

Band12	5MHz	16QAM	23035	1RB#24	22.07	PASS
Band12	5MHz	16QAM	23035	12RB#0	21.01	PASS
Band12	5MHz	16QAM	23035	12RB#6	21.04	PASS
Band12	5MHz	16QAM	23035	12RB#13	20.96	PASS
Band12	5MHz	16QAM	23035	25RB#0	21.12	PASS
Band12	5MHz	16QAM	23095	1RB#0	22.06	PASS
Band12	5MHz	16QAM	23095	1RB#12	22.06	PASS
Band12	5MHz	16QAM	23095	1RB#24	21.91	PASS
Band12	5MHz	16QAM	23095	12RB#0	21.05	PASS
Band12	5MHz	16QAM	23095	12RB#6	21.02	PASS
Band12	5MHz	16QAM	23095	12RB#13	21.04	PASS
Band12	5MHz	16QAM	23095	25RB#0	20.99	PASS
Band12	5MHz	16QAM	23155	1RB#0	21.71	PASS
Band12	5MHz	16QAM	23155	1RB#12	21.80	PASS
Band12	5MHz	16QAM	23155	1RB#24	21.62	PASS
Band12	5MHz	16QAM	23155	12RB#0	20.84	PASS
Band12	5MHz	16QAM	23155	12RB#6	20.86	PASS
Band12	5MHz	16QAM	23155	12RB#13	20.70	PASS
Band12	5MHz	16QAM	23155	25RB#0	20.81	PASS
Band12	10MHz	QPSK	23060	1RB#0	23.52	PASS
Band12	10MHz	QPSK	23060	1RB#24	23.65	PASS
Band12	10MHz	QPSK	23060	1RB#49	23.32	PASS
Band12	10MHz	QPSK	23060	25RB#0	22.20	PASS
Band12	10MHz	QPSK	23060	25RB#12	22.24	PASS
Band12	10MHz	QPSK	23060	25RB#25	22.12	PASS
Band12	10MHz	QPSK	23060	50RB#0	22.23	PASS
Band12	10MHz	QPSK	23095	1RB#0	23.10	PASS
Band12	10MHz	QPSK	23095	1RB#24	22.91	PASS
Band12	10MHz	QPSK	23095	1RB#49	22.86	PASS
Band12	10MHz	QPSK	23095	25RB#0	22.13	PASS
Band12	10MHz	QPSK	23095	25RB#12	22.15	PASS
Band12	10MHz	QPSK	23095	25RB#25	22.16	PASS
Band12	10MHz	QPSK	23095	50RB#0	22.10	PASS
Band12	10MHz	QPSK	23130	1RB#0	22.99	PASS
Band12	10MHz	QPSK	23130	1RB#24	22.95	PASS
Band12	10MHz	QPSK	23130	1RB#49	22.79	PASS
Band12	10MHz	QPSK	23130	25RB#0	21.83	PASS

Band12	10MHz	QPSK	23130	25RB#12	21.85	PASS
Band12	10MHz	QPSK	23130	25RB#25	21.79	PASS
Band12	10MHz	QPSK	23130	50RB#0	21.80	PASS
Band12	10MHz	16QAM	23060	1RB#0	22.66	PASS
Band12	10MHz	16QAM	23060	1RB#24	22.74	PASS
Band12	10MHz	16QAM	23060	1RB#49	21.99	PASS
Band12	10MHz	16QAM	23060	25RB#0	21.22	PASS
Band12	10MHz	16QAM	23060	25RB#12	21.19	PASS
Band12	10MHz	16QAM	23060	25RB#25	21.19	PASS
Band12	10MHz	16QAM	23060	50RB#0	21.19	PASS
Band12	10MHz	16QAM	23095	1RB#0	21.99	PASS
Band12	10MHz	16QAM	23095	1RB#24	21.97	PASS
Band12	10MHz	16QAM	23095	1RB#49	21.69	PASS
Band12	10MHz	16QAM	23095	25RB#0	21.20	PASS
Band12	10MHz	16QAM	23095	25RB#12	21.21	PASS
Band12	10MHz	16QAM	23095	25RB#25	21.13	PASS
Band12	10MHz	16QAM	23095	50RB#0	21.12	PASS
Band12	10MHz	16QAM	23130	1RB#0	21.80	PASS
Band12	10MHz	16QAM	23130	1RB#24	21.81	PASS
Band12	10MHz	16QAM	23130	1RB#49	21.60	PASS
Band12	10MHz	16QAM	23130	25RB#0	20.89	PASS
Band12	10MHz	16QAM	23130	25RB#12	20.89	PASS
Band12	10MHz	16QAM	23130	25RB#25	20.73	PASS
Band12	10MHz	16QAM	23130	50RB#0	20.82	PASS

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band17	5MHz	QPSK	23755	1RB#0	23.01	PASS
Band17	5MHz	QPSK	23755	1RB#12	23.13	PASS
Band17	5MHz	QPSK	23755	1RB#24	22.92	PASS
Band17	5MHz	QPSK	23755	12RB#0	22.12	PASS
Band17	5MHz	QPSK	23755	12RB#6	22.09	PASS
Band17	5MHz	QPSK	23755	12RB#13	22.09	PASS
Band17	5MHz	QPSK	23755	25RB#0	22.12	PASS
Band17	5MHz	QPSK	23790	1RB#0	22.89	PASS
Band17	5MHz	QPSK	23790	1RB#12	23.00	PASS
Band17	5MHz	QPSK	23790	1RB#24	22.82	PASS
Band17	5MHz	QPSK	23790	12RB#0	21.94	PASS

Band17	5MHz	QPSK	23790	12RB#6	21.95	PASS
Band17	5MHz	QPSK	23790	12RB#13	21.93	PASS
Band17	5MHz	QPSK	23790	25RB#0	21.98	PASS
Band17	5MHz	QPSK	23825	1RB#0	22.84	PASS
Band17	5MHz	QPSK	23825	1RB#12	22.95	PASS
Band17	5MHz	QPSK	23825	1RB#24	22.74	PASS
Band17	5MHz	QPSK	23825	12RB#0	21.94	PASS
Band17	5MHz	QPSK	23825	12RB#6	21.95	PASS
Band17	5MHz	QPSK	23825	12RB#13	21.77	PASS
Band17	5MHz	QPSK	23825	25RB#0	21.87	PASS
Band17	5MHz	16QAM	23755	1RB#0	21.92	PASS
Band17	5MHz	16QAM	23755	1RB#12	22.12	PASS
Band17	5MHz	16QAM	23755	1RB#24	21.91	PASS
Band17	5MHz	16QAM	23755	12RB#0	21.13	PASS
Band17	5MHz	16QAM	23755	12RB#6	21.10	PASS
Band17	5MHz	16QAM	23755	12RB#13	21.17	PASS
Band17	5MHz	16QAM	23755	25RB#0	21.19	PASS
Band17	5MHz	16QAM	23790	1RB#0	22.01	PASS
Band17	5MHz	16QAM	23790	1RB#12	22.13	PASS
Band17	5MHz	16QAM	23790	1RB#24	21.91	PASS
Band17	5MHz	16QAM	23790	12RB#0	20.97	PASS
Band17	5MHz	16QAM	23790	12RB#6	20.95	PASS
Band17	5MHz	16QAM	23790	12RB#13	20.96	PASS
Band17	5MHz	16QAM	23790	25RB#0	20.96	PASS
Band17	5MHz	16QAM	23825	1RB#0	21.77	PASS
Band17	5MHz	16QAM	23825	1RB#12	21.85	PASS
Band17	5MHz	16QAM	23825	1RB#24	21.72	PASS
Band17	5MHz	16QAM	23825	12RB#0	20.94	PASS
Band17	5MHz	16QAM	23825	12RB#6	20.94	PASS
Band17	5MHz	16QAM	23825	12RB#13	20.76	PASS
Band17	5MHz	16QAM	23825	25RB#0	20.86	PASS
Band17	10MHz	QPSK	23780	1RB#0	23.50	PASS
Band17	10MHz	QPSK	23780	1RB#24	23.59	PASS
Band17	10MHz	QPSK	23780	1RB#49	22.96	PASS
Band17	10MHz	QPSK	23780	25RB#0	22.06	PASS
Band17	10MHz	QPSK	23780	25RB#12	22.08	PASS
Band17	10MHz	QPSK	23780	25RB#25	22.04	PASS

Band17	10MHz	QPSK	23780	50RB#0	22.05	PASS
Band17	10MHz	QPSK	23790	1RB#0	23.07	PASS
Band17	10MHz	QPSK	23790	1RB#24	23.10	PASS
Band17	10MHz	QPSK	23790	1RB#49	22.79	PASS
Band17	10MHz	QPSK	23790	25RB#0	22.00	PASS
Band17	10MHz	QPSK	23790	25RB#12	21.96	PASS
Band17	10MHz	QPSK	23790	25RB#25	21.92	PASS
Band17	10MHz	QPSK	23790	50RB#0	21.90	PASS
Band17	10MHz	QPSK	23800	1RB#0	23.05	PASS
Band17	10MHz	QPSK	23800	1RB#24	23.06	PASS
Band17	10MHz	QPSK	23800	1RB#49	22.88	PASS
Band17	10MHz	QPSK	23800	25RB#0	21.91	PASS
Band17	10MHz	QPSK	23800	25RB#12	21.87	PASS
Band17	10MHz	QPSK	23800	25RB#25	21.78	PASS
Band17	10MHz	QPSK	23800	50RB#0	21.84	PASS
Band17	10MHz	16QAM	23780	1RB#0	22.67	PASS
Band17	10MHz	16QAM	23780	1RB#24	22.62	PASS
Band17	10MHz	16QAM	23780	1RB#49	21.92	PASS
Band17	10MHz	16QAM	23780	25RB#0	21.10	PASS
Band17	10MHz	16QAM	23780	25RB#12	21.11	PASS
Band17	10MHz	16QAM	23780	25RB#25	21.06	PASS
Band17	10MHz	16QAM	23780	50RB#0	21.04	PASS
Band17	10MHz	16QAM	23790	1RB#0	21.99	PASS
Band17	10MHz	16QAM	23790	1RB#24	22.01	PASS
Band17	10MHz	16QAM	23790	1RB#49	21.66	PASS
Band17	10MHz	16QAM	23790	25RB#0	21.01	PASS
Band17	10MHz	16QAM	23790	25RB#12	21.02	PASS
Band17	10MHz	16QAM	23790	25RB#25	20.90	PASS
Band17	10MHz	16QAM	23790	50RB#0	20.92	PASS
Band17	10MHz	16QAM	23800	1RB#0	21.85	PASS
Band17	10MHz	16QAM	23800	1RB#24	21.78	PASS
Band17	10MHz	16QAM	23800	1RB#49	21.68	PASS
Band17	10MHz	16QAM	23800	25RB#0	20.95	PASS
Band17	10MHz	16QAM	23800	25RB#12	20.96	PASS
Band17	10MHz	16QAM	23800	25RB#25	20.83	PASS
Band17	10MHz	16QAM	23800	50RB#0	20.82	PASS

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band38	5MHz	QPSK	37775	1RB#0	23.55	PASS
Band38	5MHz	QPSK	37775	1RB#12	23.63	PASS
Band38	5MHz	QPSK	37775	1RB#24	23.54	PASS
Band38	5MHz	QPSK	37775	12RB#0	22.54	PASS
Band38	5MHz	QPSK	37775	12RB#6	22.54	PASS
Band38	5MHz	QPSK	37775	12RB#13	22.52	PASS
Band38	5MHz	QPSK	37775	25RB#0	22.48	PASS
Band38	5MHz	QPSK	38000	1RB#0	23.49	PASS
Band38	5MHz	QPSK	38000	1RB#12	23.60	PASS
Band38	5MHz	QPSK	38000	1RB#24	23.54	PASS
Band38	5MHz	QPSK	38000	12RB#0	22.49	PASS
Band38	5MHz	QPSK	38000	12RB#6	22.50	PASS
Band38	5MHz	QPSK	38000	12RB#13	22.48	PASS
Band38	5MHz	QPSK	38000	25RB#0	22.47	PASS
Band38	5MHz	QPSK	38225	1RB#0	23.66	PASS
Band38	5MHz	QPSK	38225	1RB#12	23.70	PASS
Band38	5MHz	QPSK	38225	1RB#24	23.62	PASS
Band38	5MHz	QPSK	38225	12RB#0	22.66	PASS
Band38	5MHz	QPSK	38225	12RB#6	22.65	PASS
Band38	5MHz	QPSK	38225	12RB#13	22.64	PASS
Band38	5MHz	QPSK	38225	25RB#0	22.66	PASS
Band38	5MHz	16QAM	37775	1RB#0	22.43	PASS
Band38	5MHz	16QAM	37775	1RB#12	22.49	PASS
Band38	5MHz	16QAM	37775	1RB#24	22.39	PASS
Band38	5MHz	16QAM	37775	12RB#0	21.48	PASS
Band38	5MHz	16QAM	37775	12RB#6	21.48	PASS
Band38	5MHz	16QAM	37775	12RB#13	21.44	PASS
Band38	5MHz	16QAM	37775	25RB#0	21.52	PASS
Band38	5MHz	16QAM	38000	1RB#0	22.42	PASS
Band38	5MHz	16QAM	38000	1RB#12	22.53	PASS
Band38	5MHz	16QAM	38000	1RB#24	22.49	PASS
Band38	5MHz	16QAM	38000	12RB#0	21.48	PASS
Band38	5MHz	16QAM	38000	12RB#6	21.46	PASS
Band38	5MHz	16QAM	38000	12RB#13	21.52	PASS
Band38	5MHz	16QAM	38000	25RB#0	21.44	PASS
Band38	5MHz	16QAM	38225	1RB#0	22.49	PASS

Band38	5MHz	16QAM	38225	1RB#12	22.54	PASS
Band38	5MHz	16QAM	38225	1RB#24	22.45	PASS
Band38	5MHz	16QAM	38225	12RB#0	21.71	PASS
Band38	5MHz	16QAM	38225	12RB#6	21.72	PASS
Band38	5MHz	16QAM	38225	12RB#13	21.69	PASS
Band38	5MHz	16QAM	38225	25RB#0	21.77	PASS
Band38	10MHz	QPSK	37800	1RB#0	23.63	PASS
Band38	10MHz	QPSK	37800	1RB#24	23.84	PASS
Band38	10MHz	QPSK	37800	1RB#49	23.58	PASS
Band38	10MHz	QPSK	37800	25RB#0	22.58	PASS
Band38	10MHz	QPSK	37800	25RB#12	22.61	PASS
Band38	10MHz	QPSK	37800	25RB#25	22.56	PASS
Band38	10MHz	QPSK	37800	50RB#0	22.56	PASS
Band38	10MHz	QPSK	38000	1RB#0	23.62	PASS
Band38	10MHz	QPSK	38000	1RB#24	23.93	PASS
Band38	10MHz	QPSK	38000	1RB#49	23.73	PASS
Band38	10MHz	QPSK	38000	25RB#0	22.59	PASS
Band38	10MHz	QPSK	38000	25RB#12	22.58	PASS
Band38	10MHz	QPSK	38000	25RB#25	22.57	PASS
Band38	10MHz	QPSK	38000	50RB#0	22.56	PASS
Band38	10MHz	QPSK	38200	1RB#0	23.78	PASS
Band38	10MHz	QPSK	38200	1RB#24	23.97	PASS
Band38	10MHz	QPSK	38200	1RB#49	23.69	PASS
Band38	10MHz	QPSK	38200	25RB#0	22.83	PASS
Band38	10MHz	QPSK	38200	25RB#12	22.81	PASS
Band38	10MHz	QPSK	38200	25RB#25	22.73	PASS
Band38	10MHz	QPSK	38200	50RB#0	22.76	PASS
Band38	10MHz	16QAM	37800	1RB#0	22.57	PASS
Band38	10MHz	16QAM	37800	1RB#24	22.76	PASS
Band38	10MHz	16QAM	37800	1RB#49	22.49	PASS
Band38	10MHz	16QAM	37800	25RB#0	21.58	PASS
Band38	10MHz	16QAM	37800	25RB#12	21.57	PASS
Band38	10MHz	16QAM	37800	25RB#25	21.53	PASS
Band38	10MHz	16QAM	37800	50RB#0	21.54	PASS
Band38	10MHz	16QAM	38000	1RB#0	22.29	PASS
Band38	10MHz	16QAM	38000	1RB#24	22.58	PASS
Band38	10MHz	16QAM	38000	1RB#49	22.40	PASS

