Channels	QPSK 20MHz 50%RB,Low
Signal	Duty Cycle 1:1

B. SAR Measurement Results

Frequency (MHz)	1720.000000
Relative Permittivity (real part)	52.112275
Conductivity (S/m)	1.512987
Power Variation (%)	0.080000
Ambient Temperature	22.0
Liquid Temperature	22.2

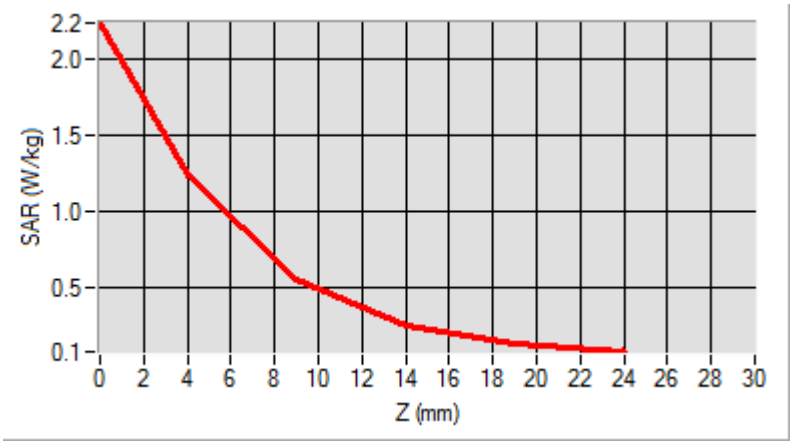
SURFACE SAR	VOLUME SAR
	

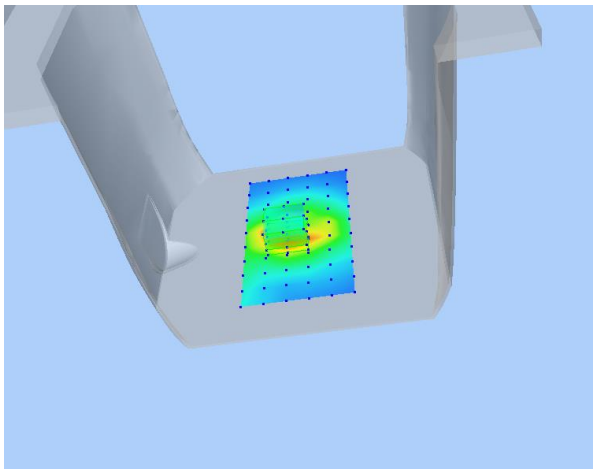
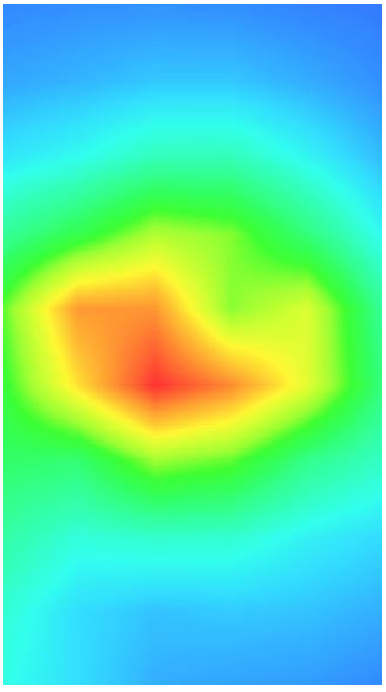
Maximum location: X=-7.00, Y=-6.00

SAR Peak: 2.27 W/kg

SAR 10g (W/Kg)	0.598005
SAR 1g (W/Kg)	0.753512

Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	2.2368	1.2298	0.5437	0.2411	0.1238



