

Band4	20	20175	1	#Mid	QPSK	23.74	-0.2	23.54	PASS
Band4	20	20175	1	#Max	QPSK	23.35	-0.2	23.15	PASS
Band4	20	20175	50	#0	QPSK	22.60	-0.2	22.40	PASS
Band4	20	20175	50	#Mid	QPSK	22.61	-0.2	22.41	PASS
Band4	20	20175	50	#Max	QPSK	22.64	-0.2	22.44	PASS
Band4	20	20175	100	#0	QPSK	22.60	-0.2	22.40	PASS
Band4	20	20175	1	#0	16QAM	22.79	-0.2	22.59	PASS
Band4	20	20175	1	#Mid	16QAM	23.00	-0.2	22.80	PASS
Band4	20	20175	1	#Max	16QAM	22.63	-0.2	22.43	PASS
Band4	20	20175	50	#0	16QAM	21.64	-0.2	21.44	PASS
Band4	20	20175	50	#Mid	16QAM	21.64	-0.2	21.44	PASS
Band4	20	20175	50	#Max	16QAM	21.61	-0.2	21.41	PASS
Band4	20	20175	100	#0	16QAM	21.66	-0.2	21.46	PASS
Band4	20	20300	1	#0	QPSK	23.36	-0.2	23.16	PASS
Band4	20	20300	1	#Mid	QPSK	23.54	-0.2	23.34	PASS
Band4	20	20300	1	#Max	QPSK	23.19	-0.2	22.99	PASS
Band4	20	20300	50	#0	QPSK	22.40	-0.2	22.20	PASS
Band4	20	20300	50	#Mid	QPSK	22.48	-0.2	22.28	PASS
Band4	20	20300	50	#Max	QPSK	22.30	-0.2	22.10	PASS
Band4	20	20300	100	#0	QPSK	22.34	-0.2	22.14	PASS
Band4	20	20300	1	#0	16QAM	22.67	-0.2	22.47	PASS
Band4	20	20300	1	#Mid	16QAM	22.87	-0.2	22.67	PASS
Band4	20	20300	1	#Max	16QAM	22.49	-0.2	22.29	PASS
Band4	20	20300	50	#0	16QAM	21.44	-0.2	21.24	PASS
Band4	20	20300	50	#Mid	16QAM	21.56	-0.2	21.36	PASS
Band4	20	20300	50	#Max	16QAM	21.34	-0.2	21.14	PASS
Band4	20	20300	100	#0	16QAM	21.36	-0.2	21.16	PASS

SHENZHEN

Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Power (dBm)	Gain (dBm)	ERP (dBm)	Verdict
Band5	1.4	20407	1	#0	QPSK	23.58	-4.3	17.13	PASS
Band5	1.4	20407	1	#Mid	QPSK	23.81	-4.3	17.36	PASS
Band5	1.4	20407	1	#Max	QPSK	23.62	-4.3	17.17	PASS
Band5	1.4	20407	3	#0	QPSK	23.75	-4.3	17.30	PASS
Band5	1.4	20407	3	#Mid	QPSK	23.72	-4.3	17.27	PASS
Band5	1.4	20407	3	#Max	QPSK	23.71	-4.3	17.26	PASS
Band5	1.4	20407	6	#0	QPSK	22.71	-4.3	16.26	PASS
Band5	1.4	20407	1	#0	16QAM	22.87	-4.3	16.42	PASS
Band5	1.4	20407	1	#Mid	16QAM	22.99	-4.3	16.54	PASS
Band5	1.4	20407	1	#Max	16QAM	22.92	-4.3	16.47	PASS
Band5	1.4	20407	3	#0	16QAM	23.01	-4.3	16.56	PASS
Band5	1.4	20407	3	#Mid	16QAM	23.01	-4.3	16.56	PASS
Band5	1.4	20407	3	#Max	16QAM	23.02	-4.3	16.57	PASS
Band5	1.4	20407	6	#0	16QAM	21.90	-4.3	15.45	PASS
Band5	1.4	20525	1	#0	QPSK	23.76	-4.3	17.31	PASS
Band5	1.4	20525	1	#Mid	QPSK	23.95	-4.3	17.50	PASS
Band5	1.4	20525	1	#Max	QPSK	23.79	-4.3	17.34	PASS
Band5	1.4	20525	3	#0	QPSK	23.82	-4.3	17.37	PASS
Band5	1.4	20525	3	#Mid	QPSK	23.82	-4.3	17.37	PASS
Band5	1.4	20525	3	#Max	QPSK	23.81	-4.3	17.36	PASS
Band5	1.4	20525	6	#0	QPSK	22.85	-4.3	16.40	PASS
Band5	1.4	20525	1	#0	16QAM	22.68	-4.3	16.23	PASS
Band5	1.4	20525	1	#Mid	16QAM	22.82	-4.3	16.37	PASS
Band5	1.4	20525	1	#Max	16QAM	22.69	-4.3	16.24	PASS
Band5	1.4	20525	3	#0	16QAM	23.01	-4.3	16.56	PASS
Band5	1.4	20525	3	#Mid	16QAM	22.99	-4.3	16.54	PASS
Band5	1.4	20525	3	#Max	16QAM	23.04	-4.3	16.59	PASS
Band5	1.4	20525	6	#0	16QAM	22.04	-4.3	15.59	PASS
Band5	1.4	20643	1	#0	QPSK	23.76	-4.3	17.31	PASS
Band5	1.4	20643	1	#Mid	QPSK	23.92	-4.3	17.47	PASS
Band5	1.4	20643	1	#Max	QPSK	23.76	-4.3	17.31	PASS
Band5	1.4	20643	3	#0	QPSK	23.79	-4.3	17.34	PASS
Band5	1.4	20643	3	#Mid	QPSK	23.78	-4.3	17.33	PASS
Band5	1.4	20643	3	#Max	QPSK	23.83	-4.3	17.38	PASS
Band5	1.4	20643	6	#0	QPSK	22.78	-4.3	16.33	PASS
Band5	1.4	20643	1	#0	16QAM	22.84	-4.3	16.39	PASS
Band5	1.4	20643	1	#Mid	16QAM	22.98	-4.3	16.53	PASS
Band5	1.4	20643	1	#Max	16QAM	22.84	-4.3	16.39	PASS
Band5	1.4	20643	3	#0	16QAM	22.90	-4.3	16.45	PASS
Band5	1.4	20643	3	#Mid	16QAM	22.85	-4.3	16.40	PASS
Band5	1.4	20643	3	#Max	16QAM	22.94	-4.3	16.49	PASS
Band5	1.4	20643	6	#0	16QAM	22.01	-4.3	15.56	PASS
Band5	3	20415	1	#0	QPSK	23.63	-4.3	17.18	PASS
Band5	3	20415	1	#Mid	QPSK	23.91	-4.3	17.46	PASS
Band5	3	20415	1	#Max	QPSK	23.62	-4.3	17.17	PASS
Band5	3	20415	8	#0	QPSK	22.67	-4.3	16.22	PASS
Band5	3	20415	8	#Mid	QPSK	22.65	-4.3	16.20	PASS
Band5	3	20415	8	#Max	QPSK	22.71	-4.3	16.26	PASS
Band5	3	20415	15	#0	QPSK	22.63	-4.3	16.18	PASS
Band5	3	20415	1	#0	16QAM	23.10	-4.3	16.65	PASS
Band5	3	20415	1	#Mid	16QAM	23.42	-4.3	16.97	PASS
Band5	3	20415	1	#Max	16QAM	23.15	-4.3	16.70	PASS
Band5	3	20415	8	#0	16QAM	21.69	-4.3	15.24	PASS
Band5	3	20415	8	#Mid	16QAM	21.73	-4.3	15.28	PASS

Band5	3	20415	8	#Max	16QAM	21.73	-4.3	15.28	PASS
Band5	3	20415	15	#0	16QAM	21.70	-4.3	15.25	PASS
Band5	3	20525	1	#0	QPSK	23.73	-4.3	17.28	PASS
Band5	3	20525	1	#Mid	QPSK	23.75	-4.3	17.30	PASS
Band5	3	20525	1	#Max	QPSK	23.74	-4.3	17.29	PASS
Band5	3	20525	8	#0	QPSK	22.79	-4.3	16.34	PASS
Band5	3	20525	8	#Mid	QPSK	22.82	-4.3	16.37	PASS
Band5	3	20525	8	#Max	QPSK	22.79	-4.3	16.34	PASS
Band5	3	20525	15	#0	QPSK	22.78	-4.3	16.33	PASS
Band5	3	20525	1	#0	16QAM	22.99	-4.3	16.54	PASS
Band5	3	20525	1	#Mid	16QAM	23.25	-4.3	16.80	PASS
Band5	3	20525	1	#Max	16QAM	23.00	-4.3	16.55	PASS
Band5	3	20525	8	#0	16QAM	21.81	-4.3	15.36	PASS
Band5	3	20525	8	#Mid	16QAM	21.84	-4.3	15.39	PASS
Band5	3	20525	8	#Max	16QAM	21.78	-4.3	15.33	PASS
Band5	3	20525	15	#0	16QAM	21.74	-4.3	15.29	PASS
Band5	3	20635	1	#0	QPSK	23.83	-4.3	17.38	PASS
Band5	3	20635	1	#Mid	QPSK	24.04	-4.3	17.59	PASS
Band5	3	20635	1	#Max	QPSK	23.78	-4.3	17.33	PASS
Band5	3	20635	8	#0	QPSK	22.77	-4.3	16.32	PASS
Band5	3	20635	8	#Mid	QPSK	22.80	-4.3	16.35	PASS
Band5	3	20635	8	#Max	QPSK	22.67	-4.3	16.22	PASS
Band5	3	20635	15	#0	QPSK	22.72	-4.3	16.27	PASS
Band5	3	20635	1	#0	16QAM	22.66	-4.3	16.21	PASS
Band5	3	20635	1	#Mid	16QAM	22.96	-4.3	16.51	PASS
Band5	3	20635	1	#Max	16QAM	22.59	-4.3	16.14	PASS
Band5	3	20635	8	#0	16QAM	21.81	-4.3	15.36	PASS
Band5	3	20635	8	#Mid	16QAM	21.82	-4.3	15.37	PASS
Band5	3	20635	8	#Max	16QAM	21.75	-4.3	15.30	PASS
Band5	3	20635	15	#0	16QAM	21.85	-4.3	15.40	PASS
Band5	5	20425	1	#0	QPSK	23.57	-4.3	17.12	PASS
Band5	5	20425	1	#Mid	QPSK	23.98	-4.3	17.53	PASS
Band5	5	20425	1	#Max	QPSK	23.56	-4.3	17.11	PASS
Band5	5	20425	12	#0	QPSK	22.66	-4.3	16.21	PASS
Band5	5	20425	12	#Mid	QPSK	22.76	-4.3	16.31	PASS
Band5	5	20425	12	#Max	QPSK	22.76	-4.3	16.31	PASS
Band5	5	20425	25	#0	QPSK	22.71	-4.3	16.26	PASS
Band5	5	20425	1	#0	16QAM	22.97	-4.3	16.52	PASS
Band5	5	20425	1	#Mid	16QAM	23.35	-4.3	16.90	PASS
Band5	5	20425	1	#Max	16QAM	22.98	-4.3	16.53	PASS
Band5	5	20425	12	#0	16QAM	21.63	-4.3	15.18	PASS
Band5	5	20425	12	#Mid	16QAM	21.71	-4.3	15.26	PASS
Band5	5	20425	12	#Max	16QAM	21.69	-4.3	15.24	PASS
Band5	5	20425	25	#0	16QAM	21.76	-4.3	15.31	PASS
Band5	5	20525	1	#0	QPSK	23.56	-4.3	17.11	PASS
Band5	5	20525	1	#Mid	QPSK	23.80	-4.3	17.35	PASS
Band5	5	20525	1	#Max	QPSK	23.61	-4.3	17.16	PASS
Band5	5	20525	12	#0	QPSK	22.78	-4.3	16.33	PASS
Band5	5	20525	12	#Mid	QPSK	22.85	-4.3	16.40	PASS
Band5	5	20525	12	#Max	QPSK	22.77	-4.3	16.32	PASS
Band5	5	20525	25	#0	QPSK	22.82	-4.3	16.37	PASS
Band5	5	20525	1	#0	16QAM	23.02	-4.3	16.57	PASS
Band5	5	20525	1	#Mid	16QAM	23.41	-4.3	16.96	PASS
Band5	5	20525	1	#Max	16QAM	23.04	-4.3	16.59	PASS
Band5	5	20525	12	#0	16QAM	21.82	-4.3	15.37	PASS
Band5	5	20525	12	#Mid	16QAM	21.85	-4.3	15.40	PASS
Band5	5	20525	12	#Max	16QAM	21.79	-4.3	15.34	PASS

Band5	5	20525	25	#0	16QAM	21.81	-4.3	15.36	PASS
Band5	5	20625	1	#0	QPSK	23.70	-4.3	17.25	PASS
Band5	5	20625	1	#Mid	QPSK	24.19	-4.3	17.74	PASS
Band5	5	20625	1	#Max	QPSK	23.64	-4.3	17.19	PASS
Band5	5	20625	12	#0	QPSK	22.69	-4.3	16.24	PASS
Band5	5	20625	12	#Mid	QPSK	22.82	-4.3	16.37	PASS
Band5	5	20625	12	#Max	QPSK	22.66	-4.3	16.21	PASS
Band5	5	20625	25	#0	QPSK	22.74	-4.3	16.29	PASS
Band5	5	20625	1	#0	16QAM	23.21	-4.3	16.76	PASS
Band5	5	20625	1	#Mid	16QAM	23.56	-4.3	17.11	PASS
Band5	5	20625	1	#Max	16QAM	23.17	-4.3	16.72	PASS
Band5	5	20625	12	#0	16QAM	21.79	-4.3	15.34	PASS
Band5	5	20625	12	#Mid	16QAM	21.87	-4.3	15.42	PASS
Band5	5	20625	12	#Max	16QAM	21.75	-4.3	15.30	PASS
Band5	5	20625	25	#0	16QAM	21.79	-4.3	15.34	PASS
Band5	10	20450	1	#0	QPSK	23.62	-4.3	17.17	PASS
Band5	10	20450	1	#Mid	QPSK	23.75	-4.3	17.30	PASS
Band5	10	20450	1	#Max	QPSK	23.73	-4.3	17.28	PASS
Band5	10	20450	25	#0	QPSK	22.83	-4.3	16.38	PASS
Band5	10	20450	25	#Mid	QPSK	22.79	-4.3	16.34	PASS
Band5	10	20450	25	#Max	QPSK	22.91	-4.3	16.46	PASS
Band5	10	20450	50	#0	QPSK	22.82	-4.3	16.37	PASS
Band5	10	20450	1	#0	16QAM	22.86	-4.3	16.41	PASS
Band5	10	20450	1	#Mid	16QAM	23.04	-4.3	16.59	PASS
Band5	10	20450	1	#Max	16QAM	22.97	-4.3	16.52	PASS
Band5	10	20450	25	#0	16QAM	21.79	-4.3	15.34	PASS
Band5	10	20450	25	#Mid	16QAM	21.77	-4.3	15.32	PASS
Band5	10	20450	25	#Max	16QAM	21.87	-4.3	15.42	PASS
Band5	10	20450	50	#0	16QAM	21.92	-4.3	15.47	PASS
Band5	10	20525	1	#0	QPSK	23.77	-4.3	17.32	PASS
Band5	10	20525	1	#Mid	QPSK	23.91	-4.3	17.46	PASS
Band5	10	20525	1	#Max	QPSK	23.84	-4.3	17.39	PASS
Band5	10	20525	25	#0	QPSK	22.85	-4.3	16.40	PASS
Band5	10	20525	25	#Mid	QPSK	22.87	-4.3	16.42	PASS
Band5	10	20525	25	#Max	QPSK	22.77	-4.3	16.32	PASS
Band5	10	20525	50	#0	QPSK	22.77	-4.3	16.32	PASS
Band5	10	20525	1	#0	16QAM	22.62	-4.3	16.17	PASS
Band5	10	20525	1	#Mid	16QAM	22.79	-4.3	16.34	PASS
Band5	10	20525	1	#Max	16QAM	22.71	-4.3	16.26	PASS
Band5	10	20525	25	#0	16QAM	21.82	-4.3	15.37	PASS
Band5	10	20525	25	#Mid	16QAM	21.84	-4.3	15.39	PASS
Band5	10	20525	25	#Max	16QAM	21.83	-4.3	15.38	PASS
Band5	10	20525	50	#0	16QAM	21.81	-4.3	15.36	PASS
Band5	10	20600	1	#0	QPSK	23.72	-4.3	17.27	PASS
Band5	10	20600	1	#Mid	QPSK	23.92	-4.3	17.47	PASS
Band5	10	20600	1	#Max	QPSK	23.70	-4.3	17.25	PASS
Band5	10	20600	25	#0	QPSK	22.90	-4.3	16.45	PASS
Band5	10	20600	25	#Mid	QPSK	22.86	-4.3	16.41	PASS
Band5	10	20600	25	#Max	QPSK	22.89	-4.3	16.44	PASS
Band5	10	20600	50	#0	QPSK	22.88	-4.3	16.43	PASS
Band5	10	20600	1	#0	16QAM	23.24	-4.3	16.79	PASS
Band5	10	20600	1	#Mid	16QAM	23.31	-4.3	16.86	PASS
Band5	10	20600	1	#Max	16QAM	23.14	-4.3	16.69	PASS
Band5	10	20600	25	#0	16QAM	22.01	-4.3	15.56	PASS
Band5	10	20600	25	#Mid	16QAM	21.90	-4.3	15.45	PASS
Band5	10	20600	25	#Max	16QAM	21.94	-4.3	15.49	PASS
Band5	10	20600	50	#0	16QAM	21.98	-4.3	15.53	PASS

Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Power (dBm)	Gain (dBm)	EIRP (dBm)	Verdict
Band7	5	20775	1	#0	QPSK	23.60	-1.1	22.50	PASS
Band7	5	20775	1	#Mid	QPSK	23.95	-1.1	22.85	PASS
Band7	5	20775	1	#Max	QPSK	23.57	-1.1	22.47	PASS
Band7	5	20775	12	#0	QPSK	22.65	-1.1	21.55	PASS
Band7	5	20775	12	#Mid	QPSK	22.71	-1.1	21.61	PASS
Band7	5	20775	12	#Max	QPSK	22.67	-1.1	21.57	PASS
Band7	5	20775	25	#0	QPSK	22.66	-1.1	21.56	PASS
Band7	5	20775	1	#0	16QAM	23.09	-1.1	21.99	PASS
Band7	5	20775	1	#Mid	16QAM	23.44	-1.1	22.34	PASS
Band7	5	20775	1	#Max	16QAM	23.05	-1.1	21.95	PASS
Band7	5	20775	12	#0	16QAM	21.62	-1.1	20.52	PASS
Band7	5	20775	12	#Mid	16QAM	21.61	-1.1	20.51	PASS
Band7	5	20775	12	#Max	16QAM	21.63	-1.1	20.53	PASS
Band7	5	20775	25	#0	16QAM	21.59	-1.1	20.49	PASS
Band7	5	21100	1	#0	QPSK	23.36	-1.1	22.26	PASS
Band7	5	21100	1	#Mid	QPSK	23.75	-1.1	22.65	PASS
Band7	5	21100	1	#Max	QPSK	23.30	-1.1	22.20	PASS
Band7	5	21100	12	#0	QPSK	22.41	-1.1	21.31	PASS
Band7	5	21100	12	#Mid	QPSK	22.44	-1.1	21.34	PASS
Band7	5	21100	12	#Max	QPSK	22.37	-1.1	21.27	PASS
Band7	5	21100	25	#0	QPSK	22.40	-1.1	21.30	PASS
Band7	5	21100	1	#0	16QAM	22.62	-1.1	21.52	PASS
Band7	5	21100	1	#Mid	16QAM	22.97	-1.1	21.87	PASS
Band7	5	21100	1	#Max	16QAM	22.63	-1.1	21.53	PASS
Band7	5	21100	12	#0	16QAM	21.33	-1.1	20.23	PASS
Band7	5	21100	12	#Mid	16QAM	21.33	-1.1	20.23	PASS
Band7	5	21100	12	#Max	16QAM	21.27	-1.1	20.17	PASS
Band7	5	21100	25	#0	16QAM	21.38	-1.1	20.28	PASS
Band7	5	21425	1	#0	QPSK	23.22	-1.1	22.12	PASS
Band7	5	21425	1	#Mid	QPSK	23.65	-1.1	22.55	PASS
Band7	5	21425	1	#Max	QPSK	23.26	-1.1	22.16	PASS
Band7	5	21425	12	#0	QPSK	22.43	-1.1	21.33	PASS
Band7	5	21425	12	#Mid	QPSK	22.45	-1.1	21.35	PASS
Band7	5	21425	12	#Max	QPSK	22.37	-1.1	21.27	PASS
Band7	5	21425	25	#0	QPSK	22.40	-1.1	21.30	PASS
Band7	5	21425	1	#0	16QAM	22.58	-1.1	21.48	PASS
Band7	5	21425	1	#Mid	16QAM	22.79	-1.1	21.69	PASS
Band7	5	21425	1	#Max	16QAM	22.58	-1.1	21.48	PASS
Band7	5	21425	12	#0	16QAM	21.39	-1.1	20.29	PASS
Band7	5	21425	12	#Mid	16QAM	21.45	-1.1	20.35	PASS
Band7	5	21425	12	#Max	16QAM	21.34	-1.1	20.24	PASS
Band7	5	21425	25	#0	16QAM	21.31	-1.1	20.21	PASS
Band7	10	20800	1	#0	QPSK	23.76	-1.1	22.66	PASS
Band7	10	20800	1	#Mid	QPSK	23.83	-1.1	22.73	PASS
Band7	10	20800	1	#Max	QPSK	23.69	-1.1	22.59	PASS
Band7	10	20800	25	#0	QPSK	22.68	-1.1	21.58	PASS
Band7	10	20800	25	#Mid	QPSK	22.69	-1.1	21.59	PASS
Band7	10	20800	25	#Max	QPSK	22.68	-1.1	21.58	PASS
Band7	10	20800	50	#0	QPSK	22.64	-1.1	21.54	PASS
Band7	10	20800	1	#0	16QAM	22.54	-1.1	21.44	PASS
Band7	10	20800	1	#Mid	16QAM	22.63	-1.1	21.53	PASS
Band7	10	20800	1	#Max	16QAM	22.41	-1.1	21.31	PASS
Band7	10	20800	25	#0	16QAM	21.66	-1.1	20.56	PASS
Band7	10	20800	25	#Mid	16QAM	21.61	-1.1	20.51	PASS

Band7	10	20800	25	#Max	16QAM	21.68	-1.1	20.58	PASS
Band7	10	20800	50	#0	16QAM	21.61	-1.1	20.51	PASS
Band7	10	21100	1	#0	QPSK	23.42	-1.1	22.32	PASS
Band7	10	21100	1	#Mid	QPSK	23.50	-1.1	22.40	PASS
Band7	10	21100	1	#Max	QPSK	23.40	-1.1	22.30	PASS
Band7	10	21100	25	#0	QPSK	22.50	-1.1	21.40	PASS
Band7	10	21100	25	#Mid	QPSK	22.47	-1.1	21.37	PASS
Band7	10	21100	25	#Max	QPSK	22.47	-1.1	21.37	PASS
Band7	10	21100	50	#0	QPSK	22.42	-1.1	21.32	PASS
Band7	10	21100	1	#0	16QAM	22.84	-1.1	21.74	PASS
Band7	10	21100	1	#Mid	16QAM	22.90	-1.1	21.80	PASS
Band7	10	21100	1	#Max	16QAM	22.76	-1.1	21.66	PASS
Band7	10	21100	25	#0	16QAM	21.47	-1.1	20.37	PASS
Band7	10	21100	25	#Mid	16QAM	21.40	-1.1	20.30	PASS
Band7	10	21100	25	#Max	16QAM	21.45	-1.1	20.35	PASS
Band7	10	21100	50	#0	16QAM	21.40	-1.1	20.30	PASS
Band7	10	21400	1	#0	QPSK	23.33	-1.1	22.23	PASS
Band7	10	21400	1	#Mid	QPSK	23.49	-1.1	22.39	PASS
Band7	10	21400	1	#Max	QPSK	23.36	-1.1	22.26	PASS
Band7	10	21400	25	#0	QPSK	22.44	-1.1	21.34	PASS
Band7	10	21400	25	#Mid	QPSK	22.40	-1.1	21.30	PASS
Band7	10	21400	25	#Max	QPSK	22.40	-1.1	21.30	PASS
Band7	10	21400	50	#0	QPSK	22.39	-1.1	21.29	PASS
Band7	10	21400	1	#0	16QAM	22.44	-1.1	21.34	PASS
Band7	10	21400	1	#Mid	16QAM	22.67	-1.1	21.57	PASS
Band7	10	21400	1	#Max	16QAM	22.53	-1.1	21.43	PASS
Band7	10	21400	25	#0	16QAM	21.41	-1.1	20.31	PASS
Band7	10	21400	25	#Mid	16QAM	21.36	-1.1	20.26	PASS
Band7	10	21400	25	#Max	16QAM	21.39	-1.1	20.29	PASS
Band7	10	21400	50	#0	16QAM	21.40	-1.1	20.30	PASS
Band7	15	20825	1	#0	QPSK	23.58	-1.1	22.48	PASS
Band7	15	20825	1	#Mid	QPSK	23.94	-1.1	22.84	PASS
Band7	15	20825	1	#Max	QPSK	23.40	-1.1	22.30	PASS
Band7	15	20825	36	#0	QPSK	22.71	-1.1	21.61	PASS
Band7	15	20825	36	#Mid	QPSK	22.69	-1.1	21.59	PASS
Band7	15	20825	36	#Max	QPSK	22.66	-1.1	21.56	PASS
Band7	15	20825	75	#0	QPSK	22.67	-1.1	21.57	PASS
Band7	15	20825	1	#0	16QAM	22.93	-1.1	21.83	PASS
Band7	15	20825	1	#Mid	16QAM	23.27	-1.1	22.17	PASS
Band7	15	20825	1	#Max	16QAM	22.80	-1.1	21.70	PASS
Band7	15	20825	36	#0	16QAM	21.63	-1.1	20.53	PASS
Band7	15	20825	36	#Mid	16QAM	21.65	-1.1	20.55	PASS
Band7	15	20825	36	#Max	16QAM	21.62	-1.1	20.52	PASS
Band7	15	20825	75	#0	16QAM	21.61	-1.1	20.51	PASS
Band7	15	21100	1	#0	QPSK	23.38	-1.1	22.28	PASS
Band7	15	21100	1	#Mid	QPSK	23.57	-1.1	22.47	PASS
Band7	15	21100	1	#Max	QPSK	23.29	-1.1	22.19	PASS
Band7	15	21100	36	#0	QPSK	22.48	-1.1	21.38	PASS
Band7	15	21100	36	#Mid	QPSK	22.52	-1.1	21.42	PASS
Band7	15	21100	36	#Max	QPSK	22.39	-1.1	21.29	PASS
Band7	15	21100	75	#0	QPSK	22.46	-1.1	21.36	PASS
Band7	15	21100	1	#0	16QAM	22.58	-1.1	21.48	PASS
Band7	15	21100	1	#Mid	16QAM	22.90	-1.1	21.80	PASS
Band7	15	21100	1	#Max	16QAM	22.42	-1.1	21.32	PASS
Band7	15	21100	36	#0	16QAM	21.52	-1.1	20.42	PASS
Band7	15	21100	36	#Mid	16QAM	21.48	-1.1	20.38	PASS
Band7	15	21100	36	#Max	16QAM	21.46	-1.1	20.36	PASS

Band7	15	21100	75	#0	16QAM	21.45	-1.1	20.35	PASS
Band7	15	21375	1	#0	QPSK	23.33	-1.1	22.23	PASS
Band7	15	21375	1	#Mid	QPSK	23.75	-1.1	22.65	PASS
Band7	15	21375	1	#Max	QPSK	23.37	-1.1	22.27	PASS
Band7	15	21375	36	#0	QPSK	22.40	-1.1	21.30	PASS
Band7	15	21375	36	#Mid	QPSK	22.40	-1.1	21.30	PASS
Band7	15	21375	36	#Max	QPSK	22.46	-1.1	21.36	PASS
Band7	15	21375	75	#0	QPSK	22.43	-1.1	21.33	PASS
Band7	15	21375	1	#0	16QAM	22.38	-1.1	21.28	PASS
Band7	15	21375	1	#Mid	16QAM	22.71	-1.1	21.61	PASS
Band7	15	21375	1	#Max	16QAM	22.38	-1.1	21.28	PASS
Band7	15	21375	36	#0	16QAM	21.28	-1.1	20.18	PASS
Band7	15	21375	36	#Mid	16QAM	21.32	-1.1	20.22	PASS
Band7	15	21375	36	#Max	16QAM	21.34	-1.1	20.24	PASS
Band7	15	21375	75	#0	16QAM	21.40	-1.1	20.30	PASS
Band7	20	20850	1	#0	QPSK	23.55	-1.1	22.45	PASS
Band7	20	20850	1	#Mid	QPSK	23.74	-1.1	22.64	PASS
Band7	20	20850	1	#Max	QPSK	23.36	-1.1	22.26	PASS
Band7	20	20850	50	#0	QPSK	22.51	-1.1	21.41	PASS
Band7	20	20850	50	#Mid	QPSK	22.59	-1.1	21.49	PASS
Band7	20	20850	50	#Max	QPSK	22.54	-1.1	21.44	PASS
Band7	20	20850	100	#0	QPSK	22.52	-1.1	21.42	PASS
Band7	20	20850	1	#0	16QAM	22.74	-1.1	21.64	PASS
Band7	20	20850	1	#Mid	16QAM	22.91	-1.1	21.81	PASS
Band7	20	20850	1	#Max	16QAM	22.55	-1.1	21.45	PASS
Band7	20	20850	50	#0	16QAM	21.47	-1.1	20.37	PASS
Band7	20	20850	50	#Mid	16QAM	21.57	-1.1	20.47	PASS
Band7	20	20850	50	#Max	16QAM	21.56	-1.1	20.46	PASS
Band7	20	20850	100	#0	16QAM	21.49	-1.1	20.39	PASS
Band7	20	21100	1	#0	QPSK	23.34	-1.1	22.24	PASS
Band7	20	21100	1	#Mid	QPSK	23.54	-1.1	22.44	PASS
Band7	20	21100	1	#Max	QPSK	23.23	-1.1	22.13	PASS
Band7	20	21100	50	#0	QPSK	22.44	-1.1	21.34	PASS
Band7	20	21100	50	#Mid	QPSK	22.42	-1.1	21.32	PASS
Band7	20	21100	50	#Max	QPSK	22.40	-1.1	21.30	PASS
Band7	20	21100	100	#0	QPSK	22.41	-1.1	21.31	PASS
Band7	20	21100	1	#0	16QAM	22.64	-1.1	21.54	PASS
Band7	20	21100	1	#Mid	16QAM	22.87	-1.1	21.77	PASS
Band7	20	21100	1	#Max	16QAM	22.51	-1.1	21.41	PASS
Band7	20	21100	50	#0	16QAM	21.47	-1.1	20.37	PASS
Band7	20	21100	50	#Mid	16QAM	21.49	-1.1	20.39	PASS
Band7	20	21100	50	#Max	16QAM	21.39	-1.1	20.29	PASS
Band7	20	21100	100	#0	16QAM	21.41	-1.1	20.31	PASS
Band7	20	21350	1	#0	QPSK	23.26	-1.1	22.16	PASS
Band7	20	21350	1	#Mid	QPSK	23.58	-1.1	22.48	PASS
Band7	20	21350	1	#Max	QPSK	23.34	-1.1	22.24	PASS
Band7	20	21350	50	#0	QPSK	22.27	-1.1	21.17	PASS
Band7	20	21350	50	#Mid	QPSK	22.33	-1.1	21.23	PASS
Band7	20	21350	50	#Max	QPSK	22.27	-1.1	21.17	PASS
Band7	20	21350	100	#0	QPSK	22.23	-1.1	21.13	PASS
Band7	20	21350	1	#0	16QAM	22.35	-1.1	21.25	PASS
Band7	20	21350	1	#Mid	16QAM	22.66	-1.1	21.56	PASS
Band7	20	21350	1	#Max	16QAM	22.48	-1.1	21.38	PASS
Band7	20	21350	50	#0	16QAM	21.24	-1.1	20.14	PASS
Band7	20	21350	50	#Mid	16QAM	21.34	-1.1	20.24	PASS
Band7	20	21350	50	#Max	16QAM	21.22	-1.1	20.12	PASS
Band7	20	21350	100	#0	16QAM	21.19	-1.1	20.09	PASS

Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Power (dBm)	Gain (dBm)	ERP (dBm)	Verdict
Band12	1.4	23017	1	#0	QPSK	23.60	-4.6	16.85	PASS
Band12	1.4	23017	1	#Mid	QPSK	23.78	-4.6	17.03	PASS
Band12	1.4	23017	1	#Max	QPSK	23.61	-4.6	16.86	PASS
Band12	1.4	23017	3	#0	QPSK	23.77	-4.6	17.02	PASS
Band12	1.4	23017	3	#Mid	QPSK	23.78	-4.6	17.03	PASS
Band12	1.4	23017	3	#Max	QPSK	23.77	-4.6	17.02	PASS
Band12	1.4	23017	6	#0	QPSK	22.68	-4.6	15.93	PASS
Band12	1.4	23017	1	#0	16QAM	22.81	-4.6	16.06	PASS
Band12	1.4	23017	1	#Mid	16QAM	22.93	-4.6	16.18	PASS
Band12	1.4	23017	1	#Max	16QAM	22.83	-4.6	16.08	PASS
Band12	1.4	23017	3	#0	16QAM	22.91	-4.6	16.16	PASS
Band12	1.4	23017	3	#Mid	16QAM	22.95	-4.6	16.20	PASS
Band12	1.4	23017	3	#Max	16QAM	22.96	-4.6	16.21	PASS
Band12	1.4	23017	6	#0	16QAM	21.83	-4.6	15.08	PASS
Band12	1.4	23095	1	#0	QPSK	23.71	-4.6	16.96	PASS
Band12	1.4	23095	1	#Mid	QPSK	23.88	-4.6	17.13	PASS
Band12	1.4	23095	1	#Max	QPSK	23.71	-4.6	16.96	PASS
Band12	1.4	23095	3	#0	QPSK	23.78	-4.6	17.03	PASS
Band12	1.4	23095	3	#Mid	QPSK	23.76	-4.6	17.01	PASS
Band12	1.4	23095	3	#Max	QPSK	23.75	-4.6	17.00	PASS
Band12	1.4	23095	6	#0	QPSK	22.68	-4.6	15.93	PASS
Band12	1.4	23095	1	#0	16QAM	22.55	-4.6	15.80	PASS
Band12	1.4	23095	1	#Mid	16QAM	22.68	-4.6	15.93	PASS
Band12	1.4	23095	1	#Max	16QAM	22.55	-4.6	15.80	PASS
Band12	1.4	23095	3	#0	16QAM	22.90	-4.6	16.15	PASS
Band12	1.4	23095	3	#Mid	16QAM	22.90	-4.6	16.15	PASS
Band12	1.4	23095	3	#Max	16QAM	22.93	-4.6	16.18	PASS
Band12	1.4	23095	6	#0	16QAM	21.89	-4.6	15.14	PASS
Band12	1.4	23173	1	#0	QPSK	23.72	-4.6	16.97	PASS
Band12	1.4	23173	1	#Mid	QPSK	23.92	-4.6	17.17	PASS
Band12	1.4	23173	1	#Max	QPSK	23.70	-4.6	16.95	PASS
Band12	1.4	23173	3	#0	QPSK	23.68	-4.6	16.93	PASS
Band12	1.4	23173	3	#Mid	QPSK	23.71	-4.6	16.96	PASS
Band12	1.4	23173	3	#Max	QPSK	23.69	-4.6	16.94	PASS
Band12	1.4	23173	6	#0	QPSK	22.70	-4.6	15.95	PASS
Band12	1.4	23173	1	#0	16QAM	22.69	-4.6	15.94	PASS
Band12	1.4	23173	1	#Mid	16QAM	22.85	-4.6	16.10	PASS
Band12	1.4	23173	1	#Max	16QAM	22.67	-4.6	15.92	PASS
Band12	1.4	23173	3	#0	16QAM	22.82	-4.6	16.07	PASS
Band12	1.4	23173	3	#Mid	16QAM	22.83	-4.6	16.08	PASS
Band12	1.4	23173	3	#Max	16QAM	22.80	-4.6	16.05	PASS
Band12	1.4	23173	6	#0	16QAM	21.81	-4.6	15.06	PASS
Band12	3	23025	1	#0	QPSK	23.70	-4.6	16.95	PASS
Band12	3	23025	1	#Mid	QPSK	24.05	-4.6	17.30	PASS
Band12	3	23025	1	#Max	QPSK	23.74	-4.6	16.99	PASS
Band12	3	23025	8	#0	QPSK	22.70	-4.6	15.95	PASS
Band12	3	23025	8	#Mid	QPSK	22.75	-4.6	16.00	PASS
Band12	3	23025	8	#Max	QPSK	22.70	-4.6	15.95	PASS
Band12	3	23025	15	#0	QPSK	22.68	-4.6	15.93	PASS
Band12	3	23025	1	#0	16QAM	22.57	-4.6	15.82	PASS
Band12	3	23025	1	#Mid	16QAM	22.87	-4.6	16.12	PASS
Band12	3	23025	1	#Max	16QAM	22.55	-4.6	15.80	PASS
Band12	3	23025	8	#0	16QAM	21.70	-4.6	14.95	PASS
Band12	3	23025	8	#Mid	16QAM	21.70	-4.6	14.95	PASS