Band38	10MHz	16QAM	38000	25RB#0	21.57	PASS
Band38	10MHz	16QAM	38000	25RB#12	21.55	PASS
Band38	10MHz	16QAM	38000	25RB#25	21.57	PASS
Band38	10MHz	16QAM	38000	50RB#0	21.57	PASS
Band38	10MHz	16QAM	38200	1RB#0	22.55	PASS
Band38	10MHz	16QAM	38200	1RB#24	22.70	PASS
Band38	10MHz	16QAM	38200	1RB#49	22.39	PASS
Band38	10MHz	16QAM	38200	25RB#0	21.91	PASS
Band38	10MHz	16QAM	38200	25RB#12	21.88	PASS
Band38	10MHz	16QAM	38200	25RB#25	21.83	PASS
Band38	10MHz	16QAM	38200	50RB#0	21.83	PASS
Band38	15MHz	QPSK	37825	1RB#0	23.61	PASS
Band38	15MHz	QPSK	37825	1RB#38	23.62	PASS
Band38	15MHz	QPSK	37825	1RB#74	23.38	PASS
Band38	15MHz	QPSK	37825	38RB#0	22.53	PASS
Band38	15MHz	QPSK	37825	38RB#18	22.56	PASS
Band38	15MHz	QPSK	37825	38RB#37	22.32	PASS
Band38	15MHz	QPSK	37825	75RB#0	22.71	PASS
Band38	15MHz	QPSK	38000	1RB#0	23.45	PASS
Band38	15MHz	QPSK	38000	1RB#38	23.63	PASS
Band38	15MHz	QPSK	38000	1RB#74	23.56	PASS
Band38	15MHz	QPSK	38000	38RB#0	22.46	PASS
Band38	15MHz	QPSK	38000	38RB#18	22.63	PASS
Band38	15MHz	QPSK	38000	38RB#37	22.62	PASS
Band38	15MHz	QPSK	38000	75RB#0	22.74	PASS
Band38	15MHz	QPSK	38175	1RB#0	23.73	PASS
Band38	15MHz	QPSK	38175	1RB#38	23.76	PASS
Band38	15MHz	QPSK	38175	1RB#74	23.56	PASS
Band38	15MHz	QPSK	38175	38RB#0	22.46	PASS
Band38	15MHz	QPSK	38175	38RB#18	22.50	PASS
Band38	15MHz	QPSK	38175	38RB#37	22.31	PASS
Band38	15MHz	QPSK	38175	75RB#0	22.89	PASS
Band38	15MHz	16QAM	37825	1RB#0	22.50	PASS
Band38	15MHz	16QAM	37825	1RB#38	22.53	PASS
Band38	15MHz	16QAM	37825	1RB#74	22.28	PASS
Band38	15MHz	16QAM	37825	38RB#0	22.54	PASS
Band38	15MHz	16QAM	37825	38RB#18	22.53	PASS

Band38	15MHz	16QAM	37825	38RB#37	22.34	PASS
Band38	15MHz	16QAM	37825	75RB#0	21.60	PASS
Band38	15MHz	16QAM	38000	1RB#0	22.46	PASS
Band38	15MHz	16QAM	38000	1RB#38	22.61	PASS
Band38	15MHz	16QAM	38000	1RB#74	22.59	PASS
Band38	15MHz	16QAM	38000	38RB#0	22.47	PASS
Band38	15MHz	16QAM	38000	38RB#18	22.60	PASS
Band38	15MHz	16QAM	38000	38RB#37	22.61	PASS
Band38	15MHz	16QAM	38000	75RB#0	21.68	PASS
Band38	15MHz	16QAM	38175	1RB#0	22.47	PASS
Band38	15MHz	16QAM	38175	1RB#38	22.49	PASS
Band38	15MHz	16QAM	38175	1RB#74	22.30	PASS
Band38	15MHz	16QAM	38175	38RB#0	22.46	PASS
Band38	15MHz	16QAM	38175	38RB#18	22.48	PASS
Band38	15MHz	16QAM	38175	38RB#37	22.31	PASS
Band38	15MHz	16QAM	38175	75RB#0	21.86	PASS
Band38	20MHz	QPSK	37850	1RB#0	23.52	PASS
Band38	20MHz	QPSK	37850	1RB#49	23.90	PASS
Band38	20MHz	QPSK	37850	1RB#99	23.31	PASS
Band38	20MHz	QPSK	37850	50RB#0	22.59	PASS
Band38	20MHz	QPSK	37850	50RB#25	22.59	PASS
Band38	20MHz	QPSK	37850	50RB#50	22.37	PASS
Band38	20MHz	QPSK	37850	100RB#0	22.51	PASS
Band38	20MHz	QPSK	38000	1RB#0	23.42	PASS
Band38	20MHz	QPSK	38000	1RB#49	23.92	PASS
Band38	20MHz	QPSK	38000	1RB#99	23.54	PASS
Band38	20MHz	QPSK	38000	50RB#0	22.55	PASS
Band38	20MHz	QPSK	38000	50RB#25	22.52	PASS
Band38	20MHz	QPSK	38000	50RB#50	22.52	PASS
Band38	20MHz	QPSK	38000	100RB#0	22.57	PASS
Band38	20MHz	QPSK	38150	1RB#0	23.48	PASS
Band38	20MHz	QPSK	38150	1RB#49	24.03	PASS
Band38	20MHz	QPSK	38150	1RB#99	23.39	PASS
Band38	20MHz	QPSK	38150	50RB#0	22.77	PASS
Band38	20MHz	QPSK	38150	50RB#25	22.79	PASS
Band38	20MHz	QPSK	38150	50RB#50	22.69	PASS
Band38	20MHz	QPSK	38150	100RB#0	22.77	PASS

Band38	20MHz	16QAM	37850	1RB#0	22.32	PASS
Band38	20MHz	16QAM	37850	1RB#49	22.68	PASS
Band38	20MHz	16QAM	37850	1RB#99	22.06	PASS
Band38	20MHz	16QAM	37850	50RB#0	21.58	PASS
Band38	20MHz	16QAM	37850	50RB#25	21.61	PASS
Band38	20MHz	16QAM	37850	50RB#50	21.32	PASS
Band38	20MHz	16QAM	37850	100RB#0	21.54	PASS
Band38	20MHz	16QAM	38000	1RB#0	22.34	PASS
Band38	20MHz	16QAM	38000	1RB#49	22.89	PASS
Band38	20MHz	16QAM	38000	1RB#99	22.58	PASS
Band38	20MHz	16QAM	38000	50RB#0	21.53	PASS
Band38	20MHz	16QAM	38000	50RB#25	21.52	PASS
Band38	20MHz	16QAM	38000	50RB#50	21.63	PASS
Band38	20MHz	16QAM	38000	100RB#0	21.57	PASS
Band38	20MHz	16QAM	38150	1RB#0	22.28	PASS
Band38	20MHz	16QAM	38150	1RB#49	22.83	PASS
Band38	20MHz	16QAM	38150	1RB#99	22.19	PASS
Band38	20MHz	16QAM	38150	50RB#0	21.87	PASS
Band38	20MHz	16QAM	38150	50RB#25	21.85	PASS
Band38	20MHz	16QAM	38150	50RB#50	21.75	PASS
Band38	20MHz	16QAM	38150	100RB#0	21.78	PASS

Band 40 (2305-2315MHz)

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band40	5MHz	QPSK	38725	1RB#0	23.44	PASS
Band40	5MHz	QPSK	38725	1RB#12	23.60	PASS
Band40	5MHz	QPSK	38725	1RB#24	23.42	PASS
Band40	5MHz	QPSK	38725	12RB#0	22.35	PASS
Band40	5MHz	QPSK	38725	12RB#6	22.34	PASS
Band40	5MHz	QPSK	38725	12RB#13	22.39	PASS
Band40	5MHz	QPSK	38725	25RB#0	22.37	PASS
Band40	5MHz	QPSK	38750	1RB#0	23.44	PASS
Band40	5MHz	QPSK	38750	1RB#12	23.57	PASS
Band40	5MHz	QPSK	38750	1RB#24	23.43	PASS
Band40	5MHz	QPSK	38750	12RB#0	22.39	PASS
Band40	5MHz	QPSK	38750	12RB#6	22.35	PASS
Band40	5MHz	QPSK	38750	12RB#13	22.42	PASS

Band40	5MHz	QPSK	38750	25RB#0	22.35	PASS
Band40	5MHz	QPSK	38775	1RB#0	23.44	PASS
Band40	5MHz	QPSK	38775	1RB#12	23.59	PASS
Band40	5MHz	QPSK	38775	1RB#24	23.46	PASS
Band40	5MHz	QPSK	38775	12RB#0	22.43	PASS
Band40	5MHz	QPSK	38775	12RB#6	22.36	PASS
Band40	5MHz	QPSK	38775	12RB#13	22.41	PASS
Band40	5MHz	QPSK	38775	25RB#0	22.38	PASS
Band40	5MHz	16QAM	38725	1RB#0	22.33	PASS
Band40	5MHz	16QAM	38725	1RB#12	22.47	PASS
Band40	5MHz	16QAM	38725	1RB#24	22.28	PASS
Band40	5MHz	16QAM	38725	12RB#0	21.29	PASS
Band40	5MHz	16QAM	38725	12RB#6	21.30	PASS
Band40	5MHz	16QAM	38725	12RB#13	21.40	PASS
Band40	5MHz	16QAM	38725	25RB#0	21.43	PASS
Band40	5MHz	16QAM	38750	1RB#0	22.31	PASS
Band40	5MHz	16QAM	38750	1RB#12	22.40	PASS
Band40	5MHz	16QAM	38750	1RB#24	22.34	PASS
Band40	5MHz	16QAM	38750	12RB#0	21.35	PASS
Band40	5MHz	16QAM	38750	12RB#6	21.33	PASS
Band40	5MHz	16QAM	38750	12RB#13	21.38	PASS
Band40	5MHz	16QAM	38750	25RB#0	21.38	PASS
Band40	5MHz	16QAM	38775	1RB#0	22.40	PASS
Band40	5MHz	16QAM	38775	1RB#12	22.56	PASS
Band40	5MHz	16QAM	38775	1RB#24	22.49	PASS
Band40	5MHz	16QAM	38775	12RB#0	21.43	PASS
Band40	5MHz	16QAM	38775	12RB#6	21.33	PASS
Band40	5MHz	16QAM	38775	12RB#13	21.39	PASS
Band40	5MHz	16QAM	38775	25RB#0	21.40	PASS
Band40	10MHz	QPSK	38750	1RB#0	23.64	PASS
Band40	10MHz	QPSK	38750	1RB#24	23.86	PASS
Band40	10MHz	QPSK	38750	1RB#49	23.67	PASS
Band40	10MHz	QPSK	38750	25RB#0	22.47	PASS
Band40	10MHz	QPSK	38750	25RB#12	22.48	PASS
Band40	10MHz	QPSK	38750	25RB#25	22.48	PASS
Band40	10MHz	QPSK	38750	50RB#0	22.42	PASS
Band40	10MHz	16QAM	38750	1RB#0	22.38	PASS

Band40	10MHz	16QAM	38750	1RB#24	22.59	PASS
Band40	10MHz	16QAM	38750	1RB#49	22.37	PASS
Band40	10MHz	16QAM	38750	25RB#0	21.46	PASS
Band40	10MHz	16QAM	38750	25RB#12	21.43	PASS
Band40	10MHz	16QAM	38750	25RB#25	21.51	PASS
Band40	10MHz	16QAM	38750	50RB#0	21.48	PASS

Band 40(2350-2360)

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band40	5MHz	QPSK	39175	1RB#0	23.66	PASS
Band40	5MHz	QPSK	39175	1RB#12	23.81	PASS
Band40	5MHz	QPSK	39175	1RB#24	23.61	PASS
Band40	5MHz	QPSK	39175	12RB#0	22.62	PASS
Band40	5MHz	QPSK	39175	12RB#6	22.61	PASS
Band40	5MHz	QPSK	39175	12RB#13	22.57	PASS
Band40	5MHz	QPSK	39175	25RB#0	22.61	PASS
Band40	5MHz	QPSK	39200	1RB#0	23.59	PASS
Band40	5MHz	QPSK	39200	1RB#12	23.72	PASS
Band40	5MHz	QPSK	39200	1RB#24	23.58	PASS
Band40	5MHz	QPSK	39200	12RB#0	22.60	PASS
Band40	5MHz	QPSK	39200	12RB#6	22.59	PASS
Band40	5MHz	QPSK	39200	12RB#13	22.56	PASS
Band40	5MHz	QPSK	39200	25RB#0	22.59	PASS
Band40	5MHz	QPSK	39225	1RB#0	23.64	PASS
Band40	5MHz	QPSK	39225	1RB#12	23.78	PASS
Band40	5MHz	QPSK	39225	1RB#24	23.64	PASS
Band40	5MHz	QPSK	39225	12RB#0	22.57	PASS
Band40	5MHz	QPSK	39225	12RB#6	22.60	PASS
Band40	5MHz	QPSK	39225	12RB#13	22.58	PASS
Band40	5MHz	QPSK	39225	25RB#0	22.60	PASS
Band40	5MHz	16QAM	39175	1RB#0	22.56	PASS
Band40	5MHz	16QAM	39175	1RB#12	22.67	PASS
Band40	5MHz	16QAM	39175	1RB#24	22.52	PASS
Band40	5MHz	16QAM	39175	12RB#0	21.57	PASS
Band40	5MHz	16QAM	39175	12RB#6	21.61	PASS
Band40	5MHz	16QAM	39175	12RB#13	21.58	PASS
Band40	5MHz	16QAM	39175	25RB#0	21.60	PASS

Band40	5MHz	16QAM	39200	1RB#0	22.58	PASS
Band40	5MHz	16QAM	39200	1RB#12	22.69	PASS
Band40	5MHz	16QAM	39200	1RB#24	22.58	PASS
Band40	5MHz	16QAM	39200	12RB#0	21.60	PASS
Band40	5MHz	16QAM	39200	12RB#6	21.61	PASS
Band40	5MHz	16QAM	39200	12RB#13	21.57	PASS
Band40	5MHz	16QAM	39200	25RB#0	21.59	PASS
Band40	5MHz	16QAM	39225	1RB#0	22.47	PASS
Band40	5MHz	16QAM	39225	1RB#12	22.61	PASS
Band40	5MHz	16QAM	39225	1RB#24	22.49	PASS
Band40	5MHz	16QAM	39225	12RB#0	21.58	PASS
Band40	5MHz	16QAM	39225	12RB#6	21.62	PASS
Band40	5MHz	16QAM	39225	12RB#13	21.63	PASS
Band40	5MHz	16QAM	39225	25RB#0	21.66	PASS
Band40	10MHz	QPSK	39200	1RB#0	23.74	PASS
Band40	10MHz	QPSK	39200	1RB#24	23.95	PASS
Band40	10MHz	QPSK	39200	1RB#49	23.73	PASS
Band40	10MHz	QPSK	39200	25RB#0	22.60	PASS
Band40	10MHz	QPSK	39200	25RB#12	22.59	PASS
Band40	10MHz	QPSK	39200	25RB#25	22.61	PASS
Band40	10MHz	QPSK	39200	50RB#0	22.61	PASS
Band40	10MHz	16QAM	39200	1RB#0	22.50	PASS
Band40	10MHz	16QAM	39200	1RB#24	22.73	PASS
Band40	10MHz	16QAM	39200	1RB#49	22.48	PASS
Band40	10MHz	16QAM	39200	25RB#0	21.62	PASS
Band40	10MHz	16QAM	39200	25RB#12	21.61	PASS
Band40	10MHz	16QAM	39200	25RB#25	21.66	PASS
Band40	10MHz	16QAM	39200	50RB#0	21.64	PASS

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band41	5MHz	QPSK	40265	1RB#0	22.34	PASS
Band41	5MHz	QPSK	40265	1RB#12	22.44	PASS
Band41	5MHz	QPSK	40265	1RB#24	22.32	PASS
Band41	5MHz	QPSK	40265	12RB#0	21.40	PASS
Band41	5MHz	QPSK	40265	12RB#6	21.39	PASS
Band41	5MHz	QPSK	40265	12RB#13	21.36	PASS
Band41	5MHz	QPSK	40265	25RB#0	21.36	PASS