3D screen shot	Hot spot position
	

MEASUREMENT 8

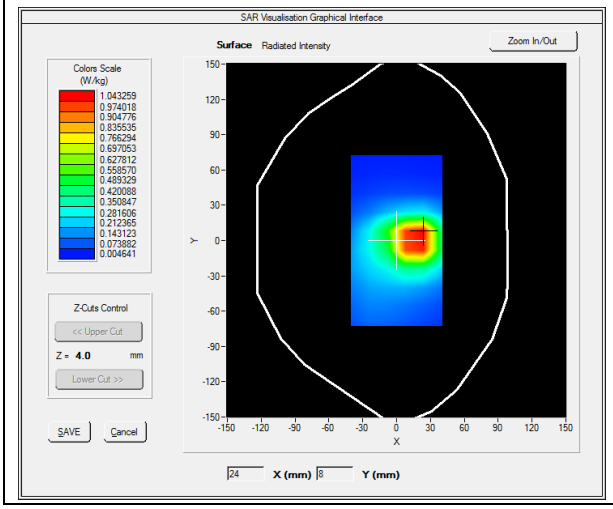
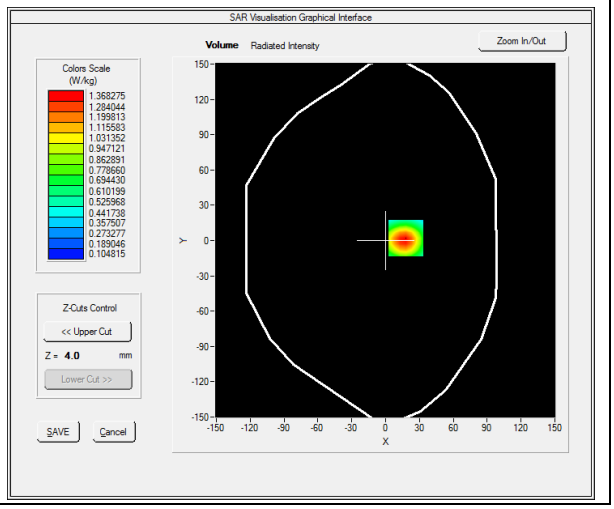
Type: Phone measurement (Complete)
Date of measurement: 2022-06-14
Measurement duration: 12 minutes 3 seconds

A. Experimental conditions

Area Scan	dx=10mm dy=10mm
Zoom Scan	dx=5mm dy=5mm dz=4mm
Phantom	Flat Plane
Device Position	Back
Band	LTE Band 5
Channels	QPSK, 10MHz, 1RB, High
Signal	Duty Cycle 1:1

B. SAR Measurement Results

Frequency (MHz)	844.000000
Relative Permittivity (real part)	53.341245
Conductivity (S/m)	0.951245
Power Variation (%)	-0.870000
Ambient Temperature	22.0
Liquid Temperature	22.2