Band12	3	23025	8	#Max	16QAM	21.69	-4.6	14.94	PASS
Band12	3	23025	15	#0	16QAM	21.77	-4.6	15.02	PASS
Band12	3	23095	1	#0	QPSK	23.65	-4.6	16.90	PASS
Band12	3	23095	1	#Mid	QPSK	23.92	-4.6	17.17	PASS
Band12	3	23095	1	#Max	QPSK	23.66	-4.6	16.91	PASS
Band12	3	23095	8	#0	QPSK	22.68	-4.6	15.93	PASS
Band12	3	23095	8	#Mid	QPSK	22.71	-4.6	15.96	PASS
Band12	3	23095	8	#Max	QPSK	22.70	-4.6	15.95	PASS
Band12	3	23095	15	#0	QPSK	22.69	-4.6	15.94	PASS
Band12	3	23095	1	#0	16QAM	23.10	-4.6	16.35	PASS
Band12	3	23095	1	#Mid	16QAM	23.41	-4.6	16.66	PASS
Band12	3	23095	1	#Max	16QAM	23.09	-4.6	16.34	PASS
Band12	3	23095	8	#0	16QAM	21.72	-4.6	14.97	PASS
Band12	3	23095	8	#Mid	16QAM	21.75	-4.6	15.00	PASS
Band12	3	23095	8	#Max	16QAM	21.74	-4.6	14.99	PASS
Band12	3	23095	15	#0	16QAM	21.75	-4.6	15.00	PASS
Band12	3	23165	1	#0	QPSK	23.61	-4.6	16.86	PASS
Band12	3	23165	1	#Mid	QPSK	23.95	-4.6	17.20	PASS
Band12	3	23165	1	#Max	QPSK	23.67	-4.6	16.92	PASS
Band12	3	23165	8	#0	QPSK	22.71	-4.6	15.96	PASS
Band12	3	23165	8	#Mid	QPSK	22.71	-4.6	15.96	PASS
Band12	3	23165	8	#Max	QPSK	22.69	-4.6	15.94	PASS
Band12	3	23165	15	#0	QPSK	22.65	-4.6	15.90	PASS
Band12	3	23165	1	#0	16QAM	22.83	-4.6	16.08	PASS
Band12	3	23165	1	#Mid	16QAM	23.12	-4.6	16.37	PASS
Band12	3	23165	1	#Max	16QAM	22.75	-4.6	16.00	PASS
Band12	3	23165	8	#0	16QAM	21.71	-4.6	14.96	PASS
Band12	3	23165	8	#Mid	16QAM	21.72	-4.6	14.97	PASS
Band12	3	23165	8	#Max	16QAM	21.66	-4.6	14.91	PASS
Band12	3	23165	15	#0	16QAM	21.60	-4.6	14.85	PASS
Band12	5	23035	1	#0	QPSK	23.62	-4.6	16.87	PASS
Band12	5	23035	1	#Mid	QPSK	24.02	-4.6	17.27	PASS
Band12	5	23035	1	#Max	QPSK	23.59	-4.6	16.84	PASS
Band12	5	23035	12	#0	QPSK	22.69	-4.6	15.94	PASS
Band12	5	23035	12	#Mid	QPSK	22.71	-4.6	15.96	PASS
Band12	5	23035	12	#Max	QPSK	22.64	-4.6	15.89	PASS
Band12	5	23035	25	#0	QPSK	22.71	-4.6	15.96	PASS
Band12	5	23035	1	#0	16QAM	22.84	-4.6	16.09	PASS
Band12	5	23035	1	#Mid	16QAM	23.31	-4.6	16.56	PASS
Band12	5	23035	1	#Max	16QAM	22.94	-4.6	16.19	PASS
Band12	5	23035	12	#0	16QAM	21.62	-4.6	14.87	PASS
Band12	5	23035	12	#Mid	16QAM	21.69	-4.6	14.94	PASS
Band12	5	23035	12	#Max	16QAM	21.62	-4.6	14.87	PASS
Band12	5	23035	25	#0	16QAM	21.72	-4.6	14.97	PASS
Band12	5	23095	1	#0	QPSK	23.52	-4.6	16.77	PASS
Band12	5	23095	1	#Mid	QPSK	23.70	-4.6	16.95	PASS
Band12	5	23095	1	#Max	QPSK	23.56	-4.6	16.81	PASS
Band12	5	23095	12	#0	QPSK	22.69	-4.6	15.94	PASS
Band12	5	23095	12	#Mid	QPSK	22.74	-4.6	15.99	PASS
Band12	5	23095	12	#Max	QPSK	22.70	-4.6	15.95	PASS
Band12	5	23095	25	#0	QPSK	22.67	-4.6	15.92	PASS
Band12	5	23095	1	#0	16QAM	22.86	-4.6	16.11	PASS
Band12	5	23095	1	#Mid	16QAM	23.29	-4.6	16.54	PASS
Band12	5	23095	1	#Max	16QAM	22.91	-4.6	16.16	PASS
Band12	5	23095	12	#0	16QAM	21.75	-4.6	15.00	PASS
Band12	5	23095	12	#Mid	16QAM	21.80	-4.6	15.05	PASS
Band12	5	23095	12	#Max	16QAM	21.75	-4.6	15.00	PASS

Band12	5	23095	25	#0	16QAM	21.71	-4.6	14.96	PASS
Band12	5	23155	1	#0	QPSK	23.55	-4.6	16.80	PASS
Band12	5	23155	1	#Mid	QPSK	23.97	-4.6	17.22	PASS
Band12	5	23155	1	#Max	QPSK	23.59	-4.6	16.84	PASS
Band12	5	23155	12	#0	QPSK	22.67	-4.6	15.92	PASS
Band12	5	23155	12	#Mid	QPSK	22.75	-4.6	16.00	PASS
Band12	5	23155	12	#Max	QPSK	22.62	-4.6	15.87	PASS
Band12	5	23155	25	#0	QPSK	22.69	-4.6	15.94	PASS
Band12	5	23155	1	#0	16QAM	23.06	-4.6	16.31	PASS
Band12	5	23155	1	#Mid	16QAM	23.42	-4.6	16.67	PASS
Band12	5	23155	1	#Max	16QAM	23.00	-4.6	16.25	PASS
Band12	5	23155	12	#0	16QAM	21.64	-4.6	14.89	PASS
Band12	5	23155	12	#Mid	16QAM	21.72	-4.6	14.97	PASS
Band12	5	23155	12	#Max	16QAM	21.64	-4.6	14.89	PASS
Band12	5	23155	25	#0	16QAM	21.67	-4.6	14.92	PASS
Band12	10	23060	1	#0	QPSK	23.64	-4.6	16.89	PASS
Band12	10	23060	1	#Mid	QPSK	23.81	-4.6	17.06	PASS
Band12	10	23060	1	#Max	QPSK	23.66	-4.6	16.91	PASS
Band12	10	23060	25	#0	QPSK	22.73	-4.6	15.98	PASS
Band12	10	23060	25	#Mid	QPSK	22.67	-4.6	15.92	PASS
Band12	10	23060	25	#Max	QPSK	22.74	-4.6	15.99	PASS
Band12	10	23060	50	#0	QPSK	22.74	-4.6	15.99	PASS
Band12	10	23060	1	#0	16QAM	22.82	-4.6	16.07	PASS
Band12	10	23060	1	#Mid	16QAM	22.99	-4.6	16.24	PASS
Band12	10	23060	1	#Max	16QAM	22.86	-4.6	16.11	PASS
Band12	10	23060	25	#0	16QAM	21.74	-4.6	14.99	PASS
Band12	10	23060	25	#Mid	16QAM	21.68	-4.6	14.93	PASS
Band12	10	23060	25	#Max	16QAM	21.77	-4.6	15.02	PASS
Band12	10	23060	50	#0	16QAM	21.80	-4.6	15.05	PASS
Band12	10	23095	1	#0	QPSK	23.71	-4.6	16.96	PASS
Band12	10	23095	1	#Mid	QPSK	23.85	-4.6	17.10	PASS
Band12	10	23095	1	#Max	QPSK	23.75	-4.6	17.00	PASS
Band12	10	23095	25	#0	QPSK	22.71	-4.6	15.96	PASS
Band12	10	23095	25	#Mid	QPSK	22.68	-4.6	15.93	PASS
Band12	10	23095	25	#Max	QPSK	22.77	-4.6	16.02	PASS
Band12	10	23095	50	#0	QPSK	22.74	-4.6	15.99	PASS
Band12	10	23095	1	#0	16QAM	22.53	-4.6	15.78	PASS
Band12	10	23095	1	#Mid	16QAM	22.68	-4.6	15.93	PASS
Band12	10	23095	1	#Max	16QAM	22.51	-4.6	15.76	PASS
Band12	10	23095	25	#0	16QAM	21.74	-4.6	14.99	PASS
Band12	10	23095	25	#Mid	16QAM	21.72	-4.6	14.97	PASS
Band12	10	23095	25	#Max	16QAM	21.76	-4.6	15.01	PASS
Band12	10	23095	50	#0	16QAM	21.73	-4.6	14.98	PASS
Band12	10	23130	1	#0	QPSK	23.65	-4.6	16.90	PASS
Band12	10	23130	1	#Mid	QPSK	23.74	-4.6	16.99	PASS
Band12	10	23130	1	#Max	QPSK	23.63	-4.6	16.88	PASS
Band12	10	23130	25	#0	QPSK	22.79	-4.6	16.04	PASS
Band12	10	23130	25	#Mid	QPSK	22.77	-4.6	16.02	PASS
Band12	10	23130	25	#Max	QPSK	22.68	-4.6	15.93	PASS
Band12	10	23130	50	#0	QPSK	22.70	-4.6	15.95	PASS
Band12	10	23130	1	#0	16QAM	23.09	-4.6	16.34	PASS
Band12	10	23130	1	#Mid	16QAM	23.16	-4.6	16.41	PASS
Band12	10	23130	1	#Max	16QAM	22.97	-4.6	16.22	PASS
Band12	10	23130	25	#0	16QAM	21.82	-4.6	15.07	PASS
Band12	10	23130	25	#Mid	16QAM	21.81	-4.6	15.06	PASS
Band12	10	23130	25	#Max	16QAM	21.73	-4.6	14.98	PASS
Band12	10	23130	50	#0	16QAM	21.77	-4.6	15.02	PASS

Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Power (dBm)	Gain (dBm)	ERP (dBm)	Verdict
Band17	5	23755	1	#0	QPSK	23.55	-4.6	16.80	PASS
Band17	5	23755	1	#Mid	QPSK	23.98	-4.6	17.23	PASS
Band17	5	23755	1	#Max	QPSK	23.58	-4.6	16.83	PASS
Band17	5	23755	12	#0	QPSK	22.69	-4.6	15.94	PASS
Band17	5	23755	12	#Mid	QPSK	22.74	-4.6	15.99	PASS
Band17	5	23755	12	#Max	QPSK	22.65	-4.6	15.90	PASS
Band17	5	23755	25	#0	QPSK	22.67	-4.6	15.92	PASS
Band17	5	23755	1	#0	16QAM	23.10	-4.6	16.35	PASS
Band17	5	23755	1	#Mid	16QAM	23.46	-4.6	16.71	PASS
Band17	5	23755	1	#Max	16QAM	23.12	-4.6	16.37	PASS
Band17	5	23755	12	#0	16QAM	21.70	-4.6	14.95	PASS
Band17	5	23755	12	#Mid	16QAM	21.75	-4.6	15.00	PASS
Band17	5	23755	12	#Max	16QAM	21.66	-4.6	14.91	PASS
Band17	5	23755	25	#0	16QAM	21.65	-4.6	14.90	PASS
Band17	5	23790	1	#0	QPSK	23.57	-4.6	16.82	PASS
Band17	5	23790	1	#Mid	QPSK	23.77	-4.6	17.02	PASS
Band17	5	23790	1	#Max	QPSK	23.59	-4.6	16.84	PASS
Band17	5	23790	12	#0	QPSK	22.69	-4.6	15.94	PASS
Band17	5	23790	12	#Mid	QPSK	22.76	-4.6	16.01	PASS
Band17	5	23790	12	#Max	QPSK	22.69	-4.6	15.94	PASS
Band17	5	23790	25	#0	QPSK	22.74	-4.6	15.99	PASS
Band17	5	23790	1	#0	16QAM	22.89	-4.6	16.14	PASS
Band17	5	23790	1	#Mid	16QAM	23.31	-4.6	16.56	PASS
Band17	5	23790	1	#Max	16QAM	22.85	-4.6	16.10	PASS
Band17	5	23790	12	#0	16QAM	21.62	-4.6	14.87	PASS
Band17	5	23790	12	#Mid	16QAM	21.72	-4.6	14.97	PASS
Band17	5	23790	12	#Max	16QAM	21.66	-4.6	14.91	PASS
Band17	5	23790	25	#0	16QAM	21.74	-4.6	14.99	PASS
Band17	5	23825	1	#0	QPSK	23.53	-4.6	16.78	PASS
Band17	5	23825	1	#Mid	QPSK	24.06	-4.6	17.31	PASS
Band17	5	23825	1	#Max	QPSK	23.52	-4.6	16.77	PASS
Band17	5	23825	12	#0	QPSK	22.67	-4.6	15.92	PASS
Band17	5	23825	12	#Mid	QPSK	22.73	-4.6	15.98	PASS
Band17	5	23825	12	#Max	QPSK	22.60	-4.6	15.85	PASS
Band17	5	23825	25	#0	QPSK	22.67	-4.6	15.92	PASS
Band17	5	23825	1	#0	16QAM	22.87	-4.6	16.12	PASS
Band17	5	23825	1	#Mid	16QAM	23.23	-4.6	16.48	PASS
Band17	5	23825	1	#Max	16QAM	22.75	-4.6	16.00	PASS
Band17	5	23825	12	#0	16QAM	21.67	-4.6	14.92	PASS
Band17	5	23825	12	#Mid	16QAM	21.76	-4.6	15.01	PASS
Band17	5	23825	12	#Max	16QAM	21.60	-4.6	14.85	PASS
Band17	5	23825	25	#0	16QAM	21.65	-4.6	14.90	PASS
Band17	10	23780	1	#0	QPSK	23.59	-4.6	16.84	PASS
Band17	10	23780	1	#Mid	QPSK	23.80	-4.6	17.05	PASS
Band17	10	23780	1	#Max	QPSK	23.63	-4.6	16.88	PASS
Band17	10	23780	25	#0	QPSK	22.73	-4.6	15.98	PASS
Band17	10	23780	25	#Mid	QPSK	22.73	-4.6	15.98	PASS
Band17	10	23780	25	#Max	QPSK	22.75	-4.6	16.00	PASS
Band17	10	23780	50	#0	QPSK	22.70	-4.6	15.95	PASS
Band17	10	23780	1	#0	16QAM	22.73	-4.6	15.98	PASS
Band17	10	23780	1	#Mid	16QAM	22.98	-4.6	16.23	PASS
Band17	10	23780	1	#Max	16QAM	22.71	-4.6	15.96	PASS
Band17	10	23780	25	#0	16QAM	21.71	-4.6	14.96	PASS
Band17	10	23780	25	#Mid	16QAM	21.77	-4.6	15.02	PASS

Band17	10	23780	25	#Max	16QAM	21.77	-4.6	15.02	PASS
Band17	10	23780	50	#0	16QAM	21.77	-4.6	15.02	PASS
Band17	10	23790	1	#0	QPSK	23.72	-4.6	16.97	PASS
Band17	10	23790	1	#Mid	QPSK	23.87	-4.6	17.12	PASS
Band17	10	23790	1	#Max	QPSK	23.73	-4.6	16.98	PASS
Band17	10	23790	25	#0	QPSK	22.72	-4.6	15.97	PASS
Band17	10	23790	25	#Mid	QPSK	22.68	-4.6	15.93	PASS
Band17	10	23790	25	#Max	QPSK	22.68	-4.6	15.93	PASS
Band17	10	23790	50	#0	QPSK	22.70	-4.6	15.95	PASS
Band17	10	23790	1	#0	16QAM	22.50	-4.6	15.75	PASS
Band17	10	23790	1	#Mid	16QAM	22.65	-4.6	15.90	PASS
Band17	10	23790	1	#Max	16QAM	22.43	-4.6	15.68	PASS
Band17	10	23790	25	#0	16QAM	21.74	-4.6	14.99	PASS
Band17	10	23790	25	#Mid	16QAM	21.68	-4.6	14.93	PASS
Band17	10	23790	25	#Max	16QAM	21.71	-4.6	14.96	PASS
Band17	10	23790	50	#0	16QAM	21.68	-4.6	14.93	PASS
Band17	10	23800	1	#0	QPSK	23.60	-4.6	16.85	PASS
Band17	10	23800	1	#Mid	QPSK	23.78	-4.6	17.03	PASS
Band17	10	23800	1	#Max	QPSK	23.60	-4.6	16.85	PASS
Band17	10	23800	25	#0	QPSK	22.72	-4.6	15.97	PASS
Band17	10	23800	25	#Mid	QPSK	22.73	-4.6	15.98	PASS
Band17	10	23800	25	#Max	QPSK	22.68	-4.6	15.93	PASS
Band17	10	23800	50	#0	QPSK	22.74	-4.6	15.99	PASS
Band17	10	23800	1	#0	16QAM	23.05	-4.6	16.30	PASS
Band17	10	23800	1	#Mid	16QAM	23.18	-4.6	16.43	PASS
Band17	10	23800	1	#Max	16QAM	22.93	-4.6	16.18	PASS
Band17	10	23800	25	#0	16QAM	21.78	-4.6	15.03	PASS
Band17	10	23800	25	#Mid	16QAM	21.76	-4.6	15.01	PASS
Band17	10	23800	25	#Max	16QAM	21.73	-4.6	14.98	PASS
Band17	10	23800	50	#0	16QAM	21.74	-4.6	14.99	PASS

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NFC								
Modulation	Frequency (MHz)	Output Power (dBuV/m)	Output Power (dBm)	Max. Tune up Power (dBm)	Max. Tune up Power (mW)	Test distance (mm)	Result	exclusion thresholds for 1-g SAR
ASK	13.56	52.46	-47.44	-47.00	0.00002	5	0.00001	3.0

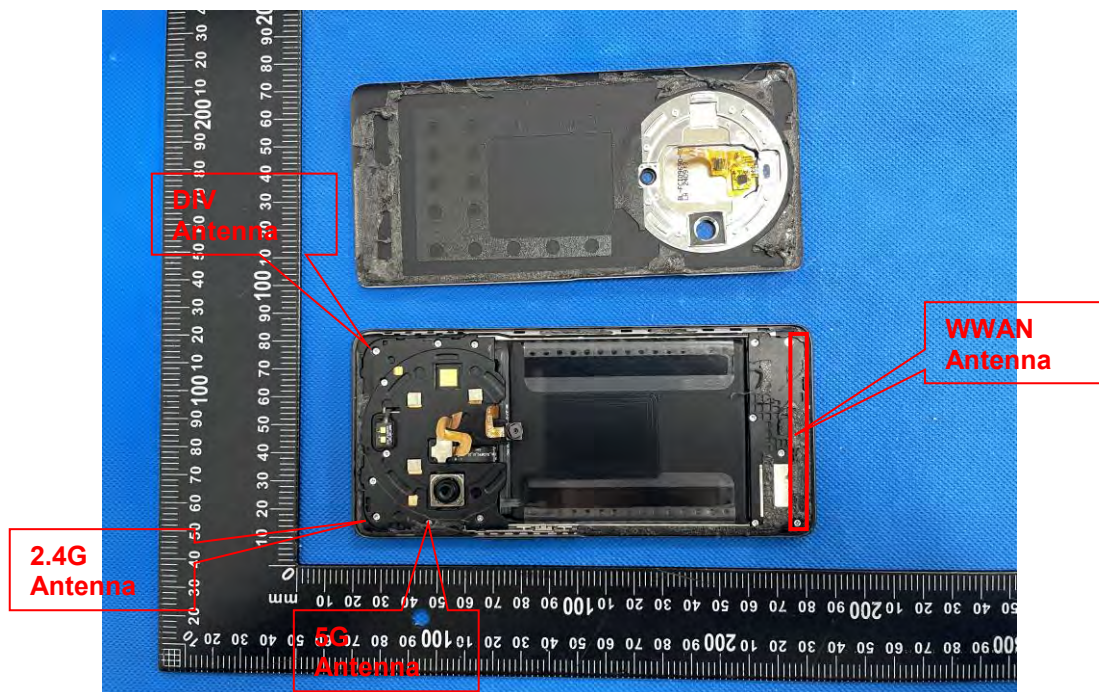
Note:

Per KDB 447498 D01v06, when the minimum test separation distance is < 5 mm, a distance of 5 mm is applied to determine SAR test exclusion.