Band41	5MHz	QPSK	40740	1RB#0	22.44	PASS
Band41	5MHz	QPSK	40740	1RB#12	22.59	PASS
Band41	5MHz	QPSK	40740	1RB#24	22.46	PASS
Band41	5MHz	QPSK	40740	12RB#0	21.59	PASS
Band41	5MHz	QPSK	40740	12RB#6	21.57	PASS
Band41	5MHz	QPSK	40740	12RB#13	21.55	PASS
Band41	5MHz	QPSK	40740	25RB#0	21.51	PASS
Band41	5MHz	QPSK	41215	1RB#0	22.95	PASS
Band41	5MHz	QPSK	41215	1RB#12	23.08	PASS
Band41	5MHz	QPSK	41215	1RB#24	23.01	PASS
Band41	5MHz	QPSK	41215	12RB#0	21.99	PASS
Band41	5MHz	QPSK	41215	12RB#6	21.96	PASS
Band41	5MHz	QPSK	41215	12RB#13	21.95	PASS
Band41	5MHz	QPSK	41215	25RB#0	21.99	PASS
Band41	5MHz	16QAM	40265	1RB#0	21.32	PASS
Band41	5MHz	16QAM	40265	1RB#12	21.39	PASS
Band41	5MHz	16QAM	40265	1RB#24	21.23	PASS
Band41	5MHz	16QAM	40265	12RB#0	20.43	PASS
Band41	5MHz	16QAM	40265	12RB#6	20.49	PASS
Band41	5MHz	16QAM	40265	12RB#13	20.67	PASS
Band41	5MHz	16QAM	40265	25RB#0	20.35	PASS
Band41	5MHz	16QAM	40740	1RB#0	21.49	PASS
Band41	5MHz	16QAM	40740	1RB#12	21.62	PASS
Band41	5MHz	16QAM	40740	1RB#24	21.55	PASS
Band41	5MHz	16QAM	40740	12RB#0	20.55	PASS
Band41	5MHz	16QAM	40740	12RB#6	20.56	PASS
Band41	5MHz	16QAM	40740	12RB#13	20.55	PASS
Band41	5MHz	16QAM	40740	25RB#0	20.53	PASS
Band41	5MHz	16QAM	41215	1RB#0	21.77	PASS
Band41	5MHz	16QAM	41215	1RB#12	21.86	PASS
Band41	5MHz	16QAM	41215	1RB#24	21.78	PASS
Band41	5MHz	16QAM	41215	12RB#0	21.04	PASS
Band41	5MHz	16QAM	41215	12RB#6	21.03	PASS
Band41	5MHz	16QAM	41215	12RB#13	21.01	PASS
Band41	5MHz	16QAM	41215	25RB#0	21.07	PASS
Band41	10MHz	QPSK	40290	1RB#0	22.47	PASS
Band41	10MHz	QPSK	40290	1RB#24	22.72	PASS

Band41	10MHz	QPSK	40290	1RB#49	22.42	PASS
Band41	10MHz	QPSK	40290	25RB#0	21.49	PASS
Band41	10MHz	QPSK	40290	25RB#12	21.49	PASS
Band41	10MHz	QPSK	40290	25RB#25	21.48	PASS
Band41	10MHz	QPSK	40290	50RB#0	21.48	PASS
Band41	10MHz	QPSK	40740	1RB#0	22.67	PASS
Band41	10MHz	QPSK	40740	1RB#24	23.02	PASS
Band41	10MHz	QPSK	40740	1RB#49	22.68	PASS
Band41	10MHz	QPSK	40740	25RB#0	21.73	PASS
Band41	10MHz	QPSK	40740	25RB#12	21.70	PASS
Band41	10MHz	QPSK	40740	25RB#25	21.70	PASS
Band41	10MHz	QPSK	40740	50RB#0	21.72	PASS
Band41	10MHz	QPSK	41190	1RB#0	22.94	PASS
Band41	10MHz	QPSK	41190	1RB#24	23.34	PASS
Band41	10MHz	QPSK	41190	1RB#49	23.06	PASS
Band41	10MHz	QPSK	41190	25RB#0	22.08	PASS
Band41	10MHz	QPSK	41190	25RB#12	22.10	PASS
Band41	10MHz	QPSK	41190	25RB#25	22.05	PASS
Band41	10MHz	QPSK	41190	50RB#0	22.09	PASS
Band41	10MHz	16QAM	40290	1RB#0	21.52	PASS
Band41	10MHz	16QAM	40290	1RB#24	21.70	PASS
Band41	10MHz	16QAM	40290	1RB#49	21.40	PASS
Band41	10MHz	16QAM	40290	25RB#0	20.51	PASS
Band41	10MHz	16QAM	40290	25RB#12	20.50	PASS
Band41	10MHz	16QAM	40290	25RB#25	20.47	PASS
Band41	10MHz	16QAM	40290	50RB#0	20.53	PASS
Band41	10MHz	16QAM	40740	1RB#0	21.45	PASS
Band41	10MHz	16QAM	40740	1RB#24	21.78	PASS
Band41	10MHz	16QAM	40740	1RB#49	21.54	PASS
Band41	10MHz	16QAM	40740	25RB#0	20.69	PASS
Band41	10MHz	16QAM	40740	25RB#12	20.74	PASS
Band41	10MHz	16QAM	40740	25RB#25	20.75	PASS
Band41	10MHz	16QAM	40740	50RB#0	20.74	PASS
Band41	10MHz	16QAM	41190	1RB#0	21.64	PASS
Band41	10MHz	16QAM	41190	1RB#24	22.06	PASS
Band41	10MHz	16QAM	41190	1RB#49	21.77	PASS
Band41	10MHz	16QAM	41190	25RB#0	21.17	PASS

Band41	10MHz	16QAM	41190	25RB#12	21.23	PASS
Band41	10MHz	16QAM	41190	25RB#25	21.16	PASS
Band41	10MHz	16QAM	41190	50RB#0	21.17	PASS
Band41	15MHz	QPSK	40315	1RB#0	22.45	PASS
Band41	15MHz	QPSK	40315	1RB#38	22.49	PASS
Band41	15MHz	QPSK	40315	1RB#74	22.35	PASS
Band41	15MHz	QPSK	40315	38RB#0	21.41	PASS
Band41	15MHz	QPSK	40315	38RB#18	21.45	PASS
Band41	15MHz	QPSK	40315	38RB#37	21.37	PASS
Band41	15MHz	QPSK	40315	75RB#0	21.54	PASS
Band41	15MHz	QPSK	40740	1RB#0	22.51	PASS
Band41	15MHz	QPSK	40740	1RB#38	22.63	PASS
Band41	15MHz	QPSK	40740	1RB#74	22.58	PASS
Band41	15MHz	QPSK	40740	38RB#0	21.60	PASS
Band41	15MHz	QPSK	40740	38RB#18	21.76	PASS
Band41	15MHz	QPSK	40740	38RB#37	21.73	PASS
Band41	15MHz	QPSK	40740	75RB#0	21.88	PASS
Band41	15MHz	QPSK	41165	1RB#0	22.84	PASS
Band41	15MHz	QPSK	41165	1RB#38	23.09	PASS
Band41	15MHz	QPSK	41165	1RB#74	22.99	PASS
Band41	15MHz	QPSK	41165	38RB#0	21.60	PASS
Band41	15MHz	QPSK	41165	38RB#18	21.77	PASS
Band41	15MHz	QPSK	41165	38RB#37	21.71	PASS
Band41	15MHz	QPSK	41165	75RB#0	22.18	PASS
Band41	15MHz	16QAM	40315	1RB#0	21.46	PASS
Band41	15MHz	16QAM	40315	1RB#38	21.45	PASS
Band41	15MHz	16QAM	40315	1RB#74	21.37	PASS
Band41	15MHz	16QAM	40315	38RB#0	21.43	PASS
Band41	15MHz	16QAM	40315	38RB#18	21.45	PASS
Band41	15MHz	16QAM	40315	38RB#37	21.34	PASS
Band41	15MHz	16QAM	40315	75RB#0	20.47	PASS
Band41	15MHz	16QAM	40740	1RB#0	21.57	PASS
Band41	15MHz	16QAM	40740	1RB#38	21.76	PASS
Band41	15MHz	16QAM	40740	1RB#74	21.74	PASS
Band41	15MHz	16QAM	40740	38RB#0	21.58	PASS
Band41	15MHz	16QAM	40740	38RB#18	21.76	PASS
Band41	15MHz	16QAM	40740	38RB#37	21.74	PASS

Band41	15MHz	16QAM	40740	75RB#0	20.79	PASS
Band41	15MHz	16QAM	41165	1RB#0	21.58	PASS
Band41	15MHz	16QAM	41165	1RB#38	21.77	PASS
Band41	15MHz	16QAM	41165	1RB#74	21.72	PASS
Band41	15MHz	16QAM	41165	38RB#0	21.59	PASS
Band41	15MHz	16QAM	41165	38RB#18	21.72	PASS
Band41	15MHz	16QAM	41165	38RB#37	21.72	PASS
Band41	15MHz	16QAM	41165	75RB#0	21.16	PASS
Band41	20MHz	QPSK	40340	1RB#0	22.31	PASS
Band41	20MHz	QPSK	40340	1RB#49	22.79	PASS
Band41	20MHz	QPSK	40340	1RB#99	22.35	PASS
Band41	20MHz	QPSK	40340	50RB#0	21.47	PASS
Band41	20MHz	QPSK	40340	50RB#25	21.46	PASS
Band41	20MHz	QPSK	40340	50RB#50	21.44	PASS
Band41	20MHz	QPSK	40340	100RB#0	21.50	PASS
Band41	20MHz	QPSK	40740	1RB#0	22.49	PASS
Band41	20MHz	QPSK	40740	1RB#49	22.99	PASS
Band41	20MHz	QPSK	40740	1RB#99	22.55	PASS
Band41	20MHz	QPSK	40740	50RB#0	21.69	PASS
Band41	20MHz	QPSK	40740	50RB#25	21.72	PASS
Band41	20MHz	QPSK	40740	50RB#50	21.75	PASS
Band41	20MHz	QPSK	40740	100RB#0	21.76	PASS
Band41	20MHz	QPSK	41140	1RB#0	22.57	PASS
Band41	20MHz	QPSK	41140	1RB#49	23.35	PASS
Band41	20MHz	QPSK	41140	1RB#99	22.87	PASS
Band41	20MHz	QPSK	41140	50RB#0	22.04	PASS
Band41	20MHz	QPSK	41140	50RB#25	22.03	PASS
Band41	20MHz	QPSK	41140	50RB#50	21.95	PASS
Band41	20MHz	QPSK	41140	100RB#0	21.99	PASS
Band41	20MHz	16QAM	40340	1RB#0	21.22	PASS
Band41	20MHz	16QAM	40340	1RB#49	21.65	PASS
Band41	20MHz	16QAM	40340	1RB#99	21.18	PASS
Band41	20MHz	16QAM	40340	50RB#0	20.44	PASS
Band41	20MHz	16QAM	40340	50RB#25	20.43	PASS
Band41	20MHz	16QAM	40340	50RB#50	20.47	PASS
Band41	20MHz	16QAM	40340	100RB#0	20.46	PASS
Band41	20MHz	16QAM	40740	1RB#0	21.51	PASS

Band41	20MHz	16QAM	40740	1RB#49	22.05	PASS
Band41	20MHz	16QAM	40740	1RB#99	21.68	PASS
Band41	20MHz	16QAM	40740	50RB#0	20.74	PASS
Band41	20MHz	16QAM	40740	50RB#25	20.72	PASS
Band41	20MHz	16QAM	40740	50RB#50	20.78	PASS
Band41	20MHz	16QAM	40740	100RB#0	20.74	PASS
Band41	20MHz	16QAM	41140	1RB#0	21.47	PASS
Band41	20MHz	16QAM	41140	1RB#49	22.04	PASS
Band41	20MHz	16QAM	41140	1RB#99	21.62	PASS
Band41	20MHz	16QAM	41140	50RB#0	21.15	PASS
Band41	20MHz	16QAM	41140	50RB#25	21.15	PASS
Band41	20MHz	16QAM	41140	50RB#50	21.10	PASS
Band41	20MHz	16QAM	41140	100RB#0	21.09	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 $> \frac{1}{2}$ dB higher than the same configuration in QPSK or when the reported SAR for the QPSK configuration is > 1.45 W/kg.

WLAN(2.4G) - Maximum Average Power					
Test Mode	Data Rate	Channel	Frequency (MHz)	Average Power (dBm)	Tune-up power (dBm)
802.11b	1Mbps	CH 01	2412	17.01	17.5
		CH 06	2437	16.33	16.5
		CH 11	2462	16.40	16.5
802.11g	54Mbps	CH 01	2412	14.55	15.0
		CH 06	2437	13.97	14.0
		CH 11	2462	13.36	13.5
802.11n (20MHz)	MCS7	CH 01	2412	14.35	14.5
		CH 06	2437	13.55	14.0
		CH 11	2462	13.15	13.5
802.11n (40MHz)	MCS7	CH 03	2422	12.66	13.0
		CH 06	2437	12.05	12.5
		CH 09	2452	12.15	12.5

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 ≤ 1.2 W/kg.
4. Per KDB 248227 D01 v02r02, When multiple channel bandwidth configurations in a frequency band have the same specified maximum output power, the initial test configuration is determined by applying the following steps sequentially.
 - 1) The largest channel bandwidth configuration is selected among the multiple configurations in a frequency band with the same specified maximum output power.
 - 2) If multiple configurations have the same specified maximum output power and largest channel bandwidth, the lowest order modulation among the largest channel bandwidth configurations is selected.
 - 3) If multiple configurations have the same specified maximum output power, largest channel bandwidth and lowest order modulation, the lowest data rate configuration among these configurations is selected.
 - 4) When multiple transmission modes (802.11a/g/n/ac) have the same specified maximum output power, largest channel bandwidth, lowest order modulation and lowest data rate, the lowest order 802.11 mode is selected; i.e., 802.11a is chosen over 802.11n then 802.11ac or 802.11g is chosen over 802.11n.

Bluetooth - Maximum Average Power			
Test Mode	Data Rate	Average Power(dBm)	Tune-up power (dBm)
GFSK	1Mbps	8.81	9.0
Pi/4 QDPSK	2Mbps	8.83	9.0
8DPSK	3Mbps	8.74	9.0

Bluetooth - Maximum Average Power					
Test Mode	Data Rate	Channel	Frequency (MHz)	Average Power (dBm)	Tune-up power (dBm)
BLE	1Mbps	CH 00	2402	-3.28	-3.0
		CH 19	2440	-3.15	-3.0
		CH 39	2480	-3.02	-3.0

Remark:

Bluetooth maximum output power is 1.58dBm and 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:

$[(\text{max. power of channel, including tune-up tolerance, mW})/(\text{min. test separation distance, mm})] \cdot [\sqrt{f(\text{GHz})}] \leq 3.0$ for 1-g SAR and ≤ 7.5 for 10-g extremity SAR,¹⁶ where

- $f(\text{GHz})$ 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

Bluetooth:

Tune-Up Power (dBm)	Max. Power (mW)	Distance (mm)	Frequency (GHz)	Result	Limit
9.0	7.94	5	2.440	2.48	3

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

9.2 Test Results for Standalone SAR Test

Head SAR

GSM850 – Head SAR Test									
Plot No.	Mode	Test Position Head	Frequency		Output Power (dBm)	Rated Limit (dBm)	Scaling Factor	SAR1g (W/kg)	Scaled SAR1g (W/kg)
			CH.	MHz					
1.	GSM	Right Cheek	128	824.2	32.84	33.0	1.038	0.185	0.192
	GSM	Right Tilted	128	824.2	32.84	33.0	1.038	0.150	0.156
	GSM	Left Cheek	128	824.2	32.84	33.0	1.038	0.149	0.155
	GSM	Left Tilted	128	824.2	32.84	33.0	1.038	0.115	0.119

GSM1900 – Head SAR Test									
Plot No.	Mode	Test Position Head	Frequency		Output Power (dBm)	Rated Limit (dBm)	Scaling Factor	SAR1g (W/kg)	Scaled SAR1g (W/kg)
			CH.	M Hz					
	GSM	Right Cheek	810	1909.8	29.33	29.5	1.040	0.110	0.114
	GSM	Right Tilted	810	1909.8	29.33	29.5	1.040	0.097	0.101
2.	GSM	Left Cheek	810	1909.8	29.33	29.5	1.040	0.228	0.237
	GSM	Left Tilted	810	1909.8	29.33	29.5	1.040	0.213	0.222

GPRS850 – Head SAR Test									
Plot No.	Mode	Test Position Head	Frequency		Output Power (dBm)	Rated Limit (dBm)	Scaling Factor	SAR1g (W/kg)	Scaled SAR1g (W/kg)
			CH.	MHz					
3.	GPRS_2TX	Right Cheek	251	848.8	32.23	32.5	1.064	0.118	0.126
	GPRS_2TX	Right Tilted	251	848.8	32.23	32.5	1.064	0.097	0.103
	GPRS_2TX	Left Cheek	251	848.8	32.23	32.5	1.064	0.107	0.114
	GPRS_2TX	Left Tilted	251	848.8	32.23	32.5	1.064	0.099	0.105