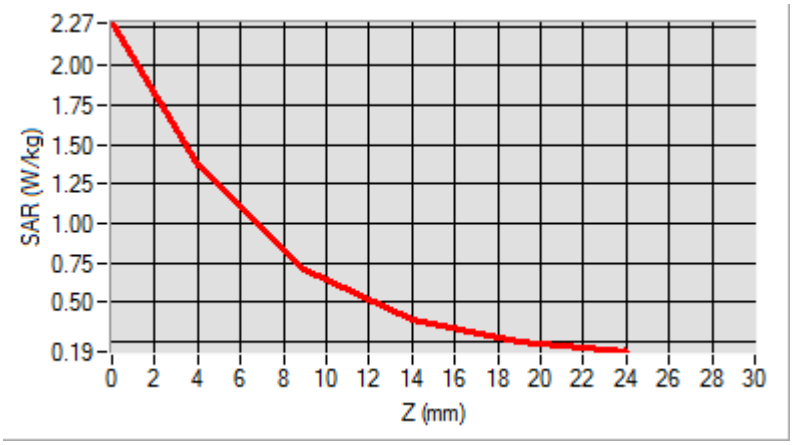
SURFACE SAR	VOLUME SAR
	

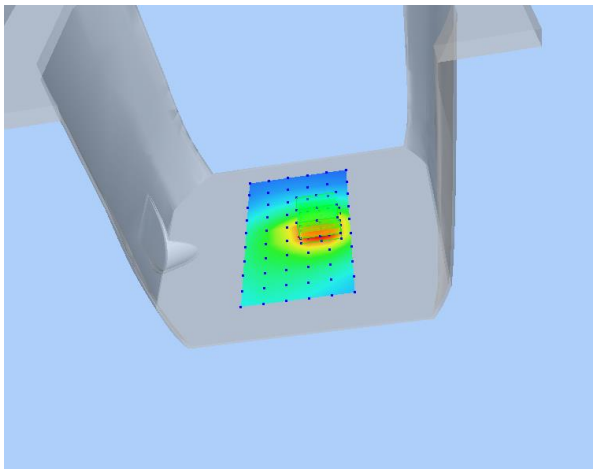
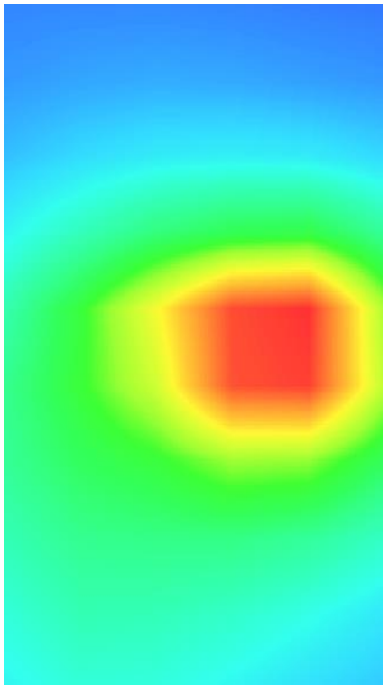
Maximum location: X=18.00, Y=2.00

SAR Peak: 1.29 W/kg

SAR 10g (W/Kg)	0.392138
SAR 1g (W/Kg)	0.671803

Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	2.2724	1.3683	0.7129	0.3957	0.2581



3D screen shot	Hot spot position
	

MEASUREMENT 9

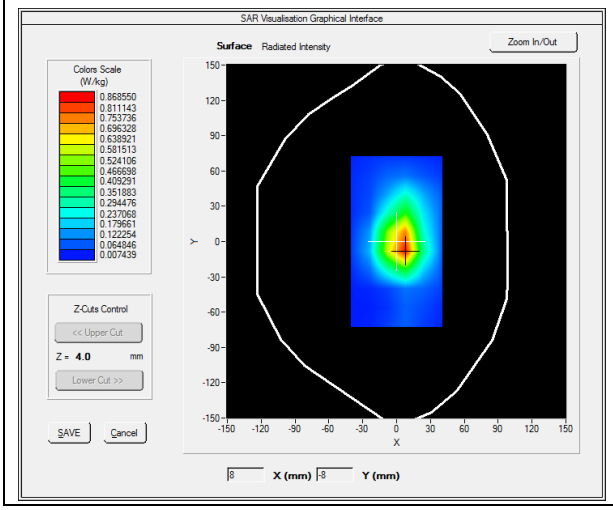
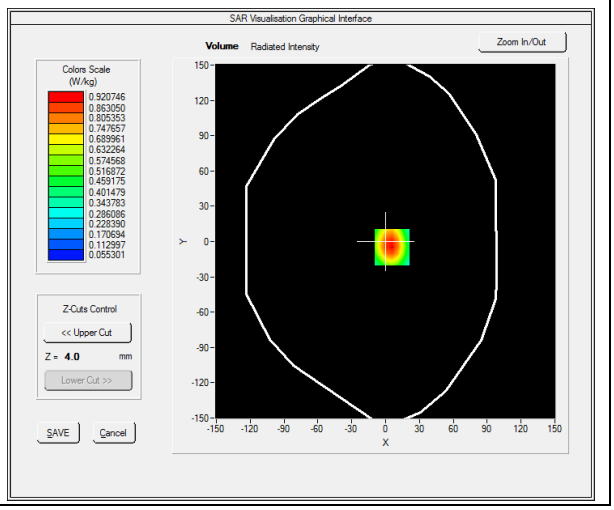
Type: Phone measurement (Complete)
Date of measurement: 2022-06-22
Measurement duration: 12 minutes 3 seconds

A. Experimental conditions

Area Scan	dx=10mm dy=10mm
Zoom Scan	dx=5mm dy=5mm dz=4mm
Phantom	Flat Plane
Device Position	Left
Band	LTE Band 7
Channels	QPSK, 20MHz, 1RB, Middle
Signal	Duty Cycle 1:1