According to the calculation results in the table above, NFC SAR does not need to be tested.

14.2 Transmit Antennas and SAR Measurement Position

EUT Antenna Location:



Antennas	Support Band
WWAN	GSM 850/1900 + WCDMA Band 2/4/5 + LTE Band 2/4/5/7/12/17 TX
DIV	GSM 850/1900 + WCDMA Band 2/4/5 + LTE Band 2/4/5/7/12/17 RX
2.4G	Bluetooth + WIFI 2.4G
5G	WIFI 5G

Distance of The Antenna to the EUT surface and edge (mm)						
Antennas	Front	Back	Top Side	Bottom Side	Left Side	Right Side
WWAN	<25	<25	140	<25	50	<25
2.4G	<25	<25	<25	140	50	<25
5G	<25	<25	<25	135	50	<25

Positions for SAR tests; Hotspot mode						
Antennas	Front	Back	Top Side	Bottom Side	Left Side	Right Side
WWAN	Yes	Yes	No	Yes	Yes	Yes
2.4G	Yes	Yes	Yes	No	No	Yes
5G	Yes	Yes	Yes	No	No	Yes

14.3 Measured and Reported (Scaled) SAR Results

The calculated SAR is obtained by the following formula:

1. Reported SAR for WWAN=Measured SAR * Tune-up Scaling factor
2. Reported SAR for WLAN and Bluetooth=Measured SAR * Tune-up Scaling factor * Duty Cycle Scaling factor
3. Duty Cycle Scaling factor=1/ Duty Cycle (%)

KDB 447498 D01 General RF Exposure Guidance:

Testing of other required channels within the operating mode of a frequency band is not required when the reported 1-g or 10-g SAR for the mid-band or highest output power channel is:

- ≤ 0.8 W/kg or 2.0 W/kg, for 1-g or 10-g respectively, when the transmission band is ≤ 100 MHz
- ≤ 0.6 W/kg or 1.5 W/kg, for 1-g or 10-g respectively, when the transmission band is between 100 MHz and 200 MHz
- ≤ 0.4 W/kg or 1.0 W/kg, for 1-g or 10-g respectively, when the transmission band is ≥ 200 MHz

KDB 648474 D04 Handset SAR v01r03:

1. When the *reported* SAR for a body-worn accessory, measured without a headset connected to the handset, is > 1.2 W/kg, the highest *reported* SAR configuration for that wireless mode and frequency band should be repeated for the body-worn accessory with a headset attached to the handset.
2. when the separation distance required for body-worn accessory testing is larger than or equal to that tested for hotspot mode, using the same wireless mode test configuration for voice and data, such as UMTS, LTE and Wi-Fi, and for the same surface of the phone, the hotspot mode SAR data may be used to support body-worn accessory SAR compliance for that particular configuration (surface)
3. For Smart phones with a display diagonal dimension > 15.0 cm or an overall diagonal dimension > 16.0 cm, when hotspot mode applies, 10-g extremity SAR is required only for the surfaces and edges with hotspot mode 1-g reported SAR > 1.2 W/kg.

KDB 941225 D01 3G SAR Procedures:

When the maximum output power and tune-up tolerance specified for production units in a secondary mode is $\leq 1/4$ dB higher than the primary mode (RMC12.2kbps) or when the highest reported SAR of the primary mode is scaled by the ratio of specified maximum output power and tune-up tolerance of secondary to primary mode and the adjusted SAR is ≤ 1.2 W/kg, SAR measurement is not required for the secondary mode.

KDB 941225 D05 SAR for LTE Devices:

1. Start with the largest channel bandwidth and measure SAR for QPSK with 1 RB, and 50% 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.
2. When the reported SAR is > 0.8 W/kg, testing for other Channels is performed at the highest output power level for 1RB, and 50% RB configuration for that channel.
3. Testing for 100% RB configuration is performed at the highest output power level for 100% RB configuration across the Low, Mid and High Channel when the highest reported SAR for 1 RB and 50% RB are > 0.8 W/kg. Testing for the remaining required channels is not needed because the reported SAR for 100% RB Allocation < 1.45 W/kg.
4. SAR measurement is not required for the 16QAM and 64QAM. When the highest maximum output power for 16QAM and 64QAM is $\leq 1/2$ dB higher than the QPSK or when the reported SAR for the QPSK configuration is ≤ 1.45 W/kg.
5. Testing for the other channel bandwidths is not required because the reported SAR for the highest channel bandwidth is < 1.45 W/Kg and its output power is not more than 0.5 dB higher than that of the highest channel bandwidth.

WIFI 2.4G									
RF Exposure Conditions	Mode	Test Position	Freq. (MHz)	Output Power (dBm)			SAR1g (W/kg)		Plot No.
				Meas.	Turn-up	Scaling Factor	Meas.	Scaled	
Head (0mm)	b	Left Cheek	2437	11.63	12.0	1.089	0.194	0.211	
		Left Tilt	2437	11.63	12.0	1.089	0.107	0.117	
		Right Cheek	2437	11.63	12.0	1.089	0.236	0.257	1
		Right Tilt	2437	11.63	12.0	1.089	0.219	0.238	
Body (10mm)	b	Front	2437	11.63	12.0	1.089	0.184	0.200	
		Back	2437	11.63	12.0	1.089	0.081	0.088	
Hotspot (10mm)	b	Front	2437	11.63	12.0	1.089	0.184	0.200	
		Back	2437	11.63	12.0	1.089	0.081	0.088	
		Right Side	2437	11.63	12.0	1.089	0.164	0.179	
		Top Side	2437	11.63	12.0	1.089	0.133	0.145	

Remark:

- Per FCC KDB Publication 447498 D01, if the reported (scaled) SAR measured at the middle channel or highest output power channel for each test configuration is ≤ 0.8 W/kg then testing at the other channels SAR tests are not necessary.

WIFI 5.1G									
RF Exposure Conditions	Mode	Test Position	Freq. (MHz)	Output Power (dBm)			SAR1g (W/kg)		Plot No.
				Meas.	Turn-up	Scaling Factor	Meas.	Scaled	
Head (0mm)	a	Left Cheek	5240	11.66	12.0	1.081	0.429	0.464	
		Left Tilt	5240	11.66	12.0	1.081	0.393	0.425	
		Right Cheek	5240	11.66	12.0	1.081	0.274	0.296	
		Right Tilt	5240	11.66	12.0	1.081	0.458	0.495	2
Body (10mm)	a	Front	5240	11.66	12.0	1.081	0.178	0.192	
		Back	5240	11.66	12.0	1.081	0.257	0.278	
Hotspot (10mm)	a	Front	5240	11.66	12.0	1.081	0.178	0.192	
		Back	5240	11.66	12.0	1.081	0.257	0.278	
		Right Side	5240	11.66	12.0	1.081	0.227	0.245	
		Top Side	5240	11.66	12.0	1.081	0.262	0.283	

WIFI 5.8G									
RF Exposure Conditions	Mode	Test Position	Freq. (MHz)	Output Power (dBm)			SAR1g (W/kg)		Plot No.
				Meas.	Turn-up	Scaling Factor	Meas.	Scaled	
Head (0mm)	a	Left Cheek	5745	10.62	11.0	1.091	0.545	0.595	3
		Left Tilt	5745	10.62	11.0	1.091	0.279	0.305	
		Right Cheek	5745	10.62	11.0	1.091	0.406	0.443	
		Right Tilt	5745	10.62	11.0	1.091	0.543	0.593	
Body (10mm)	a	Front	5745	10.62	11.0	1.091	0.247	0.270	
		Back	5745	10.62	11.0	1.091	0.359	0.392	
Hotspot (10mm)	a	Front	5745	10.62	11.0	1.091	0.247	0.270	
		Back	5745	10.62	11.0	1.091	0.359	0.392	
		Right Side	5745	10.62	11.0	1.091	0.272	0.297	
		Top Side	5745	10.62	11.0	1.091	0.254	0.277	

Remark:

- Per FCC KDB Publication 447498 D01, if the reported (scaled) SAR measured at the middle channel or highest output power channel for each test configuration is ≤ 0.8 W/kg then testing at the other channels SAR tests are not necessary.

GSM 850									
RF Exposure Conditions	Mode	Test Position	Freq. (MHz)	Output Power (dBm)			SAR1g (W/kg)		Plot No.
				Meas.	Turn-up	Scaling Factor	Meas.	Scaled	
Head (0mm)	GSM	Left Cheek	848.8	33.73	34.0	1.064	0.095	0.101	
		Left Tilt	848.8	33.73	34.0	1.064	0.174	0.185	
		Right Cheek	848.8	33.73	34.0	1.064	0.126	0.134	
		Right Tilt	848.8	33.73	34.0	1.064	0.147	0.156	
Body (10mm)	GSM	Front	848.8	33.73	34.0	1.064	0.227	0.242	
		Back	848.8	33.73	34.0	1.064	0.157	0.167	
	GPRS Slot-4	Front	848.8	30.05	30.5	1.109	0.421	0.467	
		Back	848.8	30.05	30.5	1.109	0.386	0.428	
Hotspot (10mm)	GSM	Front	848.8	33.73	34.0	1.064	0.227	0.242	
		Back	848.8	33.73	34.0	1.064	0.157	0.167	
	GPRS Slot-4	Front	848.8	30.05	30.5	1.109	0.421	0.467	
		Back	848.8	30.05	30.5	1.109	0.386	0.428	
		Left Side	848.8	30.05	30.5	1.109	0.144	0.160	
		Right Side	848.8	30.05	30.5	1.109	0.484	0.537	4
		Bottom Side	848.8	30.05	30.5	1.109	0.317	0.352	

Remark:

- Per FCC KDB Publication 447498 D01, if the reported (scaled) SAR measured at the middle channel or highest output power channel for each test configuration is ≤ 0.8 W/kg then testing at the other channels SAR tests are not necessary.
- Per KDB 941225 D01, SAR is not required for EDGE mode because the maximum output power and tune-up limit is $\leq 1/4$ dB higher than GPRS/EDGE or the adjusted SAR of the highest reported SAR of GPRS/EDGE is ≤ 1.2 W/kg.

GSM 1900									
RF Exposure Conditions	Mode	Test Position	Freq. (MHz)	Output Power (dBm)			SAR1g (W/kg)		Plot No.
				Meas.	Turn-up	Scaling Factor	Meas.	Scaled	
Head (0mm)	GSM	Left Cheek	1850.2	30.93	31.0	1.016	0.082	0.083	
		Left Tilt	1850.2	30.93	31.0	1.016	0.11	0.112	
		Right Cheek	1850.2	30.93	31.0	1.016	0.139	0.141	
		Right Tilt	1850.2	30.93	31.0	1.016	0.137	0.139	
Body (10mm)	GSM	Front	1850.2	30.93	31.0	1.016	0.137	0.139	
		Back	1850.2	30.93	31.0	1.016	0.324	0.329	
	GPRS Slot-4	Front	1880.0	27.21	27.5	1.069	0.289	0.309	
		Back	1880.0	27.21	27.5	1.069	0.502	0.537	
Hotspot (10mm)	GSM	Front	1850.2	30.93	31.0	1.016	0.137	0.139	
		Back	1850.2	30.93	31.0	1.016	0.324	0.329	
	GPRS Slot-4	Front	1880.0	27.21	27.5	1.069	0.289	0.309	
		Back	1880.0	27.21	27.5	1.069	0.502	0.537	
		Left Side	1880.0	27.21	27.5	1.069	0.156	0.167	
		Right Side	1880.0	27.21	27.5	1.069	0.204	0.218	
		Bottom Side	1880.0	27.21	27.5	1.069	1.108	1.185	
		Bottom Side	1850.2	27.11	27.5	1.094	1.141	1.248	5
		Bottom Side	1909.8	27.17	27.5	1.079	1.105	1.192	

Remark:

1. Per FCC KDB Publication 447498 D01, if the reported (scaled) SAR measured at the middle channel or highest output power channel for each test configuration is ≤ 0.8 W/kg then testing at the other channels SAR tests are not necessary.
2. Per KDB 941225 D01, SAR is not required for EDGE mode because the maximum output power and tune-up limit is $\leq 1/4$ dB higher than GPRS/EDGE or the adjusted SAR of the highest reported SAR of GPRS/EDGE is ≤ 1.2 W/kg.

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WCDMA Band II									
RF Exposure Conditions	Mode	Test Position	Freq. (MHz)	Output Power (dBm)			SAR1g (W/kg)		Plot No.
				Meas.	Turn-up	Scaling Factor	Meas.	Scaled	
Head (0mm)	RMC	Left Cheek	1852.4	23.87	24.0	1.030	0.087	0.090	
		Left Tilt	1852.4	23.87	24.0	1.030	0.100	0.103	
		Right Cheek	1852.4	23.87	24.0	1.030	0.069	0.071	
		Right Tilt	1852.4	23.87	24.0	1.030	0.105	0.108	
Body (10mm)	RMC	Front	1852.4	23.87	24.0	1.030	0.152	0.157	
		Back	1852.4	23.87	24.0	1.030	0.561	0.578	
Hotspot (10mm)	RMC	Front	1852.4	23.87	24.0	1.030	0.152	0.157	
		Back	1852.4	23.87	24.0	1.030	0.561	0.578	
		Left Side	1852.4	23.87	24.0	1.030	0.121	0.125	
		Right Side	1852.4	23.87	24.0	1.030	0.163	0.168	
		Bottom Side	1852.4	23.87	24.0	1.030	1.296	1.335	6
		Bottom Side	1880.0	23.73	24.0	1.064	1.229	1.308	
		Bottom Side	1707.6	23.59	24.0	1.099	1.030	1.132	

WCDMA Band IV									
RF Exposure Conditions	Mode	Test Position	Freq. (MHz)	Output Power (dBm)			SAR1g (W/kg)		Plot No.
				Meas.	Turn-up	Scaling Factor	Meas.	Scaled	
Head (0mm)	RMC	Left Cheek	1712.4	23.75	24.0	1.059	0.109	0.115	
		Left Tilt	1712.4	23.75	24.0	1.059	0.116	0.123	
		Right Cheek	1712.4	23.75	24.0	1.059	0.13	0.138	
		Right Tilt	1712.4	23.75	24.0	1.059	0.109	0.115	
Body (10mm)	RMC	Front	1712.4	23.75	24.0	1.059	0.148	0.157	
		Back	1712.4	23.75	24.0	1.059	0.398	0.422	
Hotspot (10mm)	RMC	Front	1712.4	23.75	24.0	1.059	0.148	0.157	
		Back	1712.4	23.75	24.0	1.059	0.398	0.422	
		Left Side	1712.4	23.75	24.0	1.059	0.236	0.250	
		Right Side	1712.4	23.75	24.0	1.059	0.241	0.255	
		Bottom Side	1712.4	23.75	24.0	1.059	0.822	0.871	
		Bottom Side	1740.0	23.67	24.0	1.079	0.925	0.998	7
		Bottom Side	1752.6	23.59	24.0	1.099	0.904	0.994	

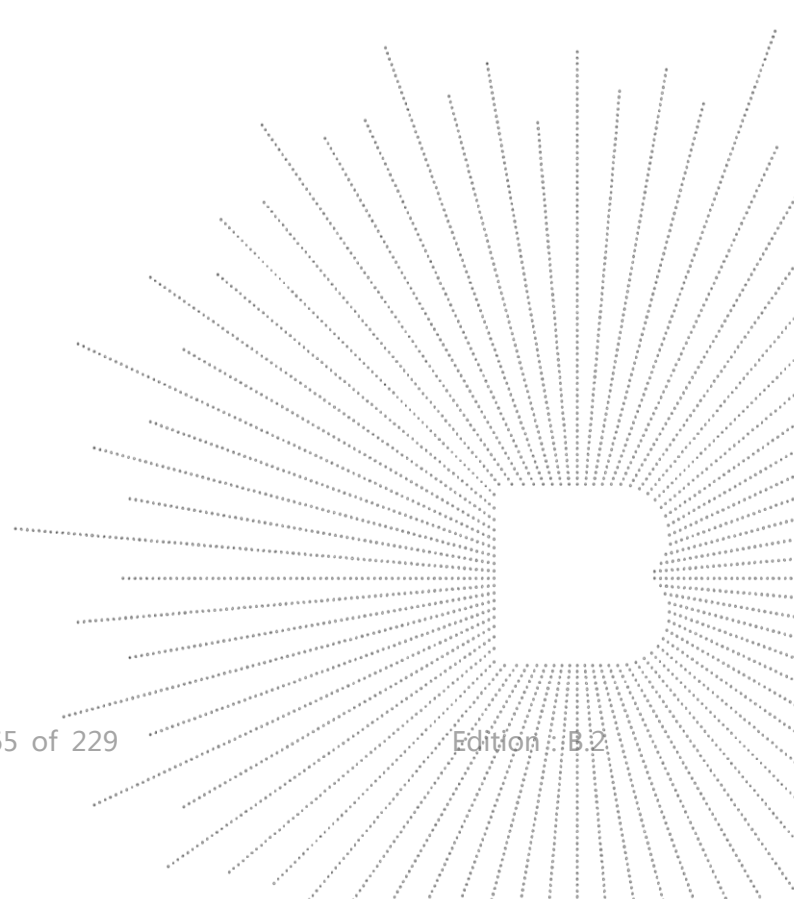
Remark:

- Per FCC KDB Publication 447498 D01, if the reported (scaled) SAR measured at the middle channel or highest output power channel for each test configuration is ≤ 0.8 W/kg then testing at the other channels SAR tests are not necessary.
- Per KDB 941225 D01 v03, the 12.2kbps RMC mode was selected for SAR testing (the primary mode).
- When the maximum output power and tune-up tolerance specified for production units in a secondary mode is $\leq 1/4$ dB higher than the primary mode (RMC12.2kbps) or when the highest reported SAR of the primary mode is scaled by the ratio of specified maximum output power and tune-up tolerance of secondary to primary mode and the adjusted SAR is ≤ 1.2 W/kg, SAR measurement is not required for the secondary mode.