GPRS1900 – Head SAR Test									
Plot No.	Mode	Test Position Head	Frequency		Output Power (dBm)	Rated Limit (dBm)	Scaling Factor	SAR1g (W/kg)	Scaled SAR1g (W/kg)
			CH.	M Hz					
	GPRS_4TX	Right Cheek	512	1850.2	25.51	26.0	1.119	0.155	0.174
	GPRS_4TX	Right Tilted	512	1850.2	25.51	26.0	1.119	0.135	0.151
4.	GPRS_4TX	Left Cheek	512	1850.2	25.51	26.0	1.119	0.278	0.311
	GPRS_4TX	Left Tilted	512	1850.2	25.51	26.0	1.119	0.214	0.240

WCDMA Band 2 – Head SAR Test									
Plot No.	Mode	Test Position Head	Frequency		Output Power (dBm)	Rated Limit (dBm)	Scaling Factor	SAR1g (W/kg)	Scaled SAR1g (W/kg)
			CH.	MHz					
	RMC	Right Cheek	9262	1852.4	22.96	23.0	1.009	0.211	0.213
	RMC	Right Tilted	9262	1852.4	22.96	23.0	1.009	0.115	0.116
5.	RMC	Left Cheek	9262	1852.4	22.96	23.0	1.009	0.437	0.441
	RMC	Left Tilted	9262	1852.4	22.96	23.0	1.009	0.421	0.425

WCDMA Band 4 – Head SAR Test									
Plot No.	Mode	Test Position Head	Frequency		Output Power (dBm)	Rated Limit (dBm)	Scaling Factor	SAR1g (W/kg)	Scaled SAR1g (W/kg)
			CH.	MHz					
	RMC	Right Cheek	1513	1752.6	22.45	22.5	1.012	0.271	0.274
	RMC	Right Tilted	1513	1752.6	22.45	22.5	1.012	0.214	0.216
6.	RMC	Left Cheek	1513	1752.6	22.45	22.5	1.012	0.647	0.654
	RMC	Left Tilted	1513	1752.6	22.45	22.5	1.012	0.564	0.571

WCDMA Band 5 – Head SAR Test									
Plot No.	Mode	Test Position Head	Frequency		Output Power (dBm)	Rated Limit (dBm)	Scaling Factor	SAR1g (W/kg)	Scaled SAR1g (W/kg)
			CH.	MHz					
	RMC	Right Cheek	4183	836.4	23.10	23.5	1.096	0.095	0.104
	RMC	Right Tilted	4183	836.4	23.10	23.5	1.096	0.085	0.093
7.	RMC	Left Cheek	4183	836.4	23.10	23.5	1.096	0.120	0.132
	RMC	Left Tilted	4183	836.4	23.10	23.5	1.096	0.113	0.124

LTE Band 2– Head SAR Test								
Plot No.	Mode	Test Position	Freque ncy	Output Power (dBm)	Rated Limit (dBm)	Scaling Factor	SAR1g (W/kg)	Scaled SAR1g (W/kg)
	Modulation, Bandwidth, RB		Head					
	QPSK 20MHz 1RB	Right Cheek	1880	24.09	24.5	1.099	0.191	0.210
	QPSK 20MHz 1RB	Right Tilted	1880	24.09	24.5	1.099	0.186	0.204
8.	QPSK 20MHz 1RB	Left Cheek	1880	24.09	24.5	1.099	0.401	0.441
	QPSK 20MHz 1RB	Left Tilted	1880	24.09	24.5	1.099	0.356	0.391
	QPSK 20MHz 50%RB	Right Cheek	1880	24.09	24.5	1.099	0.165	0.181
	QPSK 20MHz 50%RB	Right Tilted	1880	24.09	24.5	1.099	0.152	0.167
	QPSK 20MHz 50%RB	Left Cheek	1880	24.09	24.5	1.099	0.347	0.381
	QPSK 20MHz 50%RB	Left Tilted	1880	24.09	24.5	1.099	0.247	0.271

LTE Band 4– Head SAR Test								
Plot No.	Mode	Test Position Head	Frequency	Output Power (dBm)	Rated Limit (dBm)	Scaling Factor	SAR1g (W/kg)	Scaled SAR1g (W/kg)
	Modulation, Bandwidth, RB		MHz					
	QPSK 20MHz 1RB	Right Cheek	1745	23.48	23.5	1.005	0.236	0.237
	QPSK 20MHz 1RB	Right Tilted	1745	23.48	23.5	1.005	0.212	0.213
9.	QPSK 20MHz 1RB	Left Cheek	1745	23.48	23.5	1.005	0.470	0.472
	QPSK 20MHz 1RB	Left Tilted	1745	23.48	23.5	1.005	0.359	0.361
	QPSK 20MHz 50%RB	Right Cheek	1745	23.48	23.5	1.005	0.204	0.205
	QPSK 20MHz 50%RB	Right Tilted	1745	23.48	23.5	1.005	0.169	0.170
	QPSK 20MHz 50%RB	Left Cheek	1745	23.48	23.5	1.005	0.411	0.413
	QPSK 20MHz 50%RB	Left Tilted	1745	23.48	23.5	1.005	0.374	0.376

LTE Band 5– Head SAR Test								
Plot No.	Mode	Test Position Head	Frequency	Output Power (dBm)	Rated Limit (dBm)	Scaling Factor	SAR1g (W/kg)	Scaled SAR1g (W/kg)
	Modulation, Bandwidth, RB		MHz					
	QPSK 10MHz 1RB	Right Cheek	829	23.70	24.0	1.072	0.109	0.117
	QPSK 10MHz 1RB	Right Tilted	829	23.70	24.0	1.072	0.089	0.095
10.	QPSK 10MHz 1RB	Left Cheek	829	23.70	24.0	1.072	0.114	0.122
	QPSK 10MHz 1RB	Left Tilted	829	23.70	24.0	1.072	0.098	0.105
	QPSK 10MHz 50%RB	Right Cheek	829	23.70	24.0	1.072	0.092	0.099
	QPSK 10MHz 50%RB	Right Tilted	829	23.70	24.0	1.072	0.085	0.091
	QPSK 10MHz 50%RB	Left Cheek	829	23.70	24.0	1.072	0.087	0.093
	QPSK 10MHz 50%RB	Left Tilted	829	23.70	24.0	1.072	0.065	0.070

LTE Band 7– Head SAR Test								
Plot No.	Mode	Test Position Head	Frequency	Output Power (dBm)	Rated Limit (dBm)	Scaling Factor	SAR1g (W/kg)	Scaled SAR1g (W/kg)
	Modulation, Bandwidth		MHz					
	QPSK 20MHz 1RB	Right Cheek	2535	23.20	23.5	1.072	0.024	0.026
	QPSK 20MHz 1RB	Right Tilted	2535	23.20	23.5	1.072	0.012	0.013
11.	QPSK 20MHz 1RB	Left Cheek	2535	23.20	23.5	1.072	0.062	0.066
	QPSK 20MHz 1RB	Left Tilted	2535	23.20	23.5	1.072	0.056	0.060
	QPSK 20MHz 50%RB	Right Cheek	2535	23.20	23.5	1.072	0.022	0.024
	QPSK 20MHz 50%RB	Right Tilted	2535	23.20	23.5	1.072	0.019	0.020
	QPSK 20MHz 50%RB	Left Cheek	2535	23.20	23.5	1.072	0.055	0.059
	QPSK 20MHz 50%RB	Left Tilted	2535	23.20	23.5	1.072	0.046	0.049

LTE Band 12– Head SAR Test								
Plot No.	Mode	Test Position Head	Frequency	Output Power (dBm)	Rated Limit (dBm)	Scaling Factor	SAR1g (W/kg)	Scaled SAR1g (W/kg)
	Modulation, Bandwidth		MHz					
12.	QPSK 10MHz 1RB	Right Cheek	704	23.65	24.0	1.084	0.066	0.072
	QPSK 10MHz 1RB	Right Tilted	704	23.65	24.0	1.084	0.053	0.057
	QPSK 10MHz 1RB	Left Cheek	704	23.65	24.0	1.084	0.065	0.070
	QPSK 10MHz 1RB	Left Tilted	704	23.65	24.0	1.084	0.048	0.052
	QPSK 10MHz 50%RB	Right Cheek	704	23.65	24.0	1.084	0.060	0.065
	QPSK 10MHz 50%RB	Right Tilted	704	23.65	24.0	1.084	0.046	0.050
	QPSK 10MHz 50%RB	Left Cheek	704	23.65	24.0	1.084	0.059	0.064
	QPSK 10MHz 50%RB	Left Tilted	704	23.65	24.0	1.084	0.043	0.047

LTE Band 17– Head SAR Test								
Plot No.	Mode	Test Position Head	Frequency	Output Power (dBm)	Rated Limit (dBm)	Scaling Factor	SAR1g (W/kg)	Scaled SAR1g (W/kg)
	Modulation, Bandwidth		MHz					
	QPSK 10MHz 1RB	Right Cheek	709	23.59	24.0	1.099	0.062	0.068
	QPSK 10MHz 1RB	Right Tilted	709	23.59	24.0	1.099	0.056	0.062
13.	QPSK 10MHz 1RB	Left Cheek	709	23.59	24.0	1.099	0.068	0.075
	QPSK 10MHz 1RB	Left Tilted	709	23.59	24.0	1.099	0.049	0.054
	QPSK 10MHz 50%RB	Right Cheek	709	23.59	24.0	1.099	0.045	0.049
	QPSK 10MHz 50%RB	Right Tilted	709	23.59	24.0	1.099	0.036	0.040
	QPSK 10MHz 50%RB	Left Cheek	709	23.59	24.0	1.099	0.049	0.054
	QPSK 10MHz 50%RB	Left Tilted	709	23.59	24.0	1.099	0.039	0.043

LTE Band 38– Head SAR Test								
Plot No.	Mode	Test Position Head	Frequency	Output Power (dBm)	Rated Limit (dBm)	Scaling Factor	SAR1g (W/kg)	Scaled SAR1g (W/kg)
	Modulation, Bandwidth		MHz					
14.	QPSK 20MHz 1RB	Right Cheek	2610	24.03	24.5	1.114	0.015	0.017
	QPSK 20MHz 1RB	Right Tilted	2610	24.03	24.5	1.114	0.010	0.011
	QPSK 20MHz 1RB	Left Cheek	2610	24.03	24.5	1.114	0.013	0.014
	QPSK 20MHz 1RB	Left Tilted	2610	24.03	24.5	1.114	0.009	0.010
	QPSK 20MHz 50%RB	Right Cheek	2610	24.03	24.5	1.114	0.012	0.013
	QPSK 20MHz 50%RB	Right Tilted	2610	24.03	24.5	1.114	0.008	0.009
	QPSK 20MHz 50%RB	Left Cheek	2610	24.03	24.5	1.114	0.010	0.011
	QPSK 20MHz 50%RB	Left Tilted	2610	24.03	24.5	1.114	0.009	0.010

LTE Band 40(2305-2315)– Head SAR Test								
Plot No.	Mode	Test Position Head	Frequency	Output Power (dBm)	Rated Limit (dBm)	Scaling Factor	SAR1g (W/kg)	Scaled SAR1g (W/kg)
	Modulation, Bandwidth		MHz					
	QPSK 10MHz 1RB	Right Cheek	2307.5	23.86	24.0	1.033	0.022	0.023
	QPSK 10MHz 1RB	Right Tilted	2307.5	23.86	24.0	1.033	0.015	0.015
15.	QPSK 10MHz 1RB	Left Cheek	2307.5	23.86	24.0	1.033	0.108	0.112
	QPSK 10MHz 1RB	Left Tilted	2307.5	23.86	24.0	1.033	0.098	0.101
	QPSK 10MHz 50%RB	Right Cheek	2307.5	23.86	24.0	1.033	0.021	0.022
	QPSK 10MHz 50%RB	Right Tilted	2307.5	23.86	24.0	1.033	0.015	0.015
	QPSK 10MHz 50%RB	Left Cheek	2307.5	23.86	24.0	1.033	0.083	0.086
	QPSK 10MHz 50%RB	Left Tilted	2307.5	23.86	24.0	1.033	0.079	0.082

LTE Band 40(2350-2360)– Head SAR Test								
Plot No.	Mode	Test Position Head	Frequency	Output Power (dBm)	Rated Limit (dBm)	Scaling Factor	SAR1g (W/kg)	Scaled SAR1g (W/kg)
	Modulation, Bandwidth		MHz					
	QPSK 10MHz 1RB	Right Cheek	2352.5	23.95	24.0	1.012	0.023	0.023
	QPSK 10MHz 1RB	Right Tilted	2352.5	23.95	24.0	1.012	0.018	0.018
16.	QPSK 10MHz 1RB	Left Cheek	2352.5	23.95	24.0	1.012	0.081	0.082
	QPSK 10MHz 1RB	Left Tilted	2352.5	23.95	24.0	1.012	0.071	0.072
	QPSK 10MHz 50%RB	Right Cheek	2352.5	23.95	24.0	1.012	0.018	0.018
	QPSK 10MHz 50%RB	Right Tilted	2352.5	23.95	24.0	1.012	0.012	0.012
	QPSK 10MHz 50%RB	Left Cheek	2352.5	23.95	24.0	1.012	0.062	0.063
	QPSK 10MHz 50%RB	Left Tilted	2352.5	23.95	24.0	1.012	0.051	0.052

LTE Band 41– Head SAR Test								
Plot No.	Mode	Test Position Head	Frequency	Output Power (dBm)	Rated Limit (dBm)	Scaling Factor	SAR1g (W/kg)	Scaled SAR1g (W/kg)
	Modulation, Bandwidth		MHz					
17.	QPSK 20MHz 1RB	Right Cheek	2605	23.35	23.5	1.035	0.035	0.036
	QPSK 20MHz 1RB	Right Tilted	2605	23.35	23.5	1.035	0.029	0.030
	QPSK 20MHz 1RB	Left Cheek	2605	23.35	23.5	1.035	0.025	0.026
	QPSK 20MHz 1RB	Left Tilted	2605	23.35	23.5	1.035	0.018	0.019
	QPSK 20MHz 50%RB	Right Cheek	2605	23.35	23.5	1.035	0.030	0.031
	QPSK 20MHz 50%RB	Right Tilted	2605	23.35	23.5	1.035	0.026	0.027
	QPSK 20MHz 50%RB	Left Cheek	2605	23.35	23.5	1.035	0.021	0.022
	QPSK 20MHz 50%RB	Left Tilted	2605	23.35	23.5	1.035	0.017	0.018

WLAN 2.4GHz –Head SAR Test									
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	Right Cheek	01	2412	17.01	17.5	1.119	0.107	0.120
	802.11b	Right Tilted	01	2412	17.01	17.5	1.119	0.097	0.109
18.	802.11b	Left Cheek	01	2412	17.01	17.5	1.119	0.205	0.229
	802.11b	Left Tilted	01	2412	17.01	17.5	1.119	0.118	0.132

Remark: Per KDB 447498 D01 v06, if the highest output channel SAR for each exposure position ≤ 0.8 W/kg other channels SAR tests are not necessary.