B. SAR Measurement Results

Frequency (MHz)	2535.000000
Relative Permittivity (real part)	52.241667
Conductivity (S/m)	2.120182
Power Variation (%)	-0.700000
Ambient Temperature	22.0
Liquid Temperature	22.2

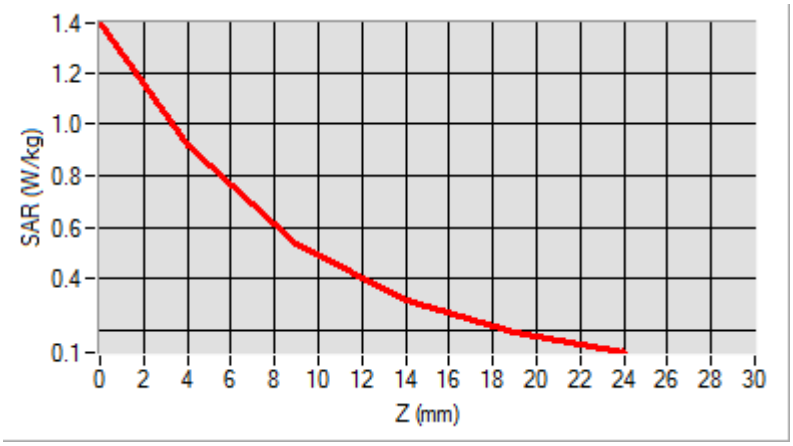
SURFACE SAR	VOLUME SAR
	

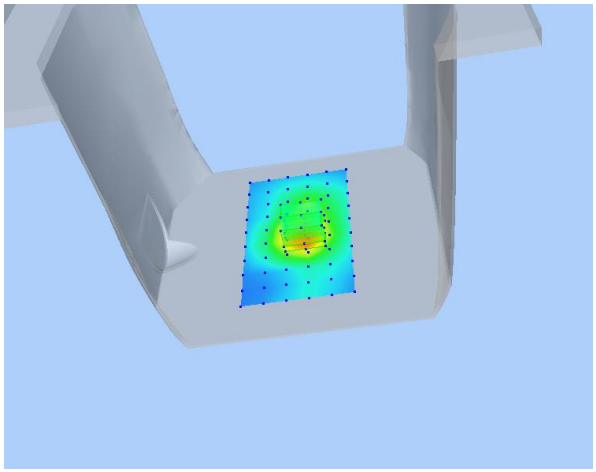
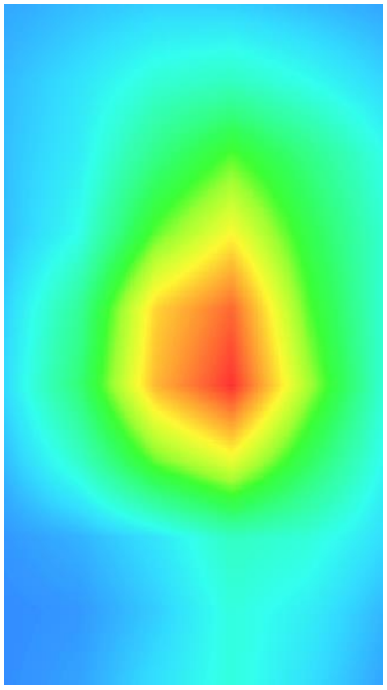
Maximum location: X=6.00, Y=-5.00

SAR Peak: 1.41 W/kg

SAR 10g (W/Kg)	0.480344
SAR 1g (W/Kg)	0.757743

Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	1.3935	0.9207	0.5380	0.3167	0.1931