WCDMA Band V									
RF Exposure Conditions	Mode	Test Position	Freq. (MHz)	Output Power (dBm)			SAR1g (W/kg)		Plot No.
				Meas.	Turn-up	Scaling Factor	Meas.	Scaled	
Head (0mm)	RMC	Left Cheek	836.4	24.01	24.5	1.119	0.158	0.177	
		Left Tilt	836.4	24.01	24.5	1.119	0.199	0.223	
		Right Cheek	836.4	24.01	24.5	1.119	0.091	0.102	
		Right Tilt	836.4	24.01	24.5	1.119	0.114	0.128	
Body (10mm)	RMC	Front	836.4	24.01	24.5	1.119	0.225	0.252	8
		Back	836.4	24.01	24.5	1.119	0.213	0.238	
Hotspot (10mm)	RMC	Front	836.4	24.01	24.5	1.119	0.225	0.252	
		Back	836.4	24.01	24.5	1.119	0.213	0.238	
		Left Side	836.4	24.01	24.5	1.119	0.128	0.143	
		Right Side	836.4	24.01	24.5	1.119	0.22	0.246	
		Bottom Side	836.4	24.01	24.5	1.119	0.176	0.197	

Remark:

6. Per FCC KDB Publication 447498 D01, if the reported (scaled) SAR measured at the middle channel or highest output power channel for each test configuration is ≤ 0.8 W/kg then testing at the other channels SAR tests are not necessary.
7. Per KDB 941225 D01 v03, the 12.2kbps RMC mode was selected for SAR testing (the primary mode).
8. When the maximum output power and tune-up tolerance specified for production units in a secondary mode is $\leq 1/4$ dB higher than the primary mode (RMC12.2kbps) or when the highest reported SAR of the primary mode is scaled by the ratio of specified maximum output power and tune-up tolerance of secondary to primary mode and the adjusted SAR is ≤ 1.2 W/kg, SAR measurement is not required for the secondary mode.



LTE Band 2 (20MHz Bandwidth)									
RF Exposure Conditions	Mode	Test Position	Freq. (MHz)	Output Power (dBm)			SAR1g (W/kg)		Plot No.
				Meas.	Turn-up	Scaling Factor	Meas.	Scaled	
Head (0mm)	1RB	Left Cheek	1860	23.62	24.0	1.091	0.09	0.098	
		Left Tilt	1860	23.62	24.0	1.091	0.125	0.136	
		Right Cheek	1860	23.62	24.0	1.091	0.1	0.109	
		Right Tilt	1860	23.62	24.0	1.091	0.11	0.120	
	50%RB	Left Cheek	1860	22.47	22.5	1.007	0.078	0.079	
		Left Tilt	1860	22.47	22.5	1.007	0.097	0.098	
		Right Cheek	1860	22.47	22.5	1.007	0.082	0.083	
		Right Tilt	1860	22.47	22.5	1.007	0.076	0.077	
Body (10mm)	1RB	Front	1860	23.62	24.0	1.091	0.194	0.212	
		Back	1860	23.62	24.0	1.091	0.498	0.544	
	50%RB	Front	1860	22.47	22.5	1.007	0.24	0.242	
		Back	1860	22.47	22.5	1.007	0.438	0.441	
Hotspot (10mm)	1RB	Front	1860	23.62	24.0	1.091	0.194	0.212	
		Back	1860	23.62	24.0	1.091	0.498	0.544	
		Left Side	1860	23.62	24.0	1.091	0.137	0.150	
		Right Side	1860	23.62	24.0	1.091	0.157	0.171	
		Bottom Side	1860	23.62	24.0	1.091	1.239	1.352	9
		Bottom Side	1880	23.56	24.0	1.107	0.997	1.103	
		Bottom Side	1900	23.40	24.0	1.148	1.096	1.258	
	50%RB	Front	1860	22.47	22.5	1.007	0.24	0.242	
		Back	1860	22.47	22.5	1.007	0.438	0.441	
		Left Side	1860	22.47	22.5	1.007	0.141	0.142	
		Right Side	1860	22.47	22.5	1.007	0.152	0.153	
		Bottom Side	1860	22.47	22.5	1.007	0.918	0.924	
		Bottom Side	1880	22.40	22.5	1.023	0.860	0.880	
		Bottom Side	1900	22.32	22.5	1.042	1.034	1.078	
	100%RB	Bottom Side	1860	22.49	22.5	1.002	0.915	0.917	

Remark:

1. Per FCC KDB Publication 447498 D01, if the reported (scaled) SAR measured at the middle channel or highest output power channel for each test configuration is ≤ 0.8 W/kg then testing at the other channels SAR tests are not necessary.
2. Per FCC KDB Publication 941225 D05, maximum output power of 100%RB is smaller than the maximum output power of 1RB and 50%RB, so there is no need to test 100%RB.

LTE Band 4 (20MHz Bandwidth)									
RF Exposure Conditions	Mode	Test Position	Freq. (MHz)	Output Power (dBm)			SAR1g (W/kg)		Plot No.
				Meas.	Turn-up	Scaling Factor	Meas.	Scaled	
Head (0mm)	1RB	Left Cheek	1732.5	23.74	24.0	1.062	0.182	0.193	
		Left Tilt	1732.5	23.74	24.0	1.062	0.113	0.120	
		Right Cheek	1732.5	23.74	24.0	1.062	0.152	0.161	
		Right Tilt	1732.5	23.74	24.0	1.062	0.098	0.104	
	50%RB	Left Cheek	1732.5	22.64	23.0	1.086	0.097	0.105	
		Left Tilt	1732.5	22.64	23.0	1.086	0.103	0.112	
		Right Cheek	1732.5	22.64	23.0	1.086	0.098	0.106	
		Right Tilt	1732.5	22.64	23.0	1.086	0.134	0.146	
Body (10mm)	1RB	Front	1732.5	23.74	24.0	1.062	0.229	0.243	
		Back	1732.5	23.74	24.0	1.062	0.366	0.389	
	50%RB	Front	1732.5	22.64	23.0	1.086	0.242	0.263	
		Back	1732.5	22.64	23.0	1.086	0.258	0.280	
Hotspot (10mm)	1RB	Front	1732.5	23.74	24.0	1.062	0.229	0.243	
		Back	1732.5	23.74	24.0	1.062	0.366	0.389	
		Left Side	1732.5	23.74	24.0	1.062	0.194	0.206	
		Right Side	1732.5	23.74	24.0	1.062	0.23	0.244	
		Bottom Side	1732.5	23.74	24.0	1.062	0.87	0.924	
		Bottom Side	1720.0	23.63	24.0	1.089	0.854	0.930	
		Bottom Side	1745.0	23.54	24.0	1.112	0.882	0.981	10
	50%RB	Front	1732.5	22.64	23.0	1.086	0.242	0.263	
		Back	1732.5	22.64	23.0	1.086	0.258	0.280	
		Left Side	1732.5	22.64	23.0	1.086	0.119	0.129	
		Right Side	1732.5	22.64	23.0	1.086	0.141	0.153	
		Bottom Side	1732.5	22.64	23.0	1.086	0.721	0.783	

Remark:

- Per FCC KDB Publication 447498 D01, if the reported (scaled) SAR measured at the middle channel or highest output power channel for each test configuration is ≤ 0.8 W/kg then testing at the other channels SAR tests are not necessary.
- Per FCC KDB Publication 941225 D05, maximum output power of 100%RB is smaller than the maximum output power of 1RB and 50%RB, so there is no need to test 100%RB.

LTE Band 5 (10MHz Bandwidth)									
RF Exposure Conditions	Mode	Test Position	Freq. (MHz)	Output Power (dBm)			SAR1g (W/kg)		Plot No.
				Meas.	Turn-up	Scaling Factor	Meas.	Scaled	
Head (0mm)	1RB	Left Cheek	844	23.92	24.0	1.019	0.134	0.136	
		Left Tilt	844	23.92	24.0	1.019	0.12	0.122	
		Right Cheek	844	23.92	24.0	1.019	0.101	0.103	
		Right Tilt	844	23.92	24.0	1.019	0.088	0.090	
	50%RB	Left Cheek	829	22.91	23.0	1.021	0.119	0.121	
		Left Tilt	829	22.91	23.0	1.021	0.111	0.113	
		Right Cheek	829	22.91	23.0	1.021	0.083	0.085	
		Right Tilt	829	22.91	23.0	1.021	0.080	0.082	
Body (10mm)	1RB	Front	844	23.92	24.0	1.019	0.196	0.200	
		Back	844	23.92	24.0	1.019	0.187	0.190	
	50%RB	Front	829	22.91	23.0	1.021	0.191	0.195	
		Back	829	22.91	23.0	1.021	0.175	0.179	
Hotspot (10mm)	1RB	Front	844	23.92	24.0	1.019	0.196	0.200	
		Back	844	23.92	24.0	1.019	0.187	0.190	
		Left Side	844	23.92	24.0	1.019	0.105	0.107	
		Right Side	844	23.92	24.0	1.019	0.238	0.242	11
		Bottom Side	844	23.92	24.0	1.019	0.178	0.181	
	50%RB	Front	829	22.91	23.0	1.021	0.191	0.195	
		Back	829	22.91	23.0	1.021	0.175	0.179	
		Left Side	829	22.91	23.0	1.021	0.088	0.090	
		Right Side	829	22.91	23.0	1.021	0.126	0.129	
		Bottom Side	829	22.91	23.0	1.021	0.151	0.154	

Remark:

- Per FCC KDB Publication 447498 D01, if the reported (scaled) SAR measured at the middle channel or highest output power channel for each test configuration is ≤ 0.8 W/kg then testing at the other channels SAR tests are not necessary.
- Per FCC KDB Publication 941225 D05, maximum output power of 100%RB is smaller than the maximum output power of 1RB and 50%RB, so there is no need to test 100%RB.

LTE Band 7 (20MHz Bandwidth)									
RF Exposure Conditions	Mode	Test Position	Freq. (MHz)	Output Power (dBm)			SAR1g (W/kg)		Plot No.
				Meas.	Turn-up	Scaling Factor	Meas.	Scaled	
Head (0mm)	1RB	Left Cheek	2510	23.74	24.0	1.062	0.15	0.159	
		Left Tilt	2510	23.74	24.0	1.062	0.165	0.175	
		Right Cheek	2510	23.74	24.0	1.062	0.162	0.172	
		Right Tilt	2510	23.74	24.0	1.062	0.155	0.165	
	50%RB	Left Cheek	2560	22.59	23.0	1.099	0.115	0.126	
		Left Tilt	2560	22.59	23.0	1.099	0.097	0.107	
		Right Cheek	2560	22.59	23.0	1.099	0.133	0.146	
		Right Tilt	2560	22.59	23.0	1.099	0.135	0.148	
Body (10mm)	1RB	Front	2510	23.74	24.0	1.062	0.424	0.450	
		Back	2510	23.74	24.0	1.062	0.425	0.451	
	50%RB	Front	2510	22.59	23.0	1.099	0.354	0.389	
		Back	2510	22.59	23.0	1.099	0.314	0.345	
Hotspot (10mm)	1RB	Front	2510	23.74	24.0	1.062	0.424	0.450	
		Back	2510	23.74	24.0	1.062	0.425	0.451	
		Left Side	2510	23.74	24.0	1.062	0.188	0.200	
		Right Side	2510	23.74	24.0	1.062	0.242	0.257	
		Bottom Side	2510	23.74	24.0	1.062	0.982	1.043	12
		Bottom Side	2535	23.54	24.0	1.112	0.838	0.932	
		Bottom Side	2560	23.58	24.0	1.102	0.92	1.013	
	50%RB	Front	2510	22.59	23.0	1.099	0.354	0.389	
		Back	2510	22.59	23.0	1.099	0.314	0.345	
		Left Side	2510	2510	22.59	23.0	1.099	0.103	
		Right Side	2510	22.59	23.0	1.099	0.139	0.153	
		Bottom Side	2510	22.59	23.0	1.099	0.739	0.812	
		Bottom Side	2535	22.44	23.0	1.138	0.794	0.903	
		Bottom Side	2560	22.33	23.0	1.167	0.855	0.998	
	100%RB	Bottom Side	2510	22.52	23.0	1.117	0.799	0.892	

Remark:

- Per FCC KDB Publication 447498 D01, if the reported (scaled) SAR measured at the middle channel or highest output power channel for each test configuration is ≤ 0.8 W/kg then testing at the other channels SAR tests are not necessary.
- Per FCC KDB Publication 941225 D05, maximum output power of 100%RB is smaller than the maximum output power of 1RB and 50%RB, so there is no need to test 100%RB.

LTE Band 12 (10MHz Bandwidth)									
RF Exposure Conditions	Mode	Test Position	Freq. (MHz)	Output Power (dBm)			SAR1g (W/kg)		Plot No.
				Meas.	Turn-up	Scaling Factor	Meas.	Scaled	
Head (0mm)	1RB	Left Cheek	707.5	23.85	24.0	1.035	0.083	0.086	
		Left Tilt	707.5	23.85	24.0	1.035	0.081	0.084	
		Right Cheek	707.5	23.85	24.0	1.035	0.099	0.102	
		Right Tilt	707.5	23.85	24.0	1.035	0.147	0.152	
	50%RB	Left Cheek	711	22.77	23.0	1.054	0.082	0.086	
		Left Tilt	711	22.77	23.0	1.054	0.076	0.080	
		Right Cheek	711	22.77	23.0	1.054	0.078	0.082	
		Right Tilt	711	22.77	23.0	1.054	0.090	0.095	
Body (10mm)	1RB	Front	707.5	23.85	24.0	1.035	0.119	0.123	
		Back	707.5	23.85	24.0	1.035	0.284	0.294	13
	50%RB	Front	711	22.77	23.0	1.054	0.101	0.106	
		Back	711	22.77	23.0	1.054	0.127	0.134	
Hotspot (10mm)	1RB	Front	707.5	23.85	24.0	1.035	0.119	0.123	
		Back	707.5	23.85	24.0	1.035	0.284	0.294	
		Left Side	707.5	23.85	24.0	1.035	0.167	0.173	
		Right Side	707.5	23.85	24.0	1.035	0.139	0.144	
		Bottom Side	707.5	23.85	24.0	1.035	0.087	0.090	
	50%RB	Front	711	22.77	23.0	1.054	0.101	0.106	
		Back	711	22.77	23.0	1.054	0.127	0.134	
		Left Side	711	22.77	23.0	1.054	0.128	0.135	
		Right Side	711	22.77	23.0	1.054	0.106	0.112	
		Bottom Side	711	22.77	23.0	1.054	0.083	0.088	

Remark:

- Per FCC KDB Publication 447498 D01, if the reported (scaled) SAR measured at the middle channel or highest output power channel for each test configuration is ≤ 0.8 W/kg then testing at the other channels SAR tests are not necessary.
- Per FCC KDB Publication 941225 D05, maximum output power of 100%RB is smaller than the maximum output power of 1RB and 50%RB, so there is no need to test 100%RB.

LTE Band 17 (10MHz Bandwidth)									
RF Exposure Conditions	Mode	Test Position	Freq. (MHz)	Output Power (dBm)			SAR1g (W/kg)		Plot No.
				Meas.	Turn-up	Scaling Factor	Meas.	Scaled	
Head (0mm)	1RB	Left Cheek	710	23.87	24.0	1.030	0.099	0.102	
		Left Tilt	710	23.87	24.0	1.030	0.085	0.088	
		Right Cheek	710	23.87	24.0	1.030	0.115	0.118	
		Right Tilt	710	23.87	24.0	1.030	0.077	0.079	
	50%RB	Left Cheek	709	22.75	23.0	1.059	0.076	0.081	
		Left Tilt	709	22.75	23.0	1.059	0.073	0.077	
		Right Cheek	709	22.75	23.0	1.059	0.139	0.147	
		Right Tilt	709	22.75	23.0	1.059	0.072	0.076	
Body (10mm)	1RB	Front	710	23.87	24.0	1.030	0.174	0.179	
		Back	710	23.87	24.0	1.030	0.187	0.193	14
	50%RB	Front	709	22.75	23.0	1.059	0.157	0.166	
		Back	709	22.75	23.0	1.059	0.180	0.191	
Hotspot (10mm)	1RB	Front	710	23.87	24.0	1.030	0.174	0.179	
		Back	710	23.87	24.0	1.030	0.187	0.193	
		Left Side	710	23.87	24.0	1.030	0.093	0.096	
		Right Side	710	23.87	24.0	1.030	0.123	0.127	
		Bottom Side	710	23.87	24.0	1.030	0.166	0.171	
	50%RB	Front	709	22.75	23.0	1.059	0.157	0.166	
		Back	709	22.75	23.0	1.059	0.180	0.191	
		Left Side	709	22.75	23.0	1.059	0.085	0.090	
		Right Side	709	22.75	23.0	1.059	0.110	0.117	
		Bottom Side	709	22.75	23.0	1.059	0.156	0.165	

Remark:

1. Per FCC KDB Publication 447498 D01, if the reported (scaled) SAR measured at the middle channel or highest output power channel for each test configuration is ≤ 0.8 W/kg then testing at the other channels SAR tests are not necessary.
2. Per FCC KDB Publication 941225 D05, maximum output power of 100%RB is smaller than the maximum output power of 1RB and 50%RB, so there is no need to test 100%RB.

14.4 SAR Measurement Variability

According to KDB865664, Repeated measurements are required only when the measured SAR is ≥ 0.80 W/kg. If the measured SAR value of the initial repeated measurement is < 1.45 W/kg with $\leq 20\%$ variation, only one repeated measurement is required to reaffirm that the results are not expected to have substantial variations, which may introduce significant compliance concerns. A second repeated measurement is required only if the measured result for the initial repeated measurement is within 10% of the SAR limit and vary by more than 20%, which are often related to device and measurement setup difficulties. The following procedures are applied to determine if repeated measurements are required. The same procedures should be adapted for measurements according to extremity and occupational exposure limits by applying a factor of 2.5 for extremity exposure and a factor of 5 for occupational exposure to the corresponding SAR thresholds.¹⁹ The repeated measurement results must be clearly identified in the SAR report. All measured SAR, including the repeated results, must be considered to determine compliance and for reporting according to KDB 690783. Repeated measurement is not required when the original highest measured SAR is < 0.80 W/kg; steps 2) through 4) do not apply.

- 1) When the original highest measured SAR is ≥ 0.80 W/kg, repeat that measurement once.
- 2) 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 ($\sim 10\%$ from the 1-g SAR limit).
- 3) 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 .
- 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 .