Body-worn SAR

GSM850 – Body SAR Test (Gap: 10mm)									
Plot No.	Mode	Test Position Body	Frequency		Output Power (dBm)	Rated Limit (dBm)	Scaling Factor	SAR1g (W/kg)	Scaled SAR1g (W/kg)
			CH.	MHz					
19.	GSM	Back	128	824.2	32.84	33.0	1.038	0.339	0.352
	GSM	Front	128	824.2	32.84	33.0	1.038	0.228	0.237

GSM1900 – Body SAR Test (Gap: 10mm)									
Plot No.	Mode	Test Position Body	Frequency		Output Power (dBm)	Rated Limit (dBm)	Scaling Factor	SAR1g (W/kg)	Scaled SAR1g (W/kg)
			CH.	MHz					
20.	GSM	Back	810	1909.8	29.33	29.5	1.040	0.274	0.285
	GSM	Front	810	1909.8	29.33	29.5	1.040	0.164	0.171

WCDMA Band 2 – Body SAR Test (Gap: 10mm)									
Plot No.	Mode	Test Position Body	Frequency		Output Power (dBm)	Rated Limit (dBm)	Scaling Factor	SAR1g (W/kg)	Scaled SAR1g (W/kg)
			CH.	MHz					
21.	RMC 12.2k	Back Side	9262	1852.4	22.96	23.0	1.009	0.497	0.502
	RMC 12.2k	Front Face	9262	1852.4	22.96	23.0	1.009	0.245	0.247

WCDMA Band 4 – Body SAR Test (Gap: 10mm)									
Plot No.	Mode	Test Position Body	Frequency		Output Power (dBm)	Rated Limit (dBm)	Scaling Factor	SAR1g (W/kg)	Scaled SAR1g (W/kg)
			CH.	MHz					
	RMC 12.2k	Back Side	1513	1752.6	22.45	22.5	1.012	0.412	0.417
22.	RMC 12.2k	Front Face	1513	1752.6	22.45	22.5	1.012	0.532	0.538

WCDMA Band 5 – Body SAR Test (Gap: 10mm)									
Plot No.	Mode	Test Position Body	Frequency		Output Power (dBm)	Rated Limit (dBm)	Scaling Factor	SAR1g (W/kg)	Scaled SAR1g (W/kg)
			CH.	MHz					
23.	RMC 12.2k	Back Side	4183	836.4	23.10	23.5	1.096	0.295	0.323
	RMC 12.2k	Front Side	4183	836.4	23.10	23.5	1.096	0.169	0.185

LTE Band 2–Body SAR Test (Gap: 10mm)								
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					
24.	QPSK 20MHz 1RB	Back Side	1880	24.09	24.5	1.099	0.447	0.491
	QPSK 20MHz 1RB	Front Side	1880	24.09	24.5	1.099	0.266	0.292
	QPSK 20MHz 50%RB	Back Side	1880	24.09	24.5	1.099	0.354	0.389
	QPSK 20MHz 50%RB	Front Side	1880	24.09	24.5	1.099	0.233	0.256

LTE Band 4–Body SAR Test (Gap: 10mm)								
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					
	QPSK 20MHz 1RB	Back Side	1745	23.48	23.5	1.005	0.404	0.406
25.	QPSK 20MHz 1RB	Front Side	1745	23.48	23.5	1.005	0.437	0.439
	QPSK 20MHz 50%RB	Back Side	1745	23.48	23.5	1.005	0.355	0.357
	QPSK 20MHz 50%RB	Front Side	1745	23.48	23.5	1.005	0.353	0.355

LTE Band 5–Body SAR Test (Gap: 10mm)								
Plot No.	Mode	Test Position Body	Freque ncy	Output Power (dBm)	Rated Limit (dBm)	Scaling Factor	SAR1g (W/kg)	Scaled SAR1g (W/kg)
	Modulation, Bandwidth, RB		MHz					
26.	QPSK 10MHz 1RB	Back Side	829	23.70	24.0	1.072	0.315	0.338
	QPSK 10MHz 1RB	Front Side	829	23.70	24.0	1.072	0.156	0.167
	QPSK 10MHz 50%RB	Back Side	829	23.70	24.0	1.072	0.211	0.226
	QPSK 10MHz 50%RB	Front Side	829	23.70	24.0	1.072	0.156	0.167

LTE Band 7–Body SAR Test (Gap: 10mm)								
Plot No.	Mode	Test Position Body	Freque ncy	Output Power (dBm)	Rated Limit (dBm)	Scaling Factor	SAR1g (W/kg)	Scaled SAR1g (W/kg)
	Modulation, Bandwidth, RB		MHz					
27.	QPSK 20MHz 1RB	Back Side	2535	23.20	23.5	1.072	0.361	0.387
	QPSK 20MHz 1RB	Front Side	2535	23.20	23.5	1.072	0.31	0.332
	QPSK 20MHz 50%RB	Back Side	2535	23.20	23.5	1.072	0.333	0.357

	QPSK 20MHz 50%RB	Front Side	2535	23.20	23.5	1.072	0.272	0.291
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LTE Band 12–Body SAR Test (Gap: 10mm)								
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					
28.	QPSK 10MHz 1RB	Back Side	704	23.65	24.0	1.084	0.146	0.158
	QPSK 10MHz 1RB	Front Side	704	23.65	24.0	1.084	0.137	0.148
	QPSK 10MHz 50%RB	Back Side	704	23.65	24.0	1.084	0.130	0.141
	QPSK 10MHz 50%RB	Front Side	704	23.65	24.0	1.084	0.124	0.134

LTE Band 17–Body SAR Test (Gap: 10mm)								
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					
29.	QPSK 10MHz 1RB	Back Side	709	23.59	24.0	1.099	0.145	0.159
	QPSK 10MHz 1RB	Front Side	709	23.59	24.0	1.099	0.134	0.147
	QPSK 10MHz 50%RB	Back Side	709	23.59	24.0	1.099	0.106	0.116
	QPSK 10MHz 50%RB	Front Side	709	23.59	24.0	1.099	0.096	0.106

LTE Band 38–Body SAR Test (Gap: 10mm)								
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					
30.	QPSK 10MHz 1RB	Back Side	2610	24.03	24.5	1.114	0.159	0.177
	QPSK 10MHz 1RB	Front Side	2610	24.03	24.5	1.114	0.114	0.127
	QPSK 10MHz 50%RB	Back Side	2610	24.03	24.5	1.114	0.132	0.147
	QPSK 10MHz 50%RB	Front Side	2610	24.03	24.5	1.114	0.095	0.106

LTE Band 40((2305-2315))–Body SAR Test (Gap: 10mm)								
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					
31.	QPSK 10MHz 1RB	Back Side	2307.5	23.86	24.0	1.033	0.250	0.258
	QPSK 10MHz 1RB	Front Side	2307.5	23.86	24.0	1.033	0.17	0.176
	QPSK 10MHz 50%RB	Back Side	2307.5	23.86	24.0	1.033	0.198	0.204
	QPSK 10MHz 50%RB	Front Side	2307.5	23.86	24.0	1.033	0.131	0.135

LTE Band 40(2350-2360)–Body SAR Test (Gap: 10mm)								
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					
32.	QPSK 10MHz 1RB	Back Side	2352.5	23.95	24.0	1.012	0.239	0.242
	QPSK 10MHz 1RB	Front Side	2352.5	23.95	24.0	1.012	0.142	0.144
	QPSK 10MHz 50%RB	Back Side	2352.5	23.95	24.0	1.012	0.186	0.188
	QPSK 10MHz 50%RB	Front Side	2352.5	23.95	24.0	1.012	0.11	0.111

LTE Band 41–Body SAR Test (Gap: 10mm)								
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					
33.	QPSK 20MHz 1RB	Back Side	2605	23.35	23.5	1.035	0.281	0.291
	QPSK 20MHz 1RB	Front Side	2605	23.35	23.5	1.035	0.164	0.170
	QPSK 20MHz 50%RB	Back Side	2605	23.35	23.5	1.035	0.242	0.251
	QPSK 20MHz 50%RB	Front Side	2605	23.35	23.5	1.035	0.136	0.141

WLAN 2.4GHz –Body SAR Test (Gap: 10mm)									
Plot No.	Mode	Test Position Body	Frequency		Output Power (dBm)	Rated Limit (dBm)	Scaling Factor	SAR1g (W/kg)	Scaled SAR1g (W/kg)
			CH.	MHz					
34.	802.11b	Back Side	01	2412	17.01	17.5	1.119	0.171	0.191
	802.11b	Front Side	01	2412	17.01	17.5	1.119	0.088	0.099

Hotspot SAR

GSM850 – Body SAR Test (Gap: 10mm)									
Plot No.	Mode	Test Position Body	Frequency		Output Power (dBm)	Rated Limit (dBm)	Scaling Factor	SAR1g (W/kg)	Scaled SAR1g (W/kg)
			CH.	MHz					
35.	GPRS_2TX	Back Side	251	848.8	32.23	32.5	1.064	0.337	0.359
	GPRS_2TX	Front Side	251	848.8	32.23	32.5	1.064	0.262	0.279
	GPRS_2TX	Left side	251	848.8	32.23	32.5	1.064	0.249	0.265
	GPRS_2TX	Bottom side	251	848.8	32.23	32.5	1.064	0.188	0.200

GSM1900 – Body SAR Test (Gap: 10mm)									
Plot No.	Mode	Test Position Body	Frequency		Output Power (dBm)	Rated Limit (dBm)	Scaling Factor	SAR1g (W/kg)	Scaled SAR1g (W/kg)
			CH.	MHz					
	GPRS_4TX	Back Side	512	1850.2	25.51	26.0	1.119	0.248	0.278
	GPRS_4TX	Front Side	512	1850.2	25.51	26.0	1.119	0.152	0.170
	GPRS_4TX	Left side	512	1850.2	25.51	26.0	1.119	0.279	0.312
36.	GPRS_4TX	Bottom side	512	1850.2	25.51	26.0	1.119	0.459	0.514

WCDMA Band 2 – Body SAR Test (Gap: 10mm)									
Plot No.	Mode	Test Position Body	Frequency		Output Power (dBm)	Rated Limit (dBm)	Scaling Factor	SAR1g (W/kg)	Scaled SAR1g (W/kg)
			CH.	MHz					
	RMC 12.2k	Back Side	9262	1852.4	22.96	23.0	1.009	0.497	0.502
	RMC 12.2k	Front Side	9262	1852.4	22.96	23.0	1.009	0.245	0.247
	RMC 12.2k	Left side	9262	1852.4	22.96	23.0	1.009	0.423	0.427
37.	RMC 12.2k	Bottom side	9262	1852.4	22.96	23.0	1.009	0.743	0.750

WCDMA Band 4 – Body SAR Test (Gap: 10mm)									
Plot No.	Mode	Test Position Body	Frequency		Output Power (dBm)	Rated Limit (dBm)	Scaling Factor	SAR1g (W/kg)	Scaled SAR1g (W/kg)
			CH.	MHz					
	RMC 12.2k	Back Face	1513	1752.6	22.45	22.5	1.012	0.412	0.417
	RMC 12.2k	Front Face	1513	1752.6	22.45	22.5	1.012	0.532	0.538
	RMC 12.2k	Left Side	1513	1752.6	22.45	22.5	1.012	0.582	0.589
38.	RMC 12.2k	Bottom Side	1513	1752.6	22.45	22.5	1.012	0.588	0.595

WCDMA Band 5 – Body SAR Test (Gap: 10mm)									
Plot No.	Mode	Test Position Body	Frequency		Output Power (dBm)	Rated Limit (dBm)	Scaling Factor	SAR1g (W/kg)	Scaled SAR1g (W/kg)
			CH.	MHz					
39.	RMC 12.2k	Back Face	4183	836.4	23.10	23.5	1.096	0.295	0.323
	RMC 12.2k	Front Face	4183	836.4	23.10	23.5	1.096	0.169	0.185
	RMC 12.2k	Left Side	4183	836.4	23.10	23.5	1.096	0.183	0.201
	RMC 12.2k	Bottom Side	4183	836.4	23.10	23.5	1.096	0.157	0.172

LTE Band 2–Body SAR Test (Gap: 10mm)								
Plot No.	Mode	Test Position Body	Freque ncy	Output Power (dBm)	Rated Limit (dBm)	Scaling Factor	SAR1g (W/kg)	Scaled SAR1g (W/kg)
	Modulation, Bandwidth, RB		MHz					
	QPSK 20MHz 1RB	Back Face	1880	24.09	24.5	1.099	0.447	0.491
	QPSK 20MHz 1RB	Front Face	1880	24.09	24.5	1.099	0.266	0.292
	QPSK 20MHz 1RB	Left Side	1880	24.09	24.5	1.099	0.319	0.351
40.	QPSK 20MHz 1RB	Bottom Side	1880	24.09	24.5	1.099	0.669	0.735
	QPSK 20MHz 50%RB	Back Face	1880	24.09	24.5	1.099	0.354	0.389
	QPSK 20MHz 50%RB	Front Face	1880	24.09	24.5	1.099	0.233	0.256
	QPSK 20MHz 50%RB	Left Side	1880	24.09	24.5	1.099	0.283	0.311
	QPSK 20MHz 50%RB	Bottom Side	1880	24.09	24.5	1.099	0.573	0.630

LTE Band 4–Body SAR Test (Gap: 10mm)								
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	1745	23.48	23.5	1.005	0.404	0.406
	QPSK 20MHz 1RB	Front Face	1745	23.48	23.5	1.005	0.437	0.439
	QPSK 20MHz 1RB	Left Side	1745	23.48	23.5	1.005	0.445	0.447
41.	QPSK 20MHz 1RB	Bottom Side	1745	23.48	23.5	1.005	0.591	0.594
	QPSK 20MHz 50%RB	Back Face	1745	23.48	23.5	1.005	0.355	0.357
	QPSK 20MHz 50%RB	Front Face	1745	23.48	23.5	1.005	0.353	0.355
	QPSK 20MHz 50%RB	Left Side	1745	23.48	23.5	1.005	0.41	0.412
	QPSK 20MHz 50%RB	Bottom Side	1745	23.48	23.5	1.005	0.523	0.525

LTE Band 5–Body SAR Test (Gap: 10mm)								
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					
42.	QPSK 10MHz 1RB	Back Face	829	23.70	24.0	1.072	0.315	0.338
	QPSK 10MHz 1RB	Front Face	829	23.70	24.0	1.072	0.156	0.167
	QPSK 10MHz 1RB	Left Side	829	23.70	24.0	1.072	0.206	0.221
	QPSK 10MHz 1RB	Bottom Side	829	23.70	24.0	1.072	0.136	0.146
	QPSK 10MHz 50%RB	Back Face	829	23.70	24.0	1.072	0.211	0.226
	QPSK 10MHz 50%RB	Front Face	829	23.70	24.0	1.072	0.156	0.167
	QPSK 10MHz 50%RB	Left Side	829	23.70	24.0	1.072	0.167	0.179
	QPSK 10MHz 50%RB	Bottom Side	829	23.70	24.0	1.072	0.109	0.117

LTE Band 7–Body SAR Test (Gap: 10mm)								
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					
43.	QPSK 20MHz 1RB	Back Face	2535	23.20	23.5	1.072	0.361	0.387
	QPSK 20MHz 1RB	Front Face	2535	23.20	23.5	1.072	0.31	0.332
	QPSK 20MHz 1RB	Left Side	2535	23.20	23.5	1.072	0.178	0.191
	QPSK 20MHz 1RB	Bottom Side	2535	23.20	23.5	1.072	0.31	0.332
	QPSK 20MHz 50%RB	Back Face	2535	23.20	23.5	1.072	0.333	0.357
	QPSK 20MHz 50%RB	Front Face	2535	23.20	23.5	1.072	0.272	0.291
	QPSK 20MHz 50%RB	Left Side	2535	23.20	23.5	1.072	0.160	0.171
	QPSK 20MHz 50%RB	Bottom Side	2535	23.20	23.5	1.072	0.280	0.300

LTE Band 12–Body SAR Test (Gap: 10mm)								
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					
44.	QPSK 10MHz 1RB	Back Face	704	23.65	24.0	1.084	0.146	0.158
	QPSK 10MHz 1RB	Front Face	704	23.65	24.0	1.084	0.137	0.148
	QPSK 10MHz 1RB	Left Side	704	23.65	24.0	1.084	0.042	0.046
	QPSK 10MHz 1RB	Bottom Side	704	23.65	24.0	1.084	0.067	0.073
	QPSK 10MHz 50%RB	Back Face	704	23.65	24.0	1.084	0.130	0.141
	QPSK 10MHz 50%RB	Front Face	704	23.65	24.0	1.084	0.124	0.134
	QPSK 10MHz 50%RB	Left Side	704	23.65	24.0	1.084	0.037	0.040
	QPSK 10MHz 50%RB	Bottom Side	704	23.65	24.0	1.084	0.061	0.066

LTE Band 17–Body SAR Test (Gap: 10mm)								
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					
45.	QPSK 10MHz 1RB	Back Face	709	23.59	24.0	1.099	0.145	0.159
	QPSK 10MHz 1RB	Front Face	709	23.59	24.0	1.099	0.134	0.147
	QPSK 10MHz 1RB	Left Side	709	23.59	24.0	1.099	0.042	0.046
	QPSK 10MHz 1RB	Bottom Side	709	23.59	24.0	1.099	0.066	0.073
	QPSK 10MHz 50%RB	Back Face	709	23.59	24.0	1.099	0.106	0.116
	QPSK 10MHz 50%RB	Front Face	709	23.59	24.0	1.099	0.096	0.106
	QPSK 10MHz 50%RB	Left Side	709	23.59	24.0	1.099	0.031	0.034
	QPSK 10MHz 50%RB	Bottom Side	709	23.59	24.0	1.099	0.053	0.058

LTE Band 38–Body SAR Test (Gap: 10mm)								
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					
46.	QPSK 20MHz 1RB	Back Face	2610	24.03	24.5	1.114	0.159	0.177
	QPSK 20MHz 1RB	Front Face	2610	24.03	24.5	1.114	0.114	0.127
	QPSK 20MHz 1RB	Left Side	2610	24.03	24.5	1.114	0.065	0.072
	QPSK 20MHz 1RB	Bottom Side	2610	24.03	24.5	1.114	0.143	0.159
	QPSK 20MHz 50%RB	Back Face	2610	24.03	24.5	1.114	0.132	0.147
	QPSK 20MHz 50%RB	Front Face	2610	24.03	24.5	1.114	0.095	0.106
	QPSK 20MHz 50%RB	Left Side	2610	24.03	24.5	1.114	0.054	0.060
	QPSK 20MHz 50%RB	Bottom Side	2610	24.03	24.5	1.114	0.120	0.134