3D screen shot	Hot spot position
	

MEASUREMENT 10

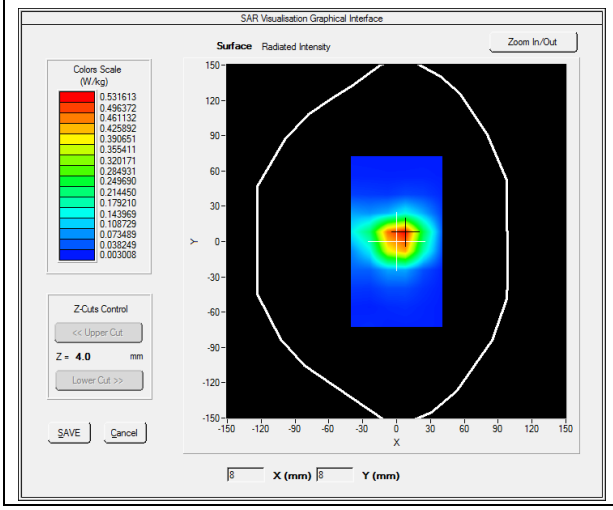
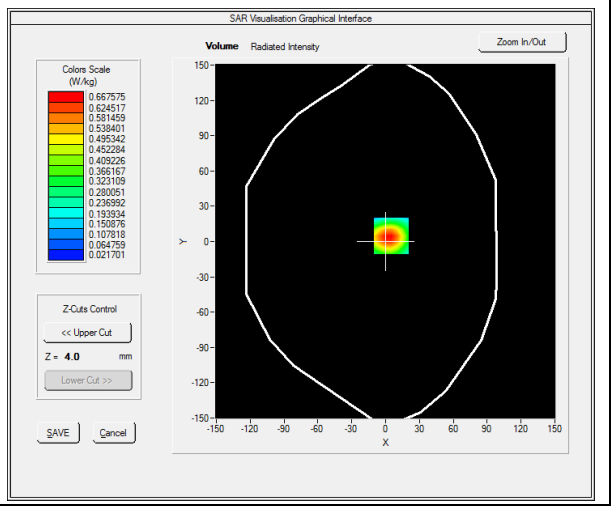
Type: Phone measurement (Complete)
Date of measurement: 2022-06-22
Measurement duration: 12 minutes 3 seconds

A. Experimental conditions

Area Scan	dx=10mm dy=10mm
Zoom Scan	dx=5mm dy=5mm dz=4mm
Phantom	Flat Plane
Device Position	Back
Band	LTE Band 38
Channels	QPSK, 20MHz, 1RB, Low
Signal	Duty Cycle 1:1

B. SAR Measurement Results

Frequency (MHz)	2610.00000
Relative Permittivity (real part)	52.241664
Conductivity (S/m)	2.123696
Power Variation (%)	-1.050000
Ambient Temperature	22.0
Liquid Temperature	22.2