Test Mode	Frequency Band (MHz)	RF Exposure Configuration	Test Position	Repeated SAR (yes/no)	Highest Measured SAR1-g (W/Kg)	First Repeated	
						Measured SAR1-g (W/Kg)	Largest to Smallest SAR Ratio
GSM1900	1850.2	Hotspot	Bottom Side	yes	1.141	1.086	1.051
WCDMA Band 2	1852.4	Hotspot	Bottom Side	yes	1.296	1.260	1.029
WCDMA Band 4	1740	Hotspot	Bottom Side	yes	0.925	0.897	1.031
LTE Band 2	1860	Hotspot	Bottom Side	yes	1.139	1.097	1.038
LTE Band 4	1745	Hotspot	Bottom Side	yes	0.882	0.861	1.024
LTE Band 7	2510	Hotspot	Bottom Side	yes	0.982	0.955	1.028

14.5 Simultaneous Transmission Evaluation

Simultaneous transmission SAR test exclusion is determined for each operating configuration and exposure condition according to the reported standalone SAR of each applicable simultaneous transmitting antenna.

Application Simultaneous Transmission information:

No.	Configurations	Head SAR	Body SAR	Hotspot SAR
1	WWAN+WIFI	Yes	Yes	Yes
2	WWAN+Bluetooth	Yes	Yes	Yes
3	WIFI+Bluetooth	No	No	No

Remark:

1. WWAN cannot transmit simultaneously.
2. Bluetooth and WIFI share the same antenna and cannot transmit data at the same time.
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.
 - 0.4 W/kg for 1-g SAR and 1.0 W/kg for 10-g SAR, when the test separation distances is $> 50 \text{ mm}$

Estimated stand alone SAR						
Mode	Frequency (MHz)	Maximum Power (dBm)	Maximum Power (mW)	Separation Distance (mm)	X	Estimated SAR1-g (W/kg)
Bluetooth	2480	1.0	1.26	5	3	0.053
Bluetooth	2480	1.0	1.26	10	7.5	0.026

Note:

1. Bluetooth*- Including Lower power Bluetooth
2. Maximum average power including tune-up tolerance;
3. When the minimum test separation distance is $< 5 \text{ mm}$, a distance of 5 mm is applied to determine SAR test exclusion

4. Per FCC KD B447498 D01, simultaneous transmission SAR test exclusion may be applied when the sum of the 1-g SAR for all the transmitting antenna in a specific a physical test configuration is $\leq 1.6 \text{ W/Kg}$. When the sum is greater than the SAR limit, SAR test exclusion is determined by the SAR to peak location separation ratio.

$$\text{Ratio} = \frac{(\text{SAR}_1 + \text{SAR}_2)^{1.5}}{(\text{peak location separation, mm})} < 0.04$$

5. Simultaneous transmission of maximum SAR sum calculation.

RF Exposure Conditions	Test Position	WWAN	WIFI 2.4G	Summed SAR (W/kg)	SAR1-g Limit (W/kg)
		Scaled SAR (W/kg)	Scaled SAR (W/kg)		
Head	Left Cheek	0.193	0.211	0.404	1.6
	Left Tilt	0.223	0.117	0.340	1.6
	Right Cheek	0.172	0.257	0.429	1.6
	Right Tilt	0.165	0.238	0.403	1.6
Body	Front	0.450	0.200	0.650	1.6
	Back	0.578	0.088	0.666	1.6
Hotspot	Front	0.450	0.200	0.650	1.6
	Back	0.578	0.088	0.666	1.6
	Left Side	0.206	/	0.206	1.6
	Right Side	0.257	0.179	0.436	1.6
	Top Side	/	0.145	0.145	1.6
	Bottom Side	1.352	/	1.352	1.6

RF Exposure Conditions	Test Position	WWAN	WIFI 5G	Summed SAR (W/kg)	SAR1-g Limit (W/kg)
		Scaled SAR (W/kg)	Scaled SAR (W/kg)		
Head	Left Cheek	0.193	0.595	0.788	1.6
	Left Tilt	0.223	0.425	0.648	1.6
	Right Cheek	0.172	0.443	0.615	1.6
	Right Tilt	0.165	0.593	0.758	1.6
Body	Front	0.450	0.270	0.720	1.6
	Back	0.578	0.392	0.970	1.6
Hotspot	Front	0.450	0.270	0.720	1.6
	Back	0.578	0.392	0.970	1.6
	Left Side	0.206	/	0.206	1.6
	Right Side	0.257	0.297	0.554	1.6
	Top Side	/	0.283	0.283	1.6
	Bottom Side	1.352	/	1.352	1.6

15. Test Plots

15.1 System Performance Check

System check at 750 MHz

Date of measurement: 6/11/2024

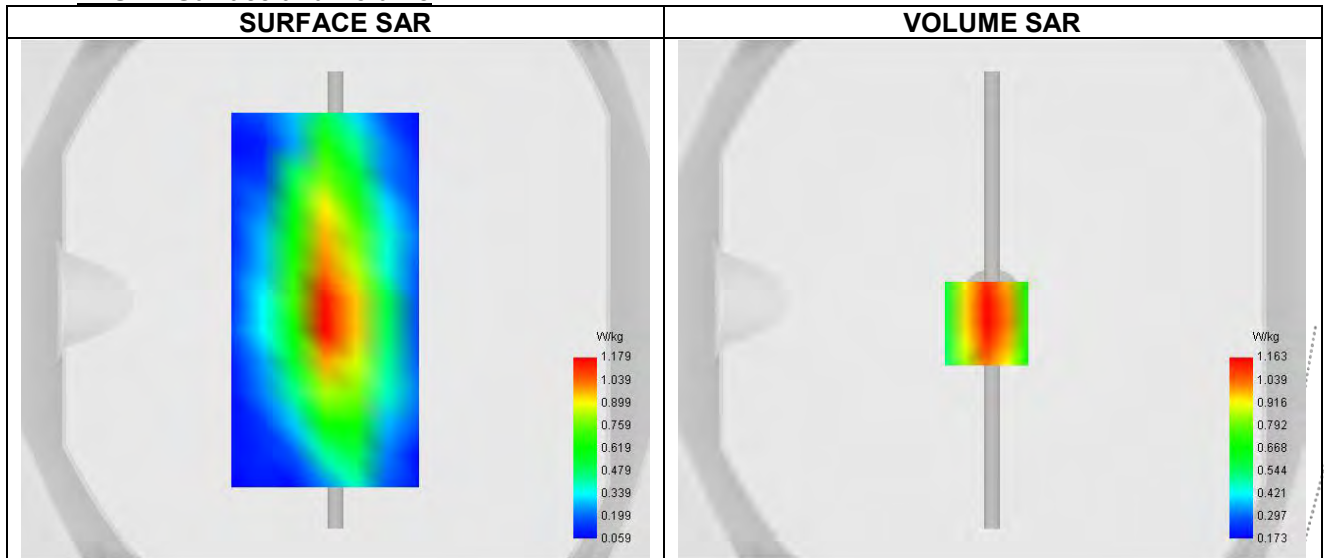
A. Experimental conditions.

Probe	SN 26/23 EPGO420
ConvF	0.87
Area Scan	surf_sam_plan.txt
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5mm
Phantom	Validation plane
Device Position	Dipole
Band	CW750
Signal	CW

B. Permittivity

Frequency (MHz)	750.000
Relative permittivity (real part)	41.112
Relative permittivity (imaginary part)	24.595
Conductivity (S/m)	0.921

C. SAR Surface and Volume



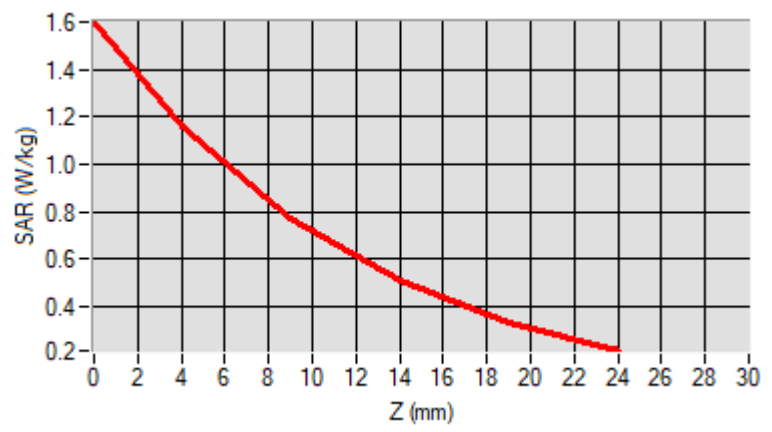
Maximum location: X=-2.00, Y=-9.00 ; SAR Peak: 1.61 W/kg

D. SAR 1g & 10g

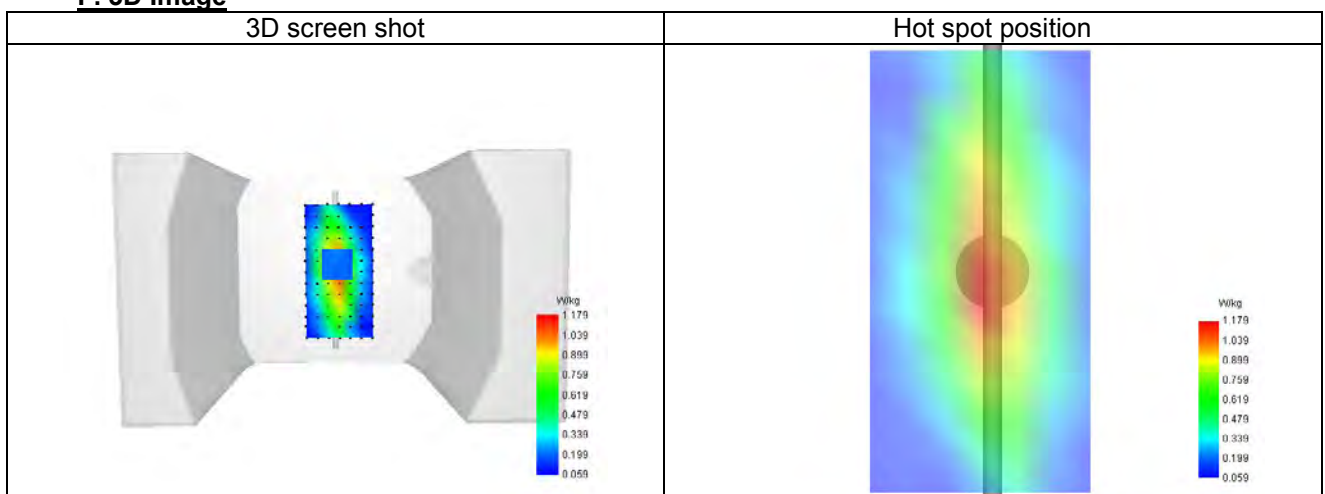
SAR 10g (W/Kg)	0.870
SAR 1g (W/Kg)	2.209
Variation (%)	1.332
Horizontal validation criteria: minimum distance (mm)	0.000000
Vertical validation criteria: SAR ratio M2/M1 (%)	0.000000

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	1.603	1.163	0.769	0.506	0.333



F. 3D Image



System check at 835 MHz

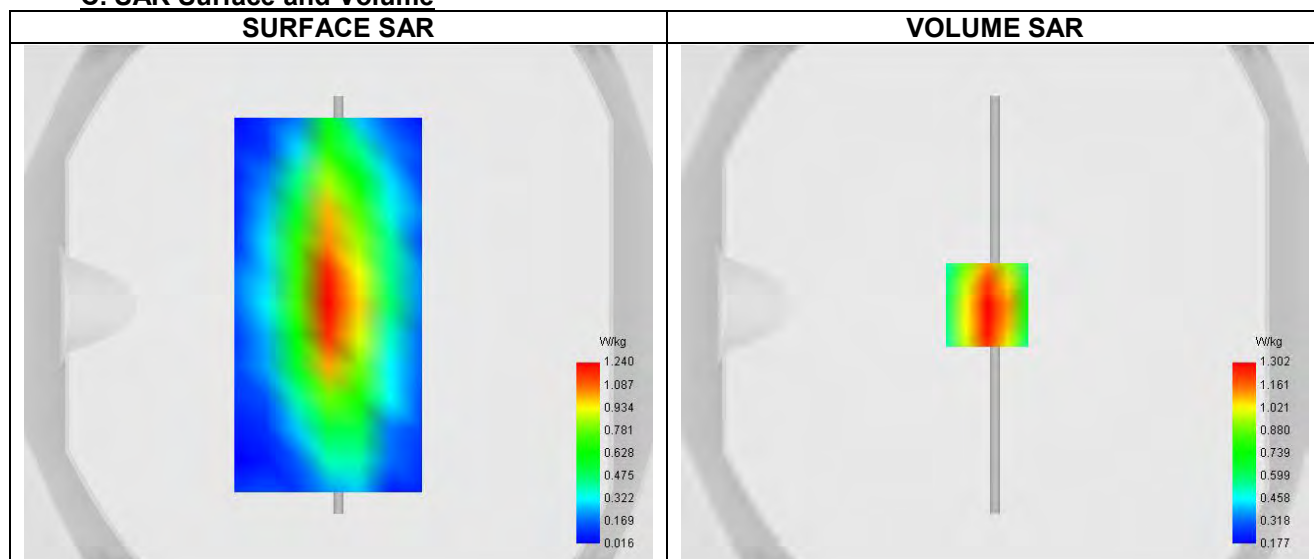
Date of measurement: 4/11/2024

A. Experimental conditions.

Probe	SN 26/23 EPGO420
ConvF	0.80
Area Scan	surf_sam_plan.txt
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5mm
Phantom	Validation plane
Device Position	Dipole
Band	CW835
Signal	CW

B. Permittivity

Frequency (MHz)	835.000
Relative permittivity (real part)	42.303
Relative permittivity (imaginary part)	20.910
Conductivity (S/m)	0.936

C. SAR Surface and Volume


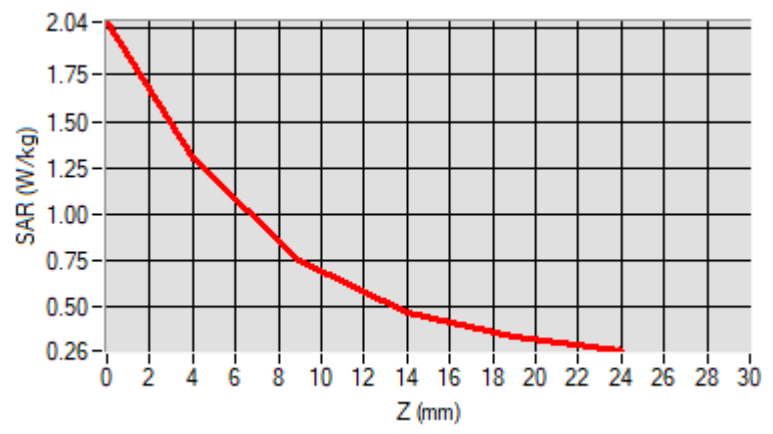
Maximum location: X=-3.00, Y=0.00 ; SAR Peak: 2.06 W/kg

D. SAR 1g & 10g

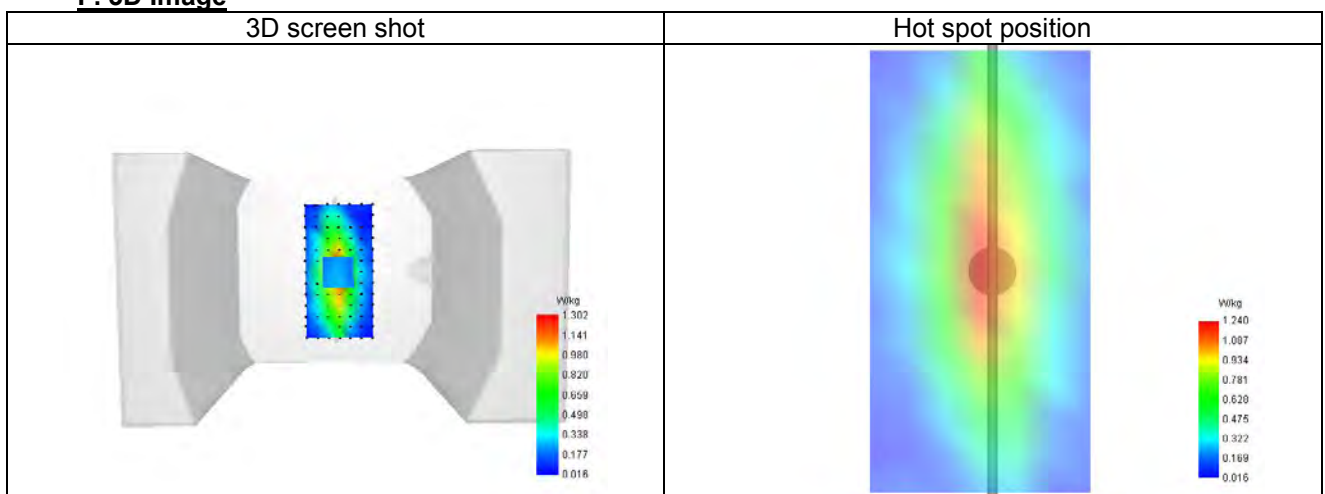
SAR 10g (W/Kg)	0.765
SAR 1g (W/Kg)	2.577
Variation (%)	1.548
Horizontal validation criteria: minimum distance (mm)	0.000000
Vertical validation criteria: SAR ratio M2/M1 (%)	0.000000

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	2.036	1.302	0.747	0.462	0.331



F. 3D Image



System check at 1800 MHz

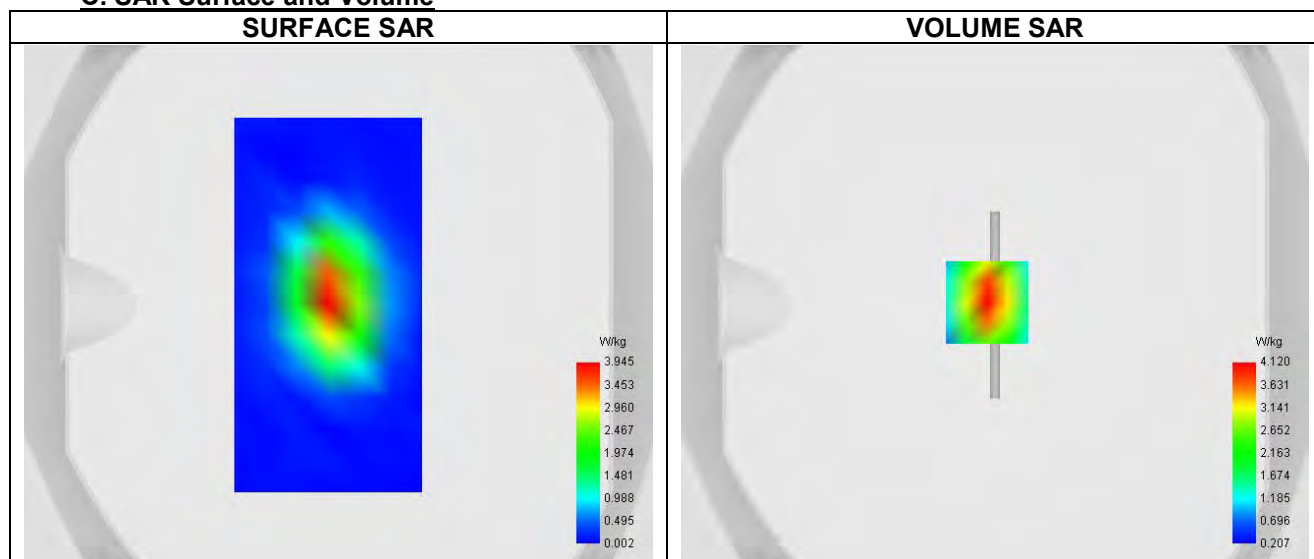
Date of measurement: 6/11/2024

A. Experimental conditions.

Probe	SN 26/23 EPGO420
ConvF	1.01
Area Scan	surf_sam_plan.txt
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5mm
Phantom	Validation plane
Device Position	Dipole
Band	CW1800
Signal	CW