LTE Band 40(2305-2315)–Body SAR Test (Gap: 10mm)								
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					
47.	QPSK 10MHz 1RB	Back Face	2307.5	23.86	24.0	1.033	0.250	0.258
	QPSK 10MHz 1RB	Front Face	2307.5	23.86	24.0	1.033	0.170	0.176
	QPSK 10MHz 1RB	Left Side	2307.5	23.86	24.0	1.033	0.182	0.188
	QPSK 10MHz 1RB	Bottom Side	2307.5	23.86	24.0	1.033	0.171	0.177
	QPSK 10MHz 50%RB	Back Face	2307.5	23.86	24.0	1.033	0.198	0.204
	QPSK 10MHz 50%RB	Front Face	2307.5	23.86	24.0	1.033	0.131	0.135
	QPSK 10MHz 50%RB	Left Side	2307.5	23.86	24.0	1.033	0.143	0.148
	QPSK 10MHz 50%RB	Bottom Side	2307.5	23.86	24.0	1.033	0.136	0.140

LTE Band 40(2350-2360)–Body SAR Test (Gap: 10mm)								
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					
48.	QPSK 10MHz 1RB	Back Face	2352.5	23.95	24.0	1.012	0.239	0.242
	QPSK 10MHz 1RB	Front Face	2352.5	23.95	24.0	1.012	0.142	0.144
	QPSK 10MHz 1RB	Left Side	2352.5	23.95	24.0	1.012	0.159	0.161
	QPSK 10MHz 1RB	Bottom Side	2352.5	23.95	24.0	1.012	0.166	0.168
	QPSK 10MHz 50%RB	Back Face	2352.5	23.95	24.0	1.012	0.186	0.188
	QPSK 10MHz 50%RB	Front Face	2352.5	23.95	24.0	1.012	0.11	0.111
	QPSK 10MHz 50%RB	Left Side	2352.5	23.95	24.0	1.012	0.127	0.128
	QPSK 10MHz 50%RB	Bottom Side	2352.5	23.95	24.0	1.012	0.13	0.132

LTE Band 41–Body SAR Test (Gap: 10mm)								
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					
49.	QPSK 20MHz 1RB	Back Face	2605	23.35	23.5	1.035	0.281	0.291
	QPSK 20MHz 1RB	Front Face	2605	23.35	23.5	1.035	0.164	0.170
	QPSK 20MHz 1RB	Left Side	2605	23.35	23.5	1.035	0.096	0.099
	QPSK 20MHz 1RB	Bottom Side	2605	23.35	23.5	1.035	0.214	0.222
	QPSK 20MHz 50%RB	Back Face	2605	23.35	23.5	1.035	0.242	0.251
	QPSK 20MHz 50%RB	Front Face	2605	23.35	23.5	1.035	0.136	0.141
	QPSK 20MHz 50%RB	Left Side	2605	23.35	23.5	1.035	0.081	0.084
	QPSK 20MHz 50%RB	Bottom Side	2605	23.35	23.5	1.035	0.183	0.189

WLAN 2.4GHz –Body SAR Test (Gap: 10mm)									
Plot No.	Mode	Test Position Body	Frequency		Output Power (dBm)	Rated Limit (dBm)	Scaling Factor	SAR1g (W/kg)	Scaled SAR1g (W/kg)
			CH.	MHz					
50.	802.11b	Back Face	01	2412	17.01	17.5	1.119	0.171	0.191
	802.11b	Front Face	01	2412	17.01	17.5	1.119	0.088	0.099
.	802.11b	Right Side	01	2412	17.01	17.5	1.119	0.105	0.118
	802.11b	Top Side	01	2412	17.01	17.5	1.119	0.092	0.103

Remark: Per KDB 447498 D01 v06, if the highest output channel SAR for each exposure position ≤ 0.8 W/kg other channels SAR tests are not necessary.

9.3 Simultaneous Multi-band Transmission SAR Analysis

List of Mode for Simultaneous Multi-band Transmission

No.	Configurations	Head SAR	Body SAR
1	GSM(Voice/Data) + WLAN(2.4G)(Data)	Yes	Yes
2	WCDMA (Voice/Data)+ (2.4G)(Data)	Yes	Yes
3	LTE(Data) + (2.4G)(Data)	Yes	Yes
4	GSM(Voice/Data) + Bluetooth(Data)	Yes	Yes
5	WCDMA (Voice/Data) + Bluetooth(Data)	Yes	Yes
6	LTE(Data) + Bluetooth(Data)	Yes	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:

$$(\text{max. power of channel, including tune-up tolerance, mW})/(\text{min. test separation distance, mm}) \cdot [\sqrt{f(\text{GHz})}/x] \text{ W/kg}$$
for test separation distances $\leq 50 \text{ mm}$;

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
9.0	7.94	5/10	2.440	7.5	0.331	0.165

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

Head SAR**WWAN and WLAN**

	WWAN		WLAN(2.4G)	Summed SAR (W/kg)
Position	Band	Scaled SAR (W/kg)	Scaled SAR (W/kg)	
Right Cheek	WCDMA Band 4	0.274	0.120	0.394
Right Tilted	WCDMA Band 4	0.216	0.109	0.325
Left Cheek	WCDMA Band 4	0.654	0.229	0.883
Left Tilted	WCDMA Band 4	0.571	0.132	0.703

WWAN and Bluetooth

	WWAN		Bluetooth	Summed SAR (W/kg)
Position	Band	Scaled SAR (W/kg)	Scaled SAR (W/kg)	
Right Cheek	WCDMA Band 4	0.274	0.331	0.605
Right Tilted	WCDMA Band 4	0.216	0.331	0.547
Left Cheek	WCDMA Band 4	0.654	0.331	0.985
Left Tilted	WCDMA Band 4	0.571	0.331	0.902

Body-worn SAR**WWAN and WLAN**

	WWAN		WLAN(2.4G)	Summed SAR (W/kg)
Position	Band	Scaled SAR (W/kg)	Scaled SAR (W/kg)	
Back	WCDMA Band 2	0.502	0.191	0.693
Front	WCDMA Band 4	0.538	0.099	0.637

WWAN and Bluetooth

	WWAN		Bluetooth	Summed SAR (W/kg)
Position	Band	Scaled SAR (W/kg)	Scaled SAR (W/kg)	
Back	WCDMA Band 2	0.502	0.165	0.667
Front	WCDMA Band 4	0.538	0.165	0.703

Hotspot SAR**WWAN and WLAN**

	WWAN		WLAN(2.4G)	Summed SAR (W/kg)
Position	Band	Scaled SAR (W/kg)	Scaled SAR (W/kg)	
Back	WCDMA Band 2	0.502	0.191	0.693
Front	WCDMA Band 4	0.538	0.099	0.637
Right side	-	-	0.118	0.118
Left side	WCDMA Band 4	0.589	-	0.589
Bottom side	WCDMA Band 2	0.750	-	0.750
Top side	-	-	0.103	0.103

WWAN and Bluetooth

	WWAN		Bluetooth	Summed SAR (W/kg)
Position	Band	Scaled SAR (W/kg)	Scaled SAR (W/kg)	
Back	WCDMA Band 2	0.502	0.165	0.667
Front	WCDMA Band 4	0.538	0.165	0.703
Right side	-	-	0.165	0.165
Left side	WCDMA Band 4	0.589	0.165	0.754
Bottom side	WCDMA Band 2	0.750	0.165	0.915
Top side	-	-	0.165	0.165

10. Measurement Uncertainty

10.1 Uncertainty for EUT 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	$\sqrt{3}$	$(1_{-Cp})^{1/2}$	$(1_{-Cp})^{1/2}$	1.02	1.02	∞
Hemispherical Isotropy	E.2.2	4.0	R	$\sqrt{3}$	$(Cp)^{1/2}$	$(Cp)^{1/2}$	1.63	1.63	∞
Boundary effect	E.2.3	1.0	R	$\sqrt{3}$	1	1	0.58	0.58	∞
Linearity	E.2.4	5.0	R	$\sqrt{3}$	1	1	2.89	2.89	∞
System detection limits	E.2.5	1.0	R	$\sqrt{3}$	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	$\sqrt{3}$	1	1	1.73	1.73	∞
Integration Time	E.2.8	2.0	R	$\sqrt{3}$	1	1	1.15	1.15	∞
RF ambient Conditions – Noise	E.6.1	3.0	R	$\sqrt{3}$	1	1	1.73	1.73	∞
RF ambient Conditions - Reflections	E.6.1	3.0	R	$\sqrt{3}$	1	1	1.73	1.73	∞
Probe positioner Mechanical Tolerance	E.6.2	2.0	R	$\sqrt{3}$	1	1	1.15	1.15	∞
Probe positioning with respect to Phantom Shell	E.6.3	0.05	R	$\sqrt{3}$	1	1	0.03	0.03	∞
Extrapolation, interpolation and integration Algorithms for Max. SAR Evaluation	E.5	5.0	R	$\sqrt{3}$	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	$\sqrt{3}$	1	1	6.94	6.94	∞
SAR scaling	E6.5	0.0	R	$\sqrt{3}$	1	1	0.0	0.0	∞
Phantom and Tissue Parameters									
Phantom Uncertainty (Shape and thickness tolerances)	E.3.1	0.05	R	$\sqrt{3}$	1	1	0.03	0.03	∞
Uncertainty in SAR correction for deviations in permittivity and conductivity	E3.2	1.9	R	$\sqrt{3}$	1	0.84	1.10	0.90	∞

Liquid conductivity - deviation from target value	E.3.2	5.00	R	$\sqrt{3}$	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	$\sqrt{3}$	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				12.98	12.53	
Expanded Uncertainty (95% Confidence interval)			K=2				25.32	24.43	

10.2 Uncertainty for System Performance Check

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	$\sqrt{3}$	$(1_Cp)^{1/2}$	$(1_Cp)^{1/2}$	1.02	1.02	∞
Hemispherical Isotropy	E.2.2	4.0	R	$\sqrt{3}$	$(Cp)^{1/2}$	$(Cp)^{1/2}$	1.63	1.63	∞
Boundary effect	E.2.3	1.0	R	$\sqrt{3}$	1	1	0.58	0.58	∞
Linearity	E.2.4	5.0	R	$\sqrt{3}$	1	1	2.89	2.89	∞
System detection limits	E.2.5	1.0	R	$\sqrt{3}$	1	1	0.58	0.58	∞
Modulation response	E.2.5	0	R	$\sqrt{3}$	0	0	0.0	0.0	∞
Readout Electronics	E.2.6	0.02	N	1	1	1	0.02	0.02	∞
Reponse Time	E.2.7	3.0	R	$\sqrt{3}$	1	1	1.73	1.73	∞
Integration Time	E.2.8	2.0	R	$\sqrt{3}$	1	1	1.15	1.15	∞
RF ambient Conditions – Noise	E.6.1	3.0	R	$\sqrt{3}$	1	1	1.73	1.73	∞
RF ambient Conditions - Reflections	E.6.1	3.0	R	$\sqrt{3}$	1	1	1.73	1.73	∞
Probe positioner Mechanical Tolerance	E.6.2	2.0	R	$\sqrt{3}$	1	1	1.15	1.15	∞
Probe positioning with respect to Phantom Shell	E.6.3	0.05	R	$\sqrt{3}$	1	1	0.03	0.03	∞
Extrapolation, interpolation and	E.5.2	5.0	R	$\sqrt{3}$	1	1	2.89	2.89	∞

integration Algorithms for Max. SAR Evaluation									
Dipole									
Dipole axis to liquid Distance	8,E.4.2	1.00	N	$\sqrt{3}$	1	1	0.58	0.58	N-1
Input power and SAR drift measurement	8,6.6.2	12.02	R	$\sqrt{3}$	1	1	6.94	6.94	∞
Deviation of experimental dipole from numerical dipole	E.6.4	5.5	R	$\sqrt{3}$	1	1	3.20	3.20	∞
Phantom and Tissue Parameters									
Phantom Uncertainty (Shape and thickness tolerances)	E.3.1	0.05	R	$\sqrt{3}$	1	1	0.03	0.03	∞
Uncertainty in SAR correction for deviations in permittivity and conductivity	E3.2	2.0	R	$\sqrt{3}$	1	0.84	1.10	1.10	∞
Liquid conductivity - deviation from target value	E.3.2	5.00	R	$\sqrt{3}$	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	$\sqrt{3}$	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	M
Combined Standard Uncertainty			RSS				12.00	11.50	
Expanded Uncertainty (95% Confidence interval)			K=2				23.39	22.43	

Annex A. Plots of System Performance Check

MEASUREMENT 1

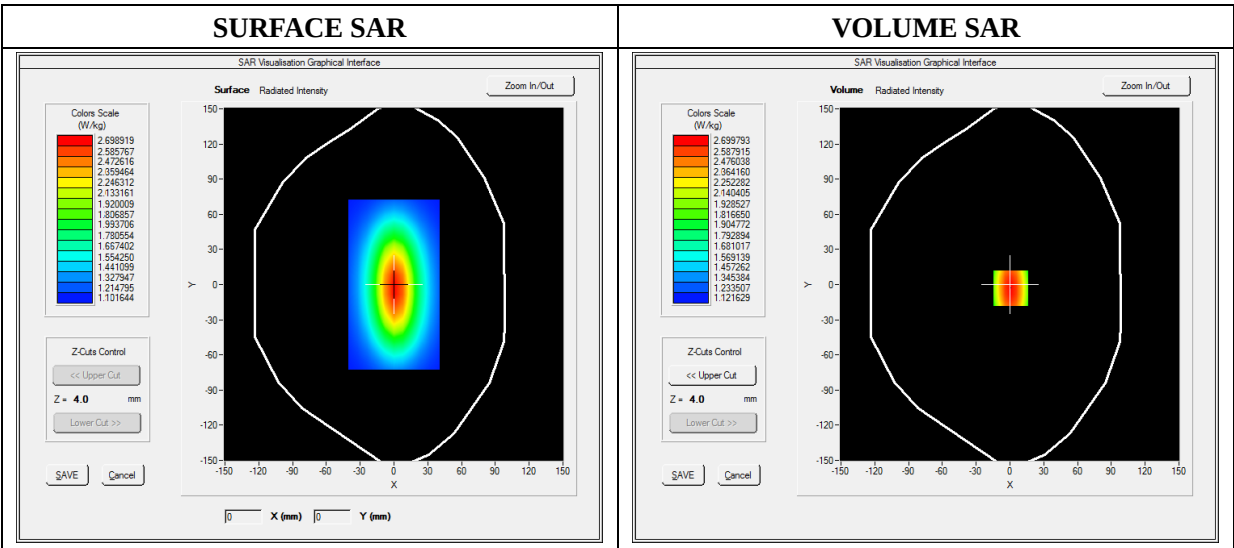
Type: Validation measurement (Fast, 75.00 %)
Measurement duration: 7 minutes 21 seconds
E-field Probe: SSE2 - SN 45/15 EPGO280; ConvF: Refer to the Calibration Certificate; Calibrated: 2020-07.03

A. Experimental conditions

Area Scan	dx=8mm dy=8mm
Phantom	Validation plane
Device Position	Dipole
Band	CW750
Signal	Duty Cycle 1:1

B. SAR Measurement Results

Frequency (MHz)	750.000000
Relative Permittivity (real part)	41.320574
Conductivity (S/m)	0.862373
Power Variation (%)	0.038363
Ambient Temperature	21.1
Liquid Temperature	21.3