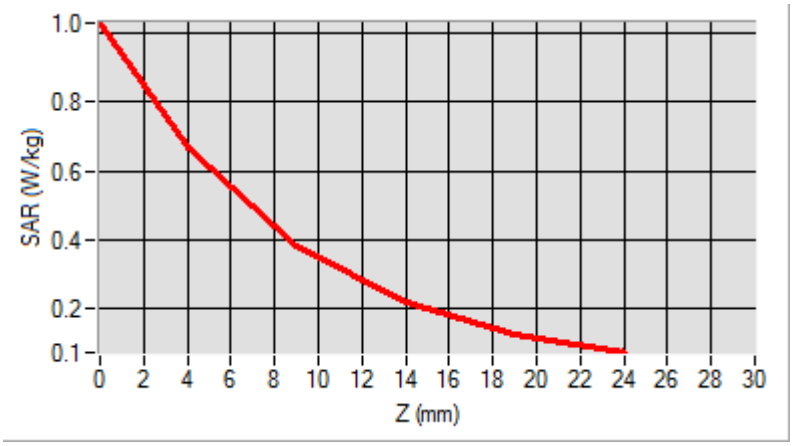
SURFACE SAR	VOLUME SAR
	

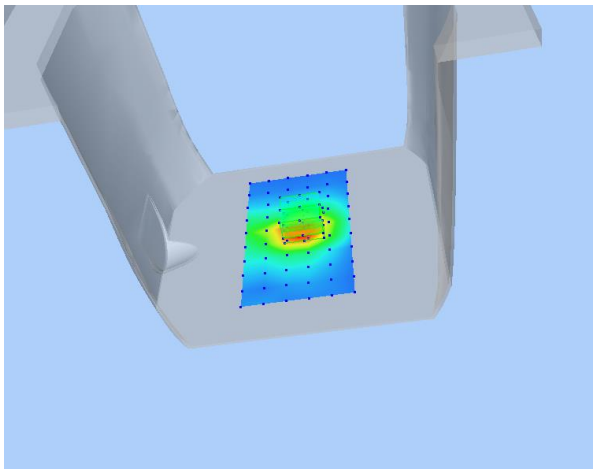
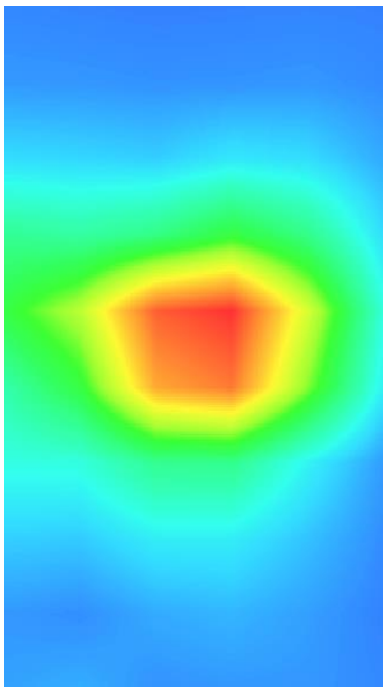
Maximum location: X=5.00, Y=5.00

SAR Peak: 1.05 W/kg

SAR 10g (W/Kg)	0.334223
SAR 1g (W/Kg)	0.631692

Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	1.0286	0.6676	0.3794	0.2160	0.1270



3D screen shot	Hot spot position
	

MEASUREMENT 11

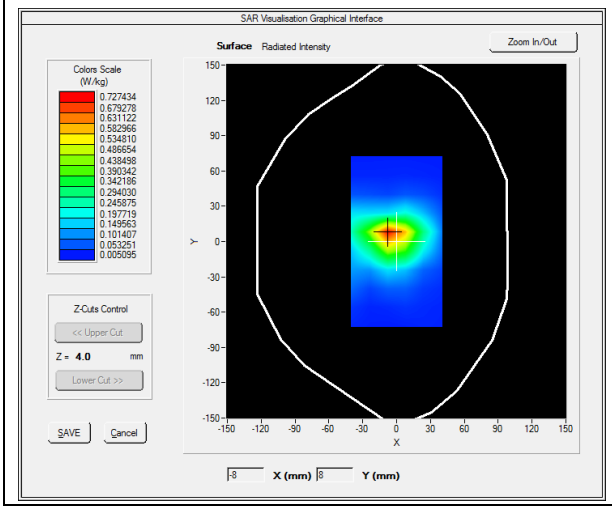
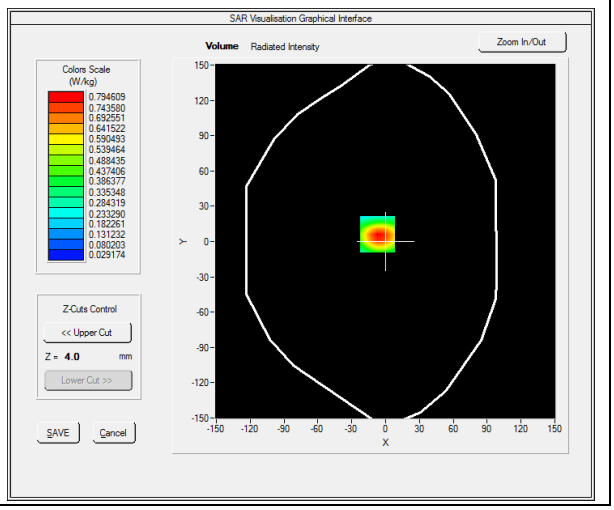
Type: Phone measurement (Complete)
Date of measurement: 2022-06-22
Measurement duration: 12 minutes 3 seconds