B. Permittivity

Frequency (MHz)	1800.000
Relative permittivity (real part)	41.479
Relative permittivity (imaginary part)	15.200
Conductivity (S/m)	1.377

C. SAR Surface and Volume


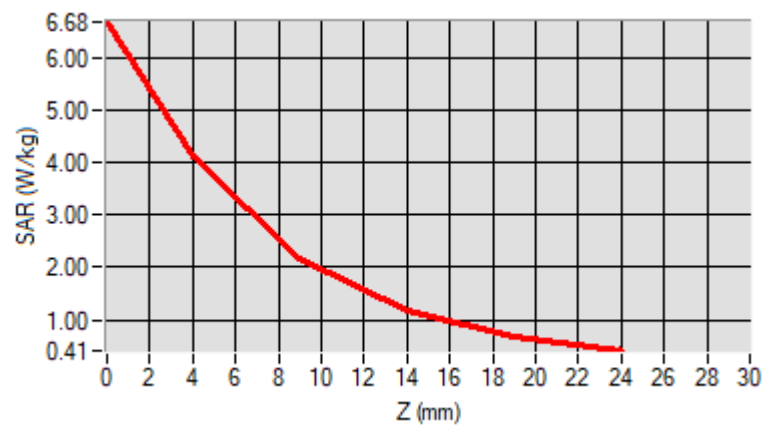
Maximum location: X=-3.00, Y=1.00 ; SAR Peak: 6.69 W/kg

D. SAR 1g & 10g

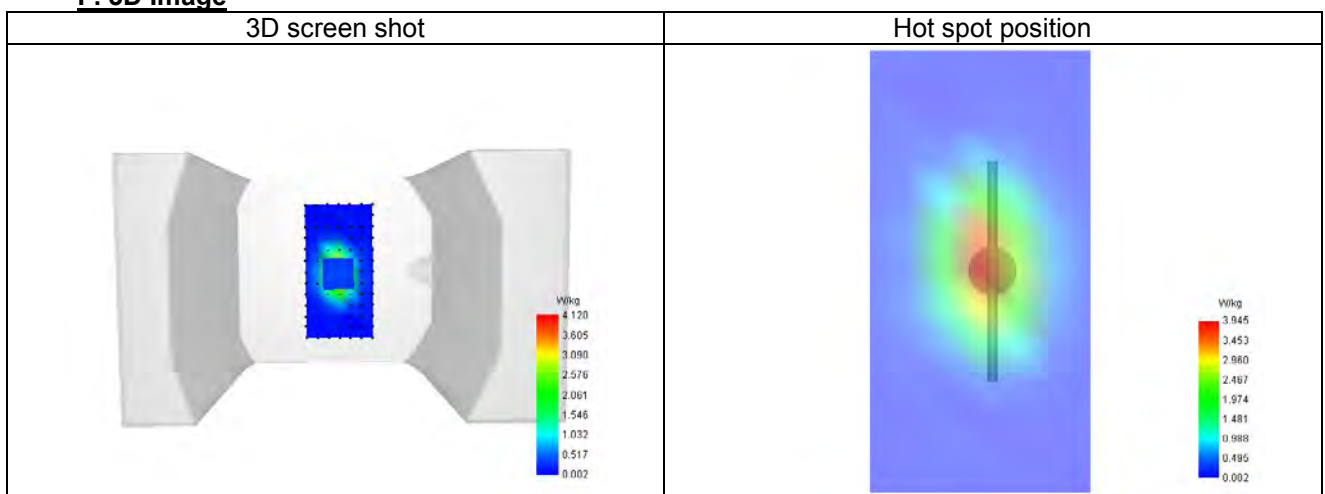
SAR 10g (W/Kg)	4.445
SAR 1g (W/Kg)	9.691
Variation (%)	0.911
Horizontal validation criteria: minimum distance (mm)	0.000000
Vertical validation criteria: SAR ratio M2/M1 (%)	0.000000

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	6.684	4.120	2.184	1.177	0.685



F. 3D Image



System check at 1900 MHz

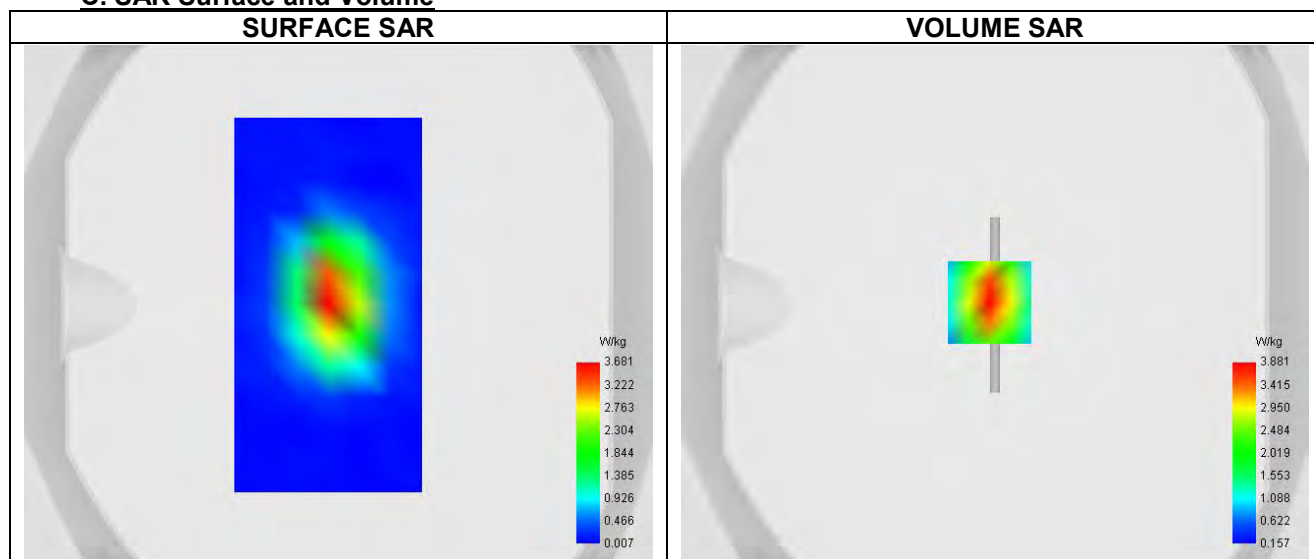
Date of measurement: 7/11/2024

A. Experimental conditions.

Probe	SN 26/23 EPGO420
ConvF	1.11
Area Scan	surf_sam_plan.txt
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5mm
Phantom	Validation plane
Device Position	Dipole
Band	CW1900
Signal	CW

B. Permittivity

Frequency (MHz)	1900.000
Relative permittivity (real part)	40.795
Relative permittivity (imaginary part)	14.400
Conductivity (S/m)	1.358

C. SAR Surface and Volume


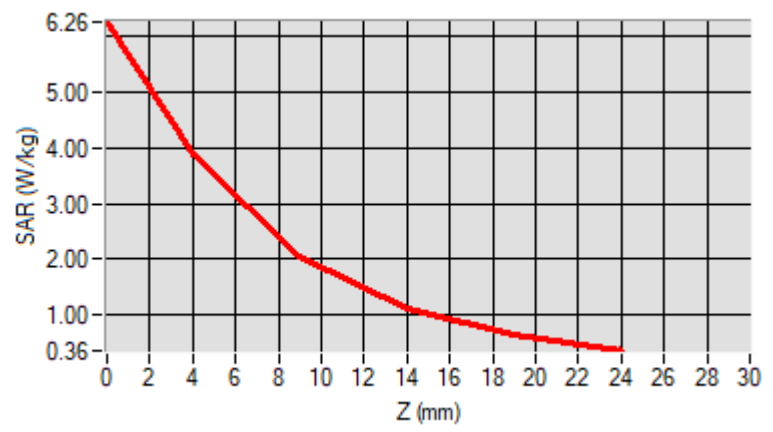
Maximum location: X=-2.00, Y=1.00 ; SAR Peak: 6.27 W/kg

D. SAR 1g & 10g

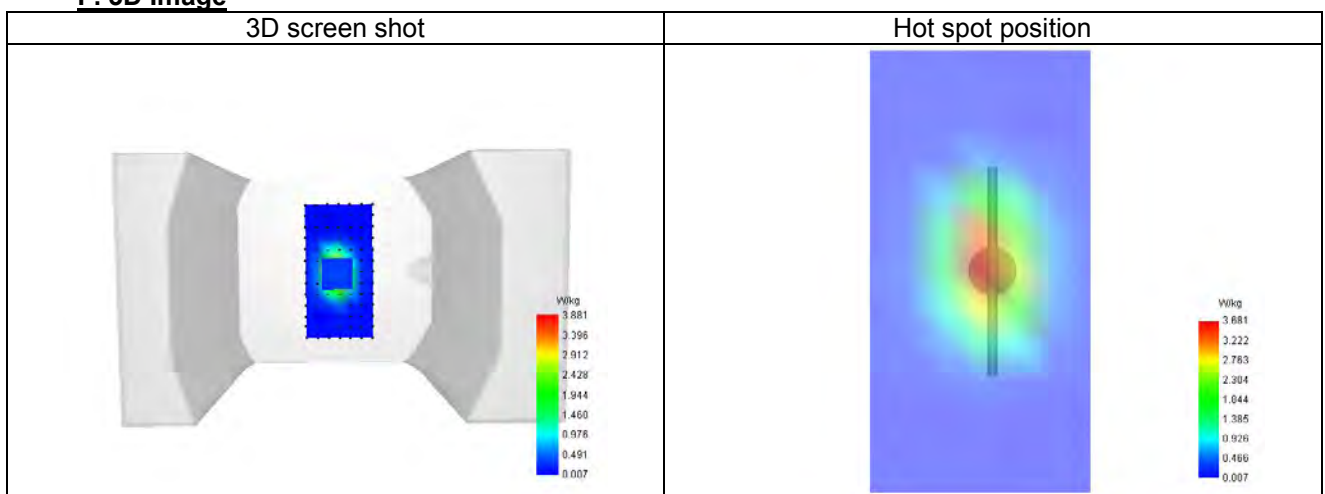
SAR 10g (W/Kg)	4.698
SAR 1g (W/Kg)	10.266
Variation (%)	-0.985
Horizontal validation criteria: minimum distance (mm)	0.000000
Vertical validation criteria: SAR ratio M2/M1 (%)	0.000000

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	6.259	3.881	2.069	1.111	0.634



F. 3D Image



System check at 2450 MHz

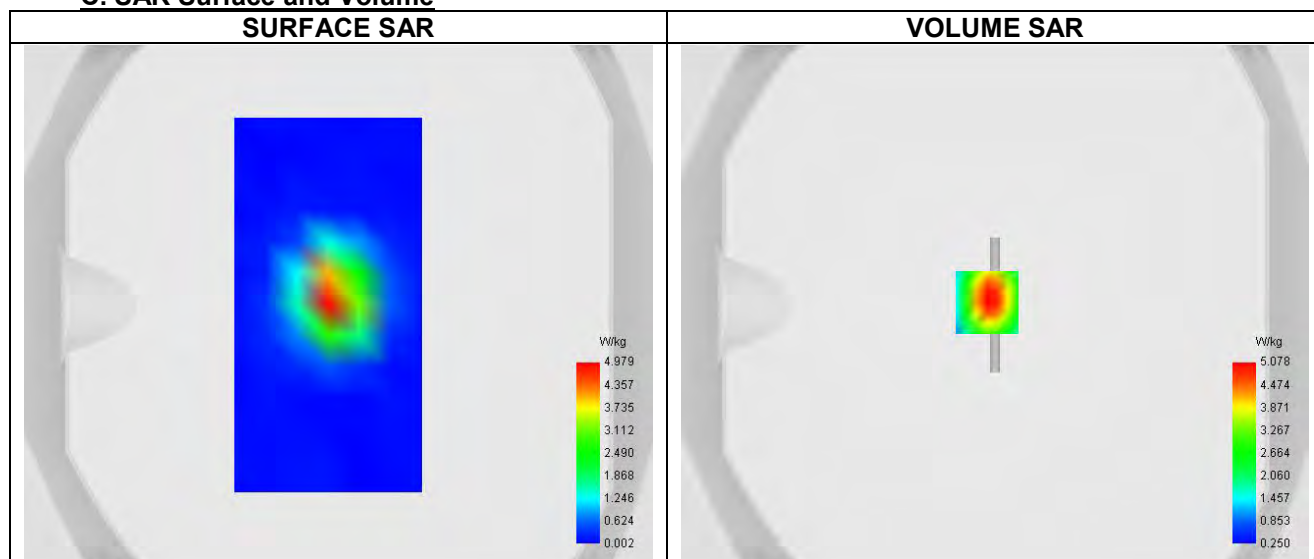
Date of measurement: 8/11/2024

A. Experimental conditions.

Probe	SN 26/23 EPG0420
ConvF	1.32
Area Scan	surf_sam_plan.txt
Zoom Scan	7x7x12,dx=4mm dy=4mm dz=5mm
Phantom	Validation plane
Device Position	Dipole
Band	CW2450
Signal	CW

B. Permittivity

Frequency (MHz)	2450.000
Relative permittivity (real part)	39.979
Relative permittivity (imaginary part)	14.330
Conductivity (S/m)	1.775

C. SAR Surface and Volume


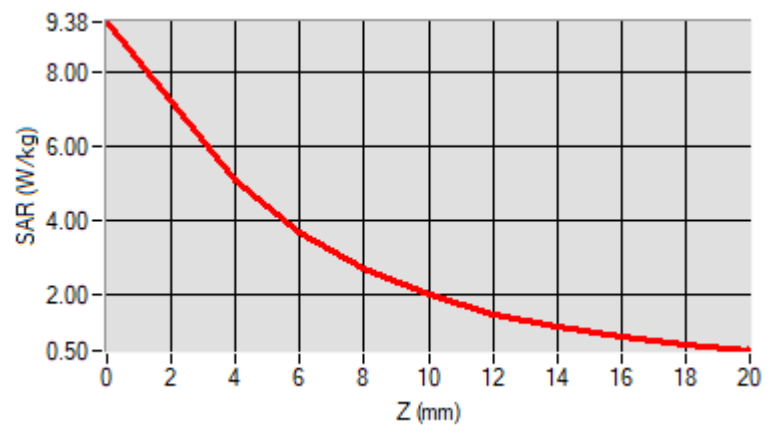
Maximum location: X=-3.00, Y=1.00 ; SAR Peak: 9.50 W/kg

D. SAR 1g & 10g

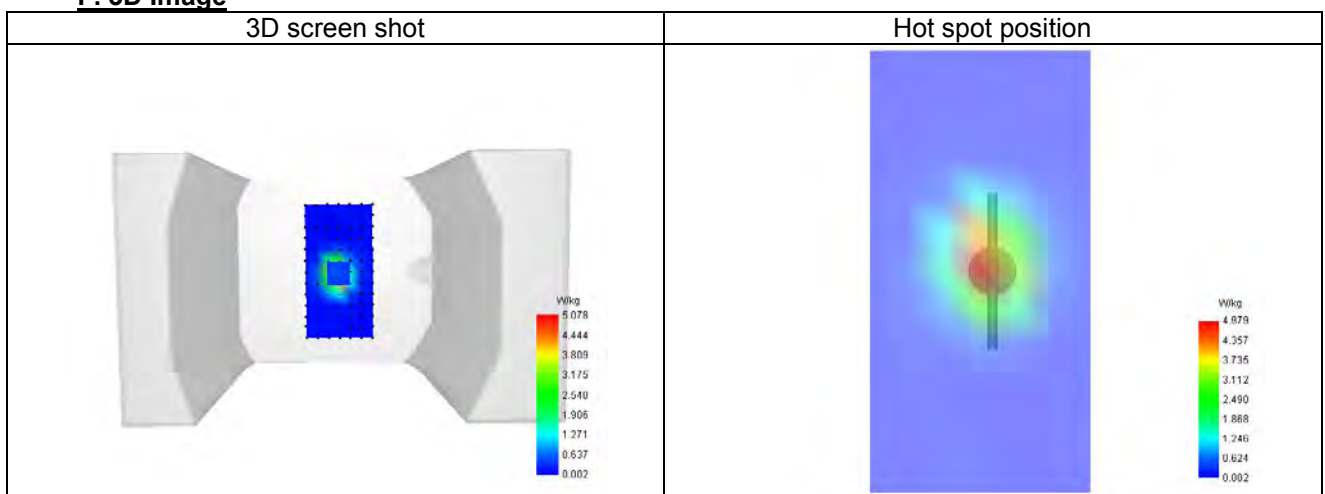
SAR 10g (W/Kg)	6.965
SAR 1g (W/Kg)	13.224
Variation (%)	0.487
Horizontal validation criteria: minimum distance (mm)	0.000000
Vertical validation criteria: SAR ratio M2/M1 (%)	0.000000

E. Z Axis Scan

Z (mm)	0.00	4.00	6.00	8.00	10.00	12.00	14.00	16.00	18.00
SAR (W/Kg)	9.380	5.078	3.712	2.709	2.001	1.499	1.138	0.871	0.667