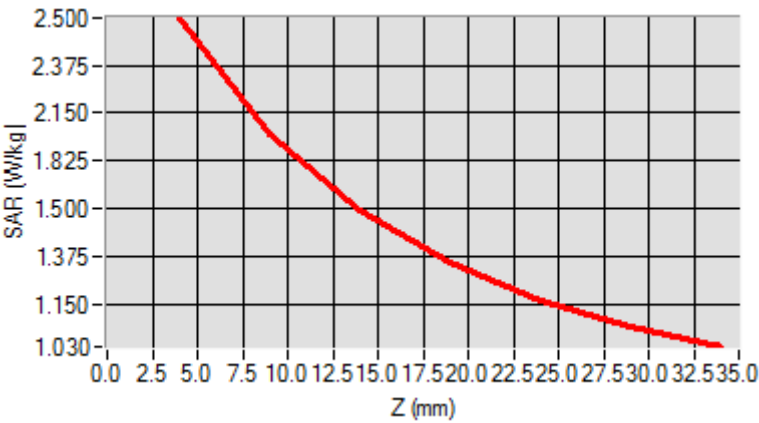


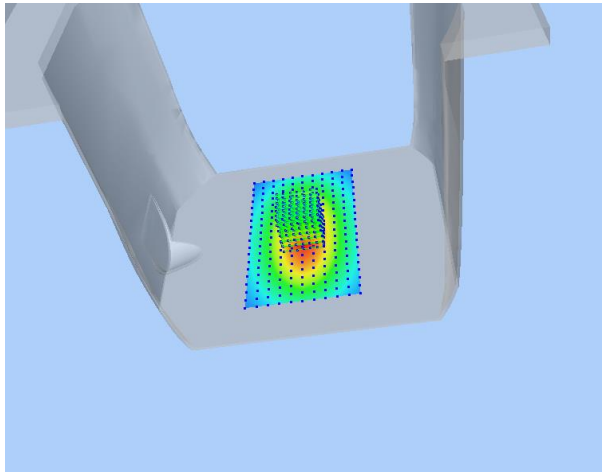
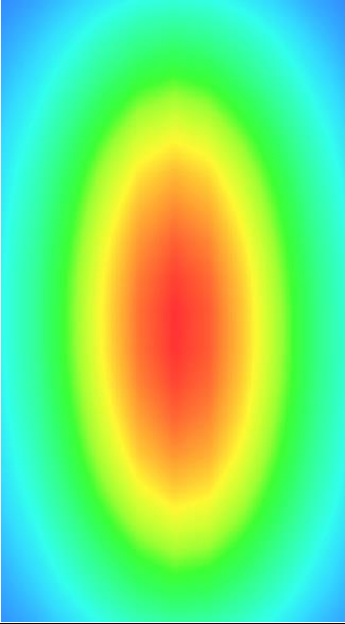
Maximum location: X=0.00, Y=0.00

SAR 10g (W/Kg)	1.042744
SAR 1g (W/Kg)	2.164534

Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.0000	2.3634	1.8023	1.4523	1.2514	1.1005	1.0245



3D screen shot	Hot spot position
	

MEASUREMENT 2

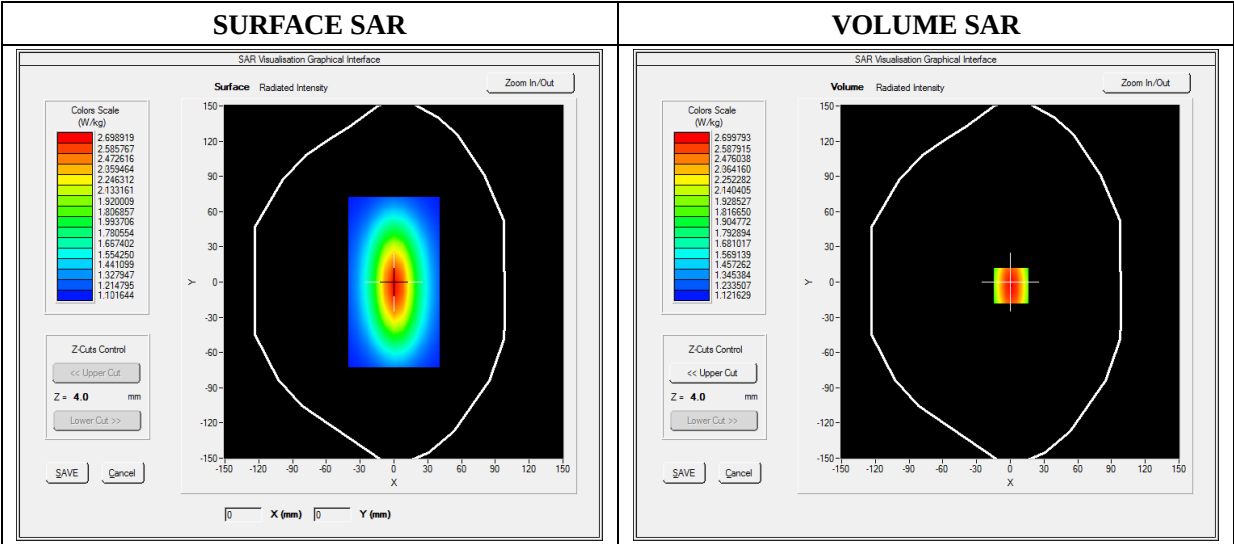
Type: Validation measurement (Fast, 75.00 %)
Measurement duration: 7 minutes 21 seconds
E-field Probe: SSE2 - SN 45/15 EPGO280; ConvF: Refer to the Calibration Certificate; Calibrated: 2020-07.03

A. Experimental conditions

Area Scan	dx=8mm dy=8mm
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)	41.110245
Conductivity (S/m)	0.871245
Power Variation (%)	0.038437
Ambient Temperature	21.1
Liquid Temperature	21.3

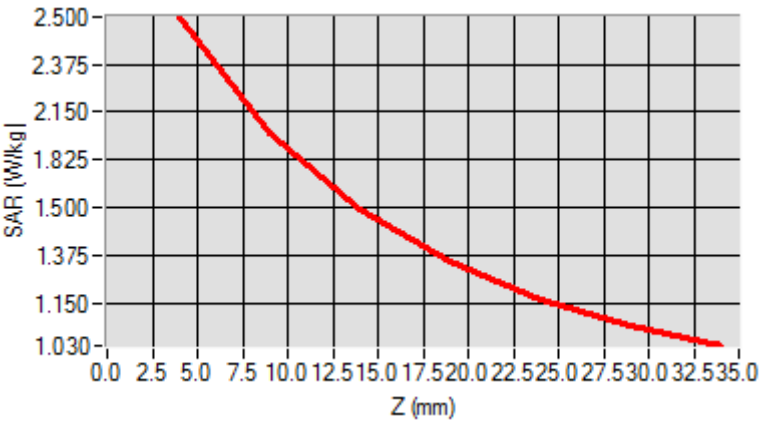


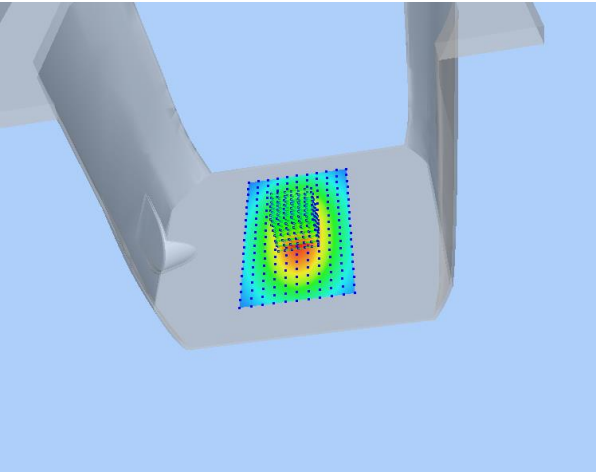
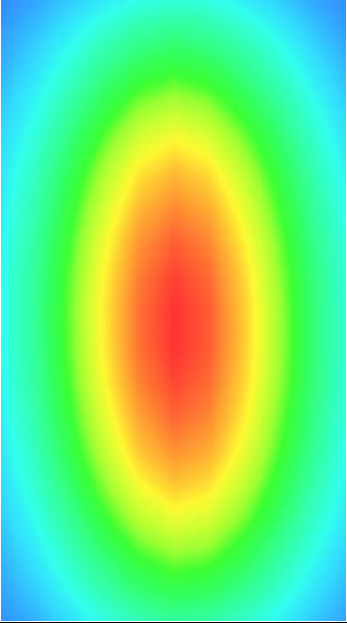
Maximum location: X=0.00, Y=0.00

SAR 10g (W/Kg)	1.519489
SAR 1g (W/Kg)	2.411253

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 3

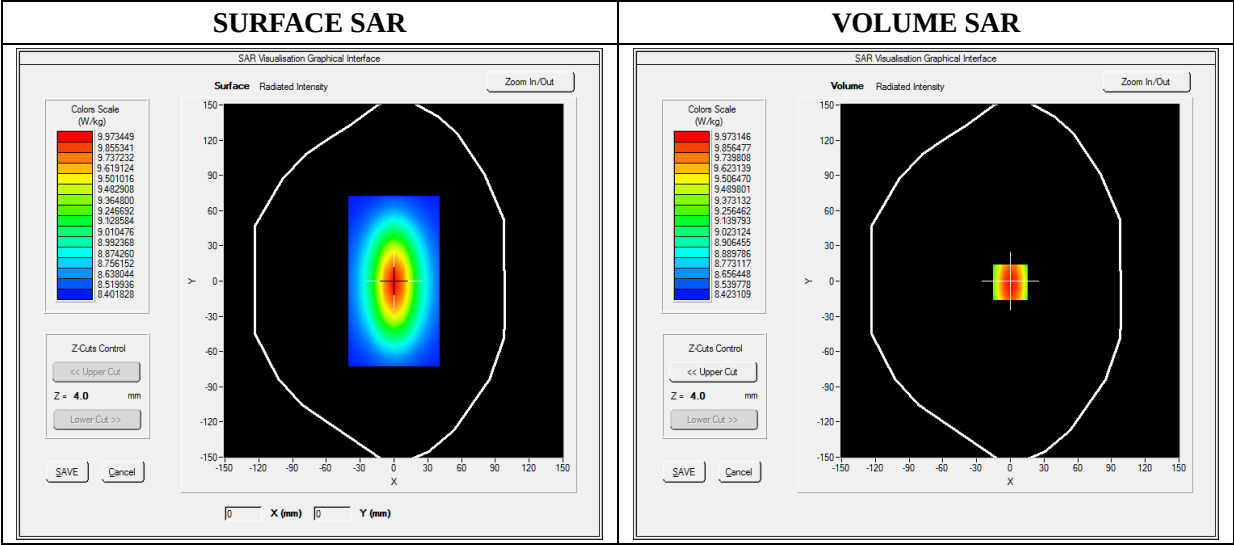
Type: Validation measurement (Fast, 75.00 %)
Measurement duration: 12 minutes 21 seconds
E-field Probe: SSE2 - SN 45/15 EPGO280; ConvF: Refer to the Calibration Certificate; Calibrated: 2020-07.03

A. Experimental conditions

Area Scan	dx=8mm dy=8mm
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)	39.024890
Conductivity (S/m)	1.371250
Power Variation (%)	1.401232
Ambient Temperature	21.1
Liquid Temperature	21.2

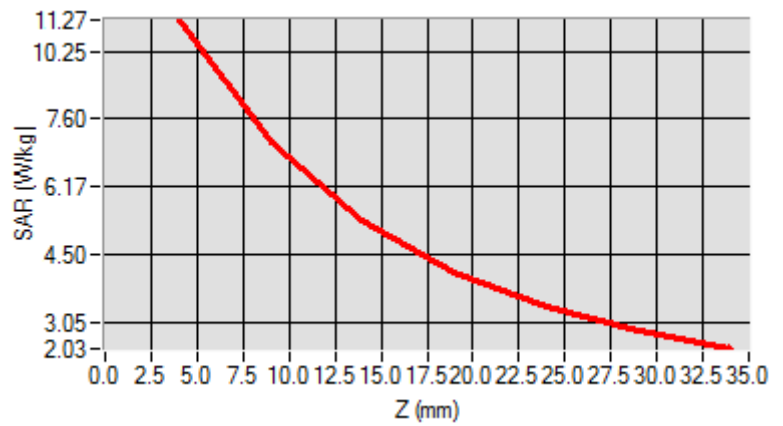


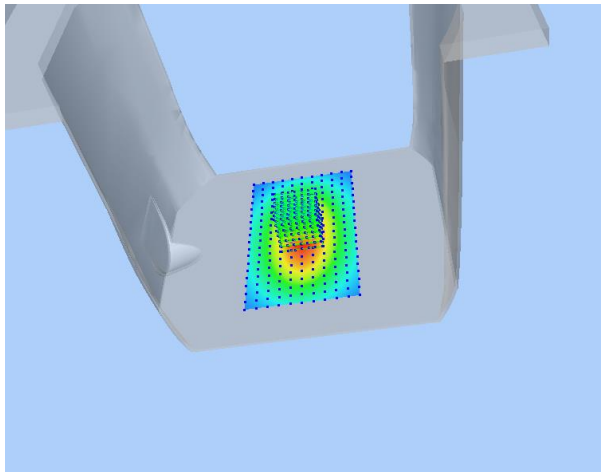
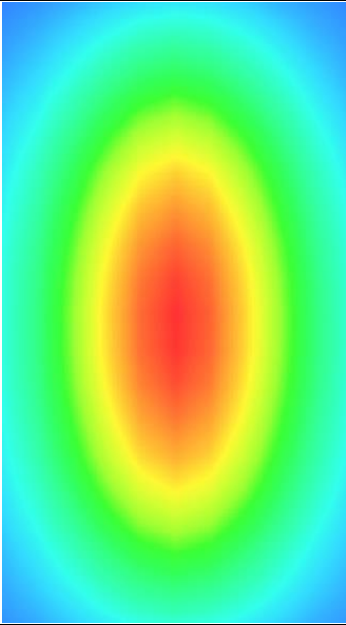
Maximum location: X=0.00, Y=0.00

SAR 10g (W/Kg)	5.171252
SAR 1g (W/Kg)	9.611250

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

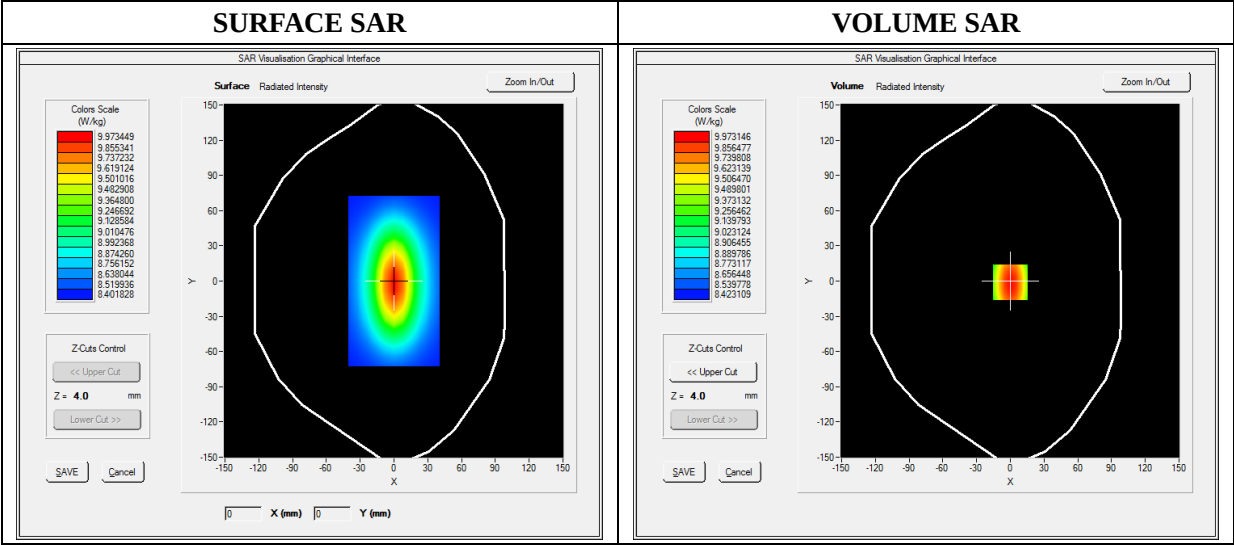
Type: Validation measurement (Fast, 75.00 %)
Measurement duration: 12 minutes 21 seconds
E-field Probe: SSE2 - SN 45/15 EPGO280; ConvF: Refer to the Calibration Certificate; Calibrated: 2020-07.03

A. Experimental conditions

Area Scan	dx=8mm dy=8mm
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)	38.560124
Conductivity (S/m)	1.380369
Power Variation (%)	1.022540
Ambient Temperature	21.1
Liquid Temperature	21.3