A. Experimental conditions

Area Scan	dx=10mm dy=10mm
Zoom Scan	dx=5mm dy=5mm dz=4mm
Phantom	Flat Plane
Device Position	Back
Band	LTE Band 40(2305-2315MHz)
Channels	QPSK, 10MHz, 1RB, Low
Signal	Duty Cycle 1:1

B. SAR Measurement Results

Frequency (MHz)	2310.000000
Relative Permittivity (real part)	51.262668
Conductivity (S/m)	1.783696
Power Variation (%)	-1.050000
Ambient Temperature	22.0
Liquid Temperature	22.2

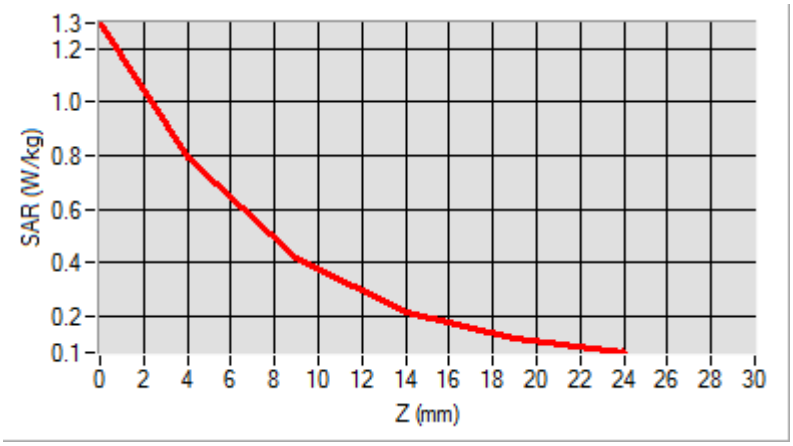
SURFACE SAR	VOLUME SAR
	

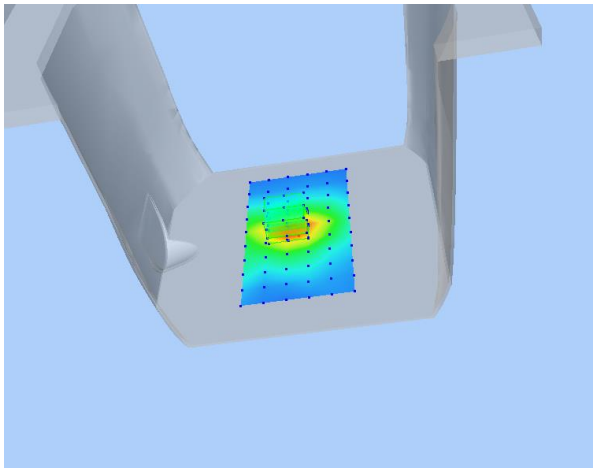
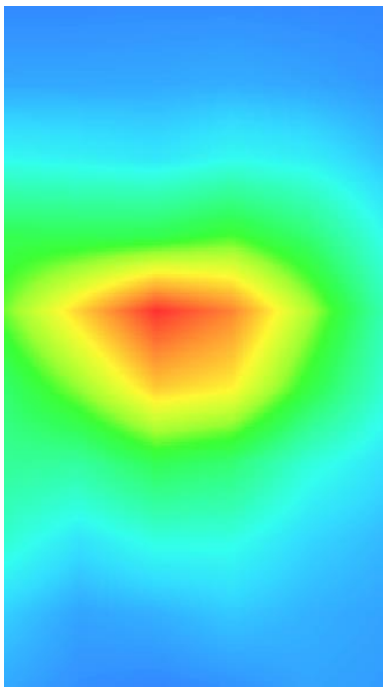
Maximum location: X=-7.00, Y=6.00

SAR Peak: 1.30 W/kg

SAR 10g (W/Kg)	0.387160
SAR 1g (W/Kg)	0.735595

Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	1.2959	0.7946	0.4155	0.2173	0.1199



3D screen shot	Hot spot position
	

MEASUREMENT 12

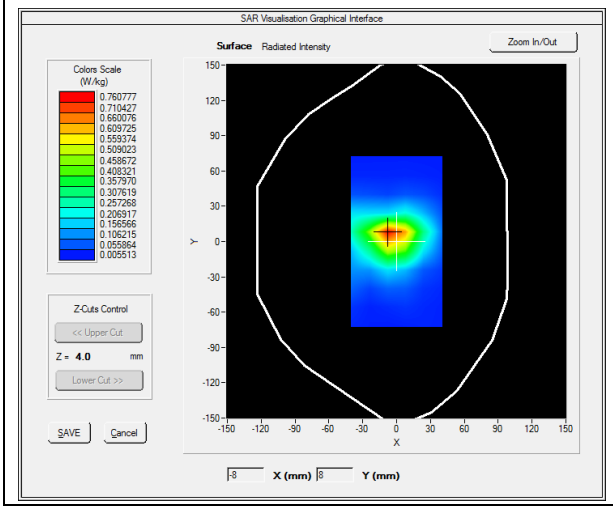
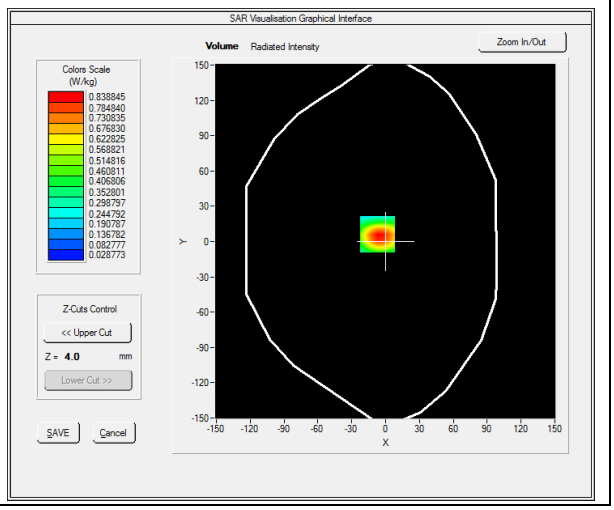
Type: Phone measurement (Complete)
Date of measurement: 2022-06-22
Measurement duration: 12 minutes 3 seconds

A. Experimental conditions

Area Scan	dx=10mm dy=10mm
Zoom Scan	dx=5mm dy=5mm dz=4mm
Phantom	Flat Plane
Device Position	Back
Band	LTE Band 40(2350-2360MHz)
Channels	QPSK, 10MHz, 1RB, Middle
Signal	Duty Cycle 1:1

B. SAR Measurement Results

Frequency (MHz)	2355.000000
Relative Permittivity (real part)	51.262368
Conductivity (S/m)	1.783696
Power Variation (%)	-1.050000
Ambient Temperature	22.0
Liquid Temperature	22.2

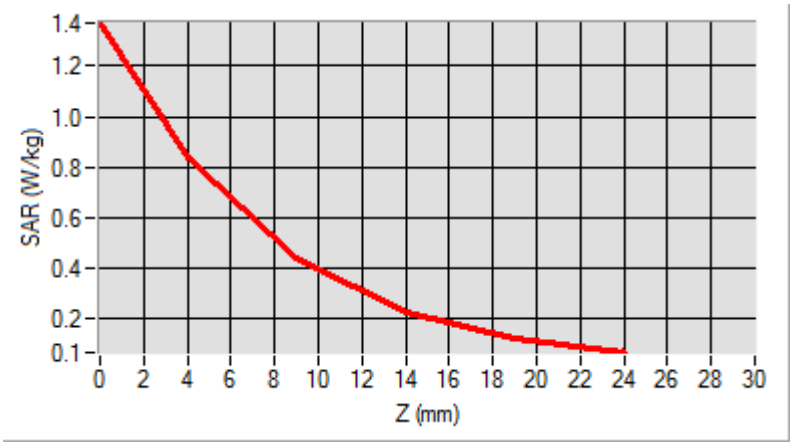
SURFACE SAR	VOLUME SAR
	

Maximum location: X=-7.00, Y=6.00

SAR Peak: 1.38 W/kg

SAR 10g (W/Kg)	0.411448
SAR 1g (W/Kg)	0.760463

Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	1.3691	0.8388	0.4382	0.2289	0.1263



3D screen shot	Hot spot position