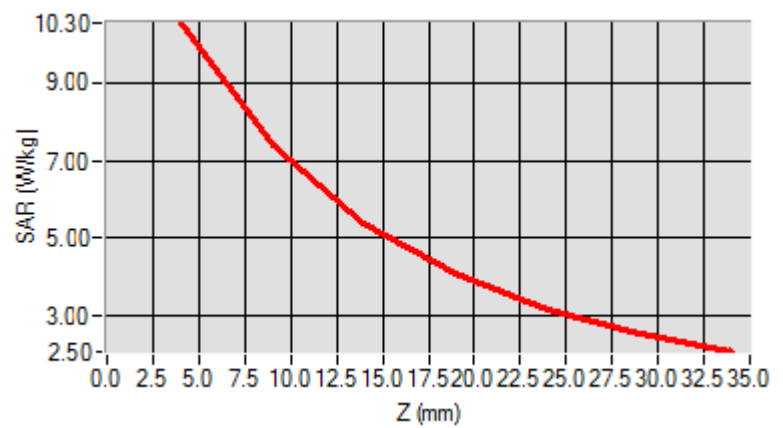


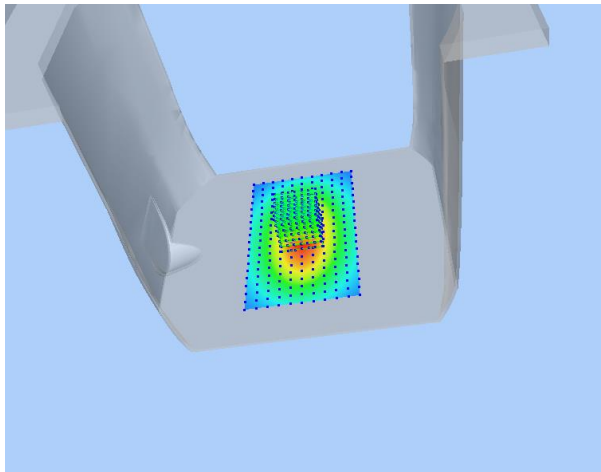
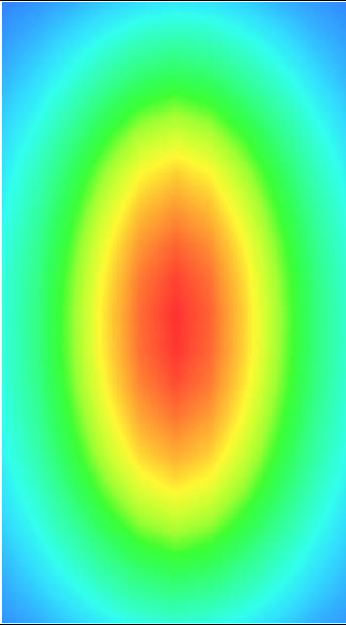
Maximum location: X=0.00, Y=0.00

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

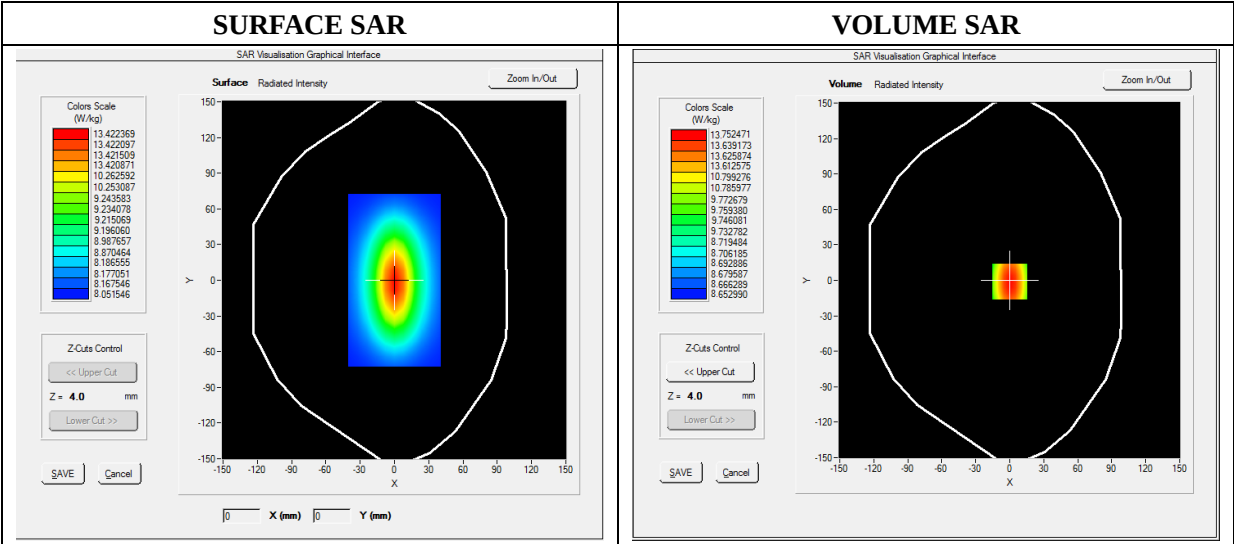
Type: Validation measurement (Fast, 75.00 %)
Measurement duration: 12 minutes 21 seconds
E-field Probe: SSE2 - SN 45/15 EPGO280; ConvF: Refer to the Calibration Certificate; Calibrated: 2020-07.03

A. Experimental conditions

Area Scan	dx=8mm dy=8mm
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)	38.153660
Conductivity (S/m)	1.740236
Power Variation (%)	1.141452
Ambient Temperature	21.1
Liquid Temperature	21.2

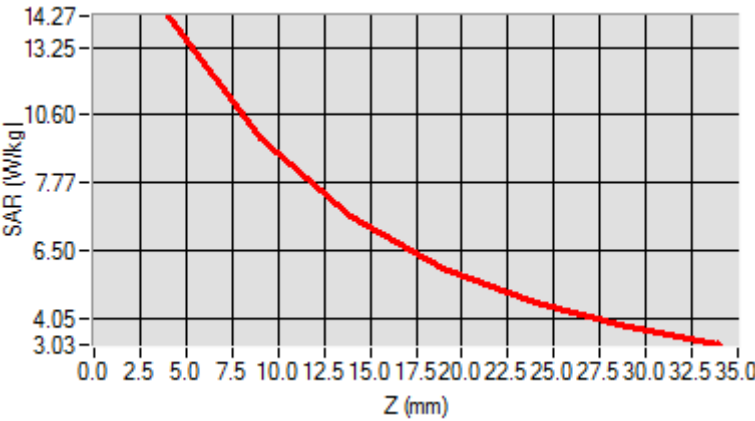


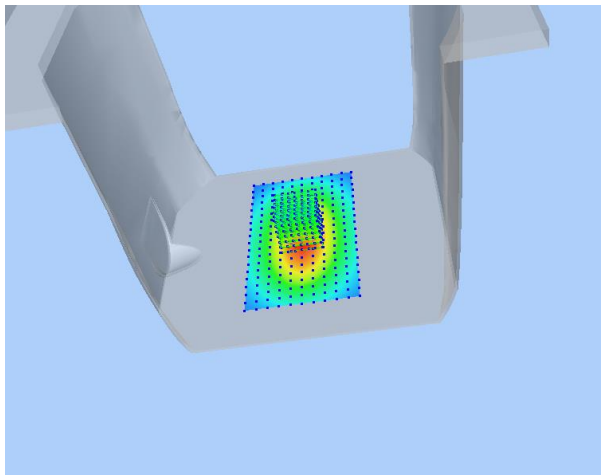
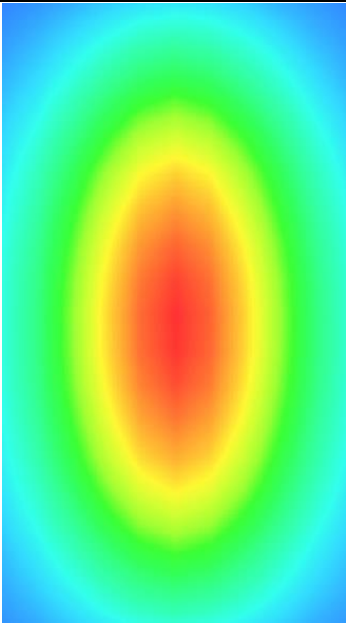
Maximum location: X=0.00, Y=0.00

SAR 10g (W/Kg)	8.020427
SAR 1g (W/Kg)	13.452457

Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.0000	14.1034	12.0012	10.2624	7.4715	5.9022	4.5114



3D screen shot	Hot spot position
	

MEASUREMENT 6

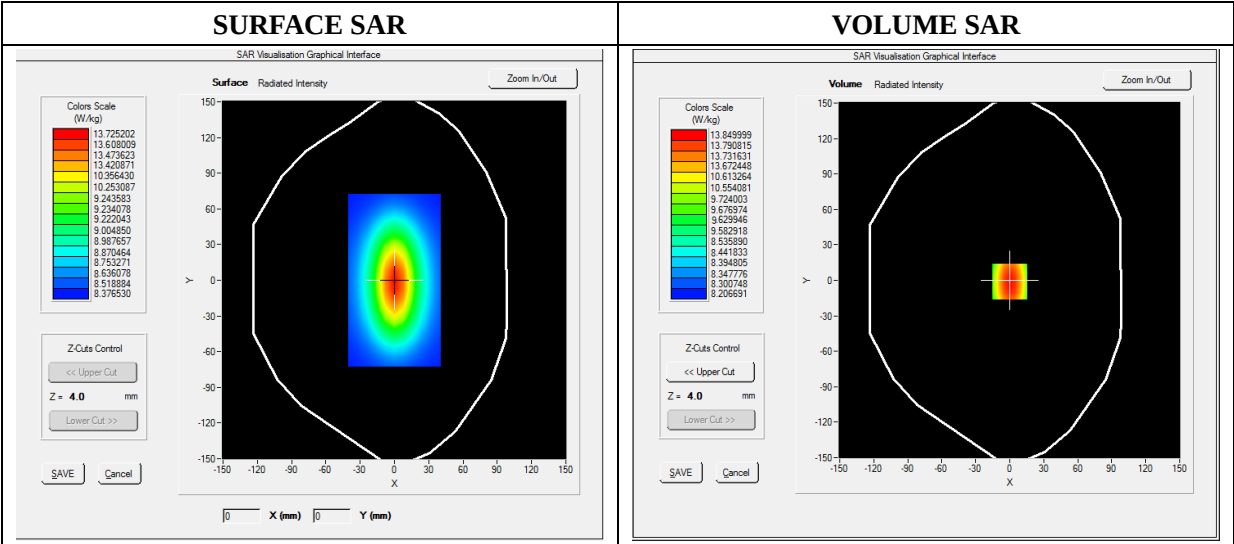
Type: Validation measurement (Fast, 75.00 %)
Measurement duration: 12 minutes 21 seconds
E-field Probe: SSE2 - SN 45/15 EPGO280; ConvF: Refer to the Calibration Certificate; Calibrated: 2020-07.03

A. Experimental conditions

Area Scan	dx=8mm dy=8mm
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)	38.631092
Conductivity (S/m)	1.930182
Power Variation (%)	1.028221
Ambient Temperature	21.1
Liquid Temperature	21.2

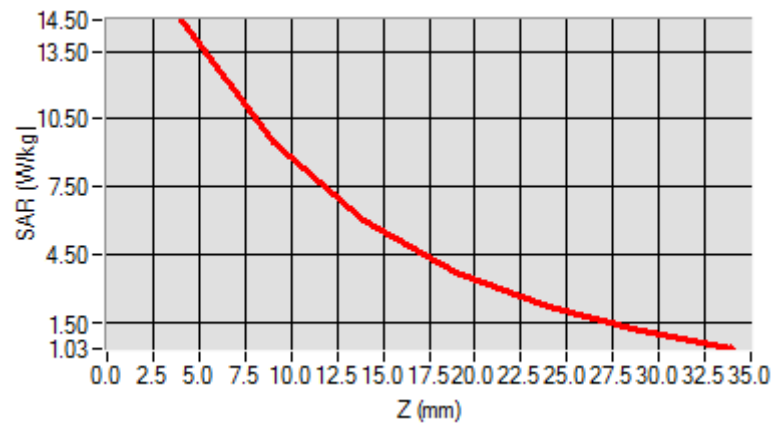


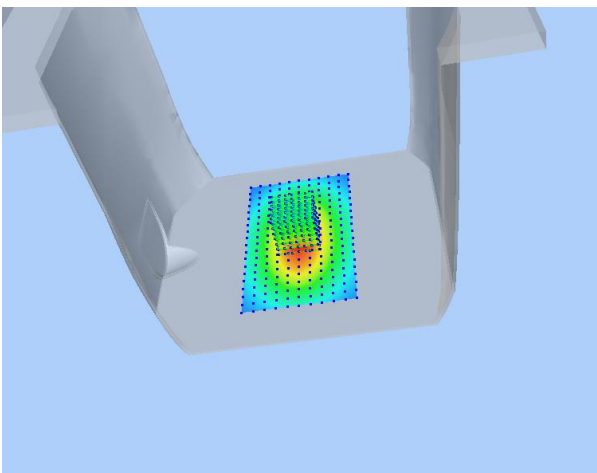
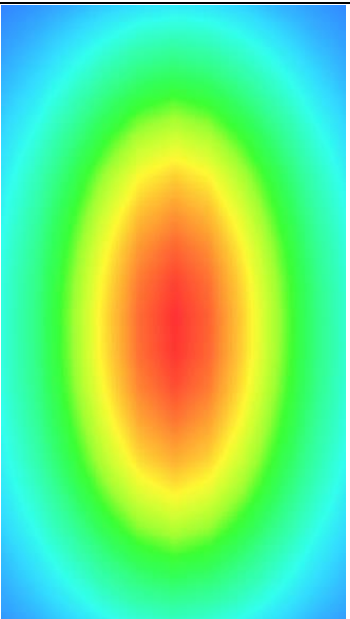
Maximum location: X=0.00, Y=0.00

SAR 10g (W/Kg)	8.270822
SAR 1g (W/Kg)	13.670282

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
	

Annex B. Plots of SAR Measurement

MEASUREMENT 1

Type: Phone measurement (Complete)

Date of measurement: 2021-08-23

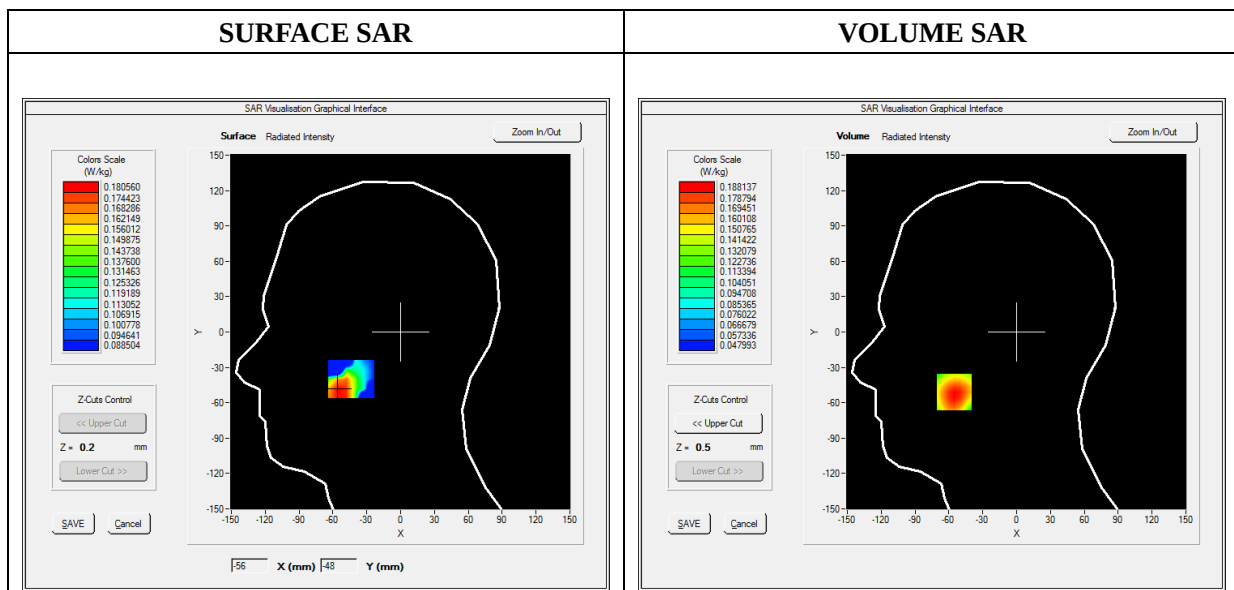
Measurement duration: 11 minutes 48 seconds

A. Experimental conditions

Area Scan	sam_direct_droit2_surf8mm.txt
Phantom	Right Head
Device Position	Cheek
Band	GSM850
Channels	Low
Signal	TDMA (Crest factor: 8.0)

B. SAR Measurement Results

Frequency (MHz)	824.20000
Relative Permittivity (real part)	41.110245
Conductivity (S/m)	0.871245
Power Variation (%)	1.144536
Ambient Temperature	21.1
Liquid Temperature	21.3



Maximum location: X=-55.00, Y=-51.00

SAR Peak: 0.20 W/kg

SAR 10g (W/Kg)	0.151096
SAR 1g (W/Kg)	0.184986

Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	0.1898	0.1881	0.1766	0.1553	0.1275

Z (mm)	SAR (W/kg)
0	0.1898
4	0.1881
9	0.1766
14	0.1553
19	0.1275

3D screen shot	Hot spot position