F. 3D Image



System check at 2600 MHz

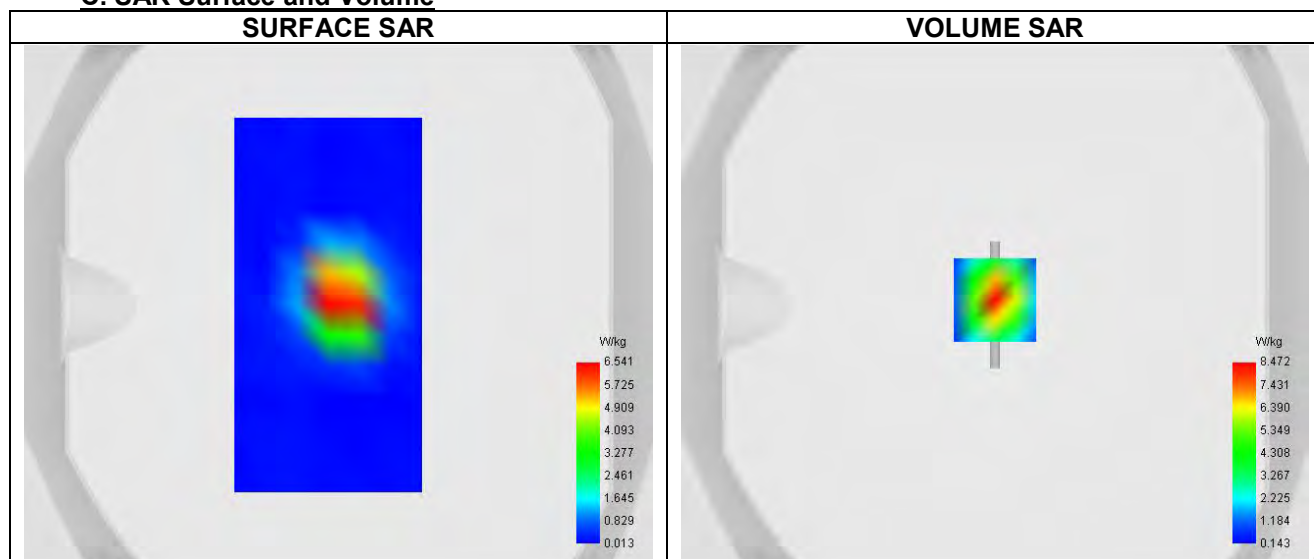
Date of measurement: 8/11/2024

A. Experimental conditions.

Probe	SN 26/23 EPGO420
ConvF	1.19
Area Scan	surf_sam_plan.txt
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5mm
Phantom	Validation plane
Device Position	Dipole
Band	CW2600
Signal	CW

B. Permittivity

Frequency (MHz)	2600.000
Relative permittivity (real part)	39.875
Relative permittivity (imaginary part)	14.889
Conductivity (S/m)	1.965

C. SAR Surface and Volume


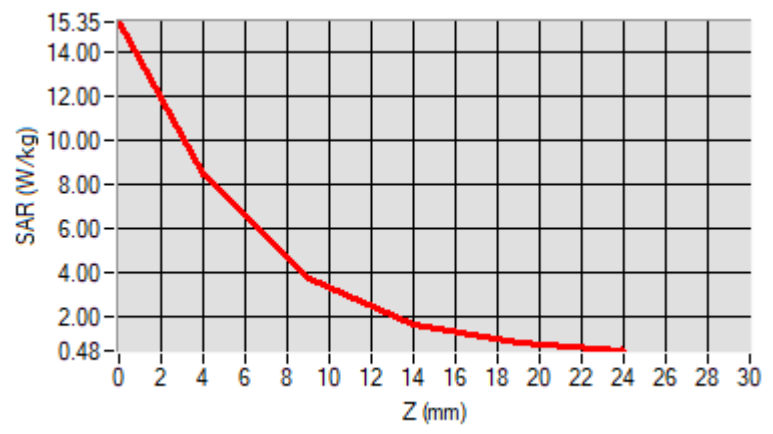
Maximum location: X=0.00, Y=2.00 ; SAR Peak: 15.35 W/kg

D. SAR 1g & 10g

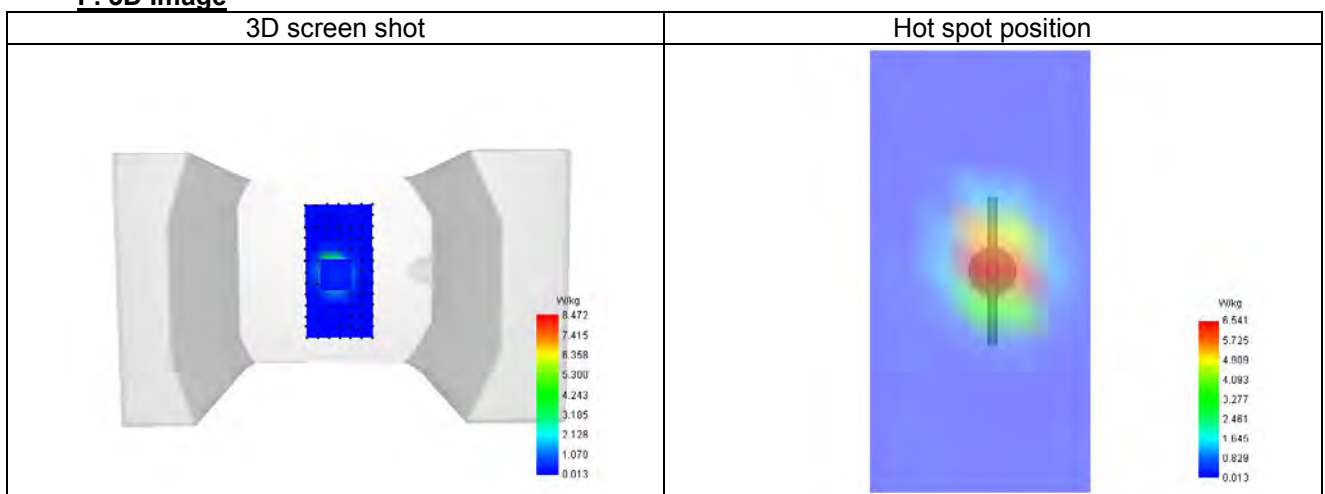
SAR 10g (W/Kg)	6.664
SAR 1g (W/Kg)	14.825
Variation (%)	-0.081
Horizontal validation criteria: minimum distance (mm)	0.000000
Vertical validation criteria: SAR ratio M2/M1 (%)	0.000000

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	15.347	8.472	3.768	1.677	0.856



F. 3D Image



System check at 5200 MHz

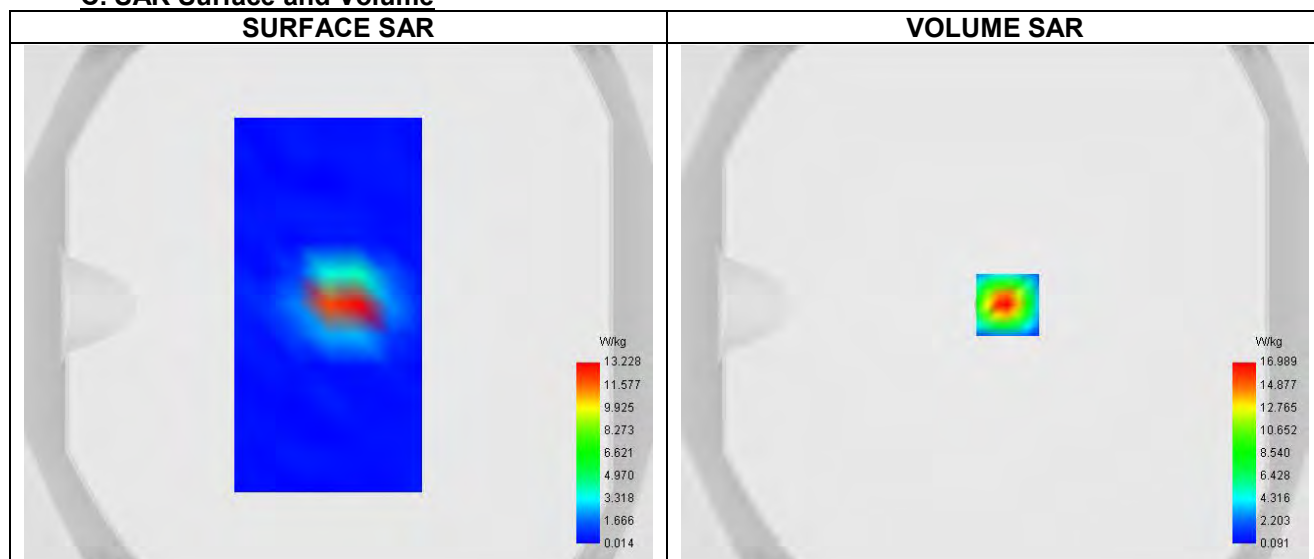
Date of measurement: 8/11/2024

A. Experimental conditions.

Probe	SN 26/23 EPG0420
ConvF	0.97
Area Scan	surf_sam_plan.txt
Zoom Scan	7x7x12,dx=4mm dy=4mm dz=2mm
Phantom	Validation plane
Device Position	Dipole
Band	CW5200
Signal	CW

B. Permittivity

Frequency (MHz)	5200.000
Relative permittivity (real part)	37.093
Relative permittivity (imaginary part)	18.140
Conductivity (S/m)	4.667

C. SAR Surface and Volume


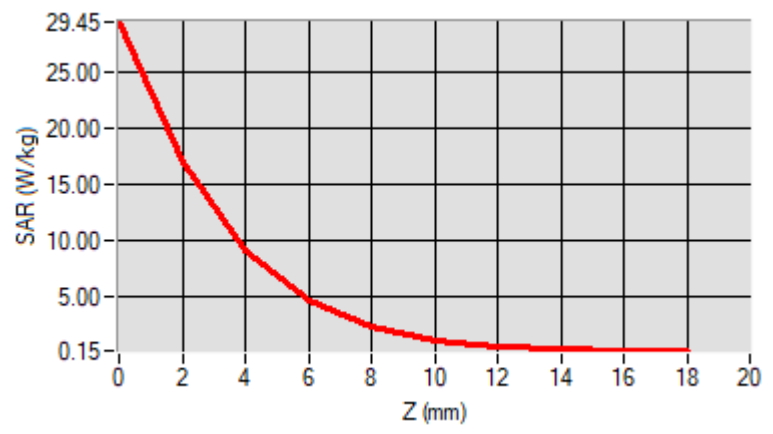
Maximum location: X=5.00, Y=0.00 ; SAR Peak: 30.79 W/kg

D. SAR 1g & 10g

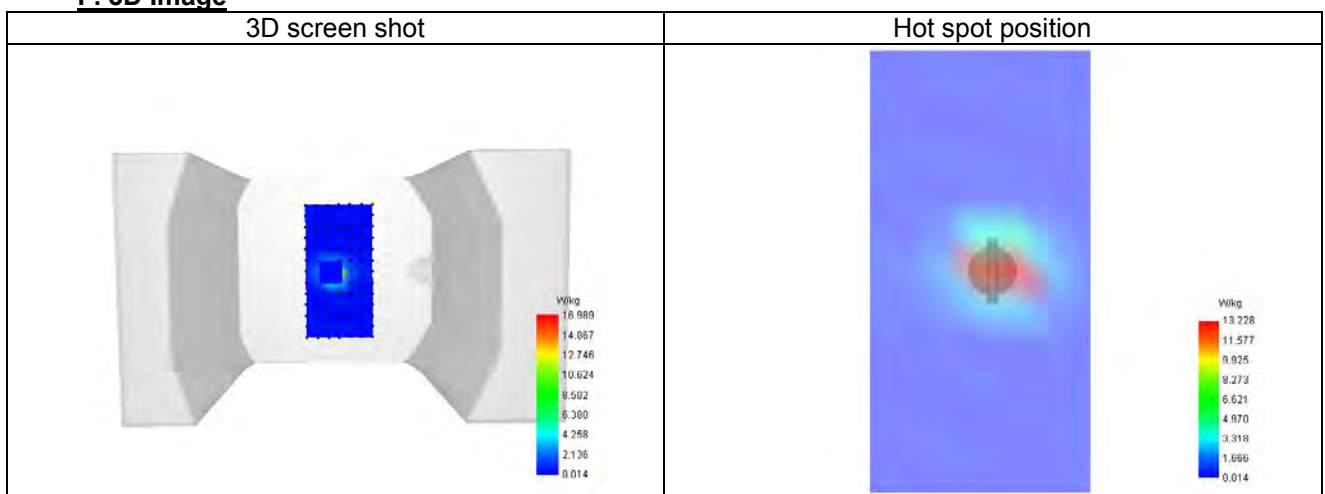
SAR 10g (W/Kg)	8.640
SAR 1g (W/Kg)	18.902
Variation (%)	1.384
Horizontal validation criteria: minimum distance (mm)	0.000000
Vertical validation criteria: SAR ratio M2/M1 (%)	0.000000

E. Z Axis Scan

Z (mm)	0.00	2.00	4.00	6.00	8.00	10.00	12.00	14.00	16.00
SAR (W/Kg)	29.452	16.989	9.130	4.585	2.232	1.083	0.552	0.315	0.209



F. 3D Image



System check at 5800 MHz

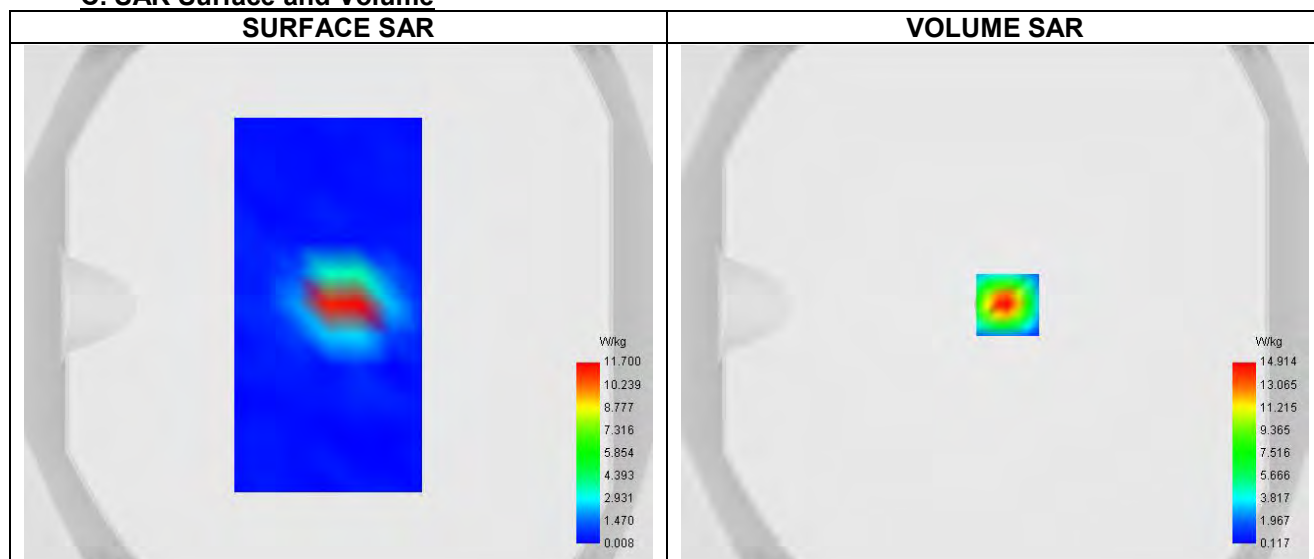
Date of measurement: 8/11/2024

A. Experimental conditions.

Probe	SN 26/23 EPG0420
ConvF	1.05
Area Scan	surf_sam_plan.txt
Zoom Scan	7x7x12,dx=4mm dy=4mm dz=2mm
Phantom	Validation plane
Device Position	Dipole
Band	CW5800
Signal	CW

B. Permittivity

Frequency (MHz)	5800.000
Relative permittivity (real part)	36.068
Relative permittivity (imaginary part)	18.620
Conductivity (S/m)	5.237

C. SAR Surface and Volume


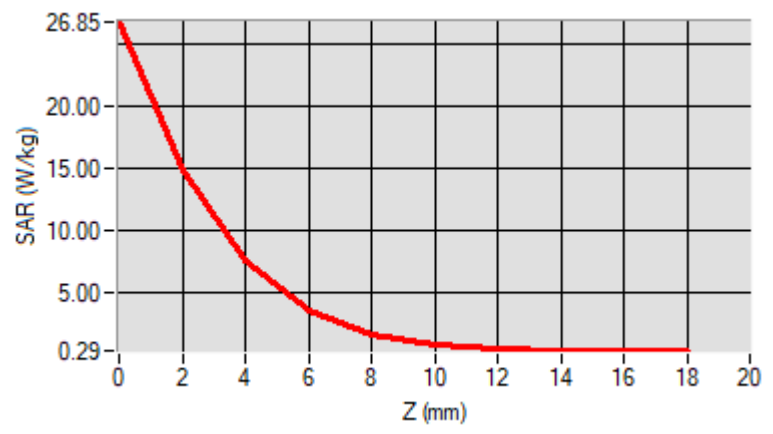
Maximum location: X=5.00, Y=0.00 ; SAR Peak: 28.22 W/kg

D. SAR 1g & 10g

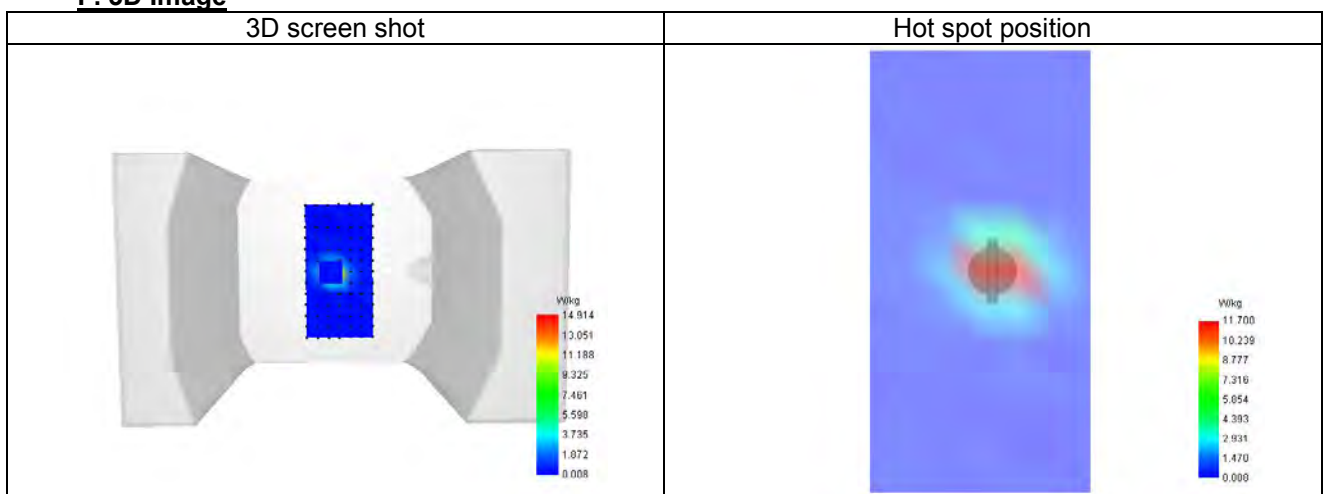
SAR 10g (W/Kg)	8.651
SAR 1g (W/Kg)	20.047
Variation (%)	-0.249
Horizontal validation criteria: minimum distance (mm)	0.000000
Vertical validation criteria: SAR ratio M2/M1 (%)	0.000000

E. Z Axis Scan

Z (mm)	0.00	2.00	4.00	6.00	8.00	10.00	12.00	14.00	16.00
SAR (W/Kg)	26.852	14.914	7.581	3.559	1.627	0.770	0.423	0.303	0.288



F. 3D Image



15.2 SAR Test Graph Results

Plot 1

Date of measurement: 8/11/2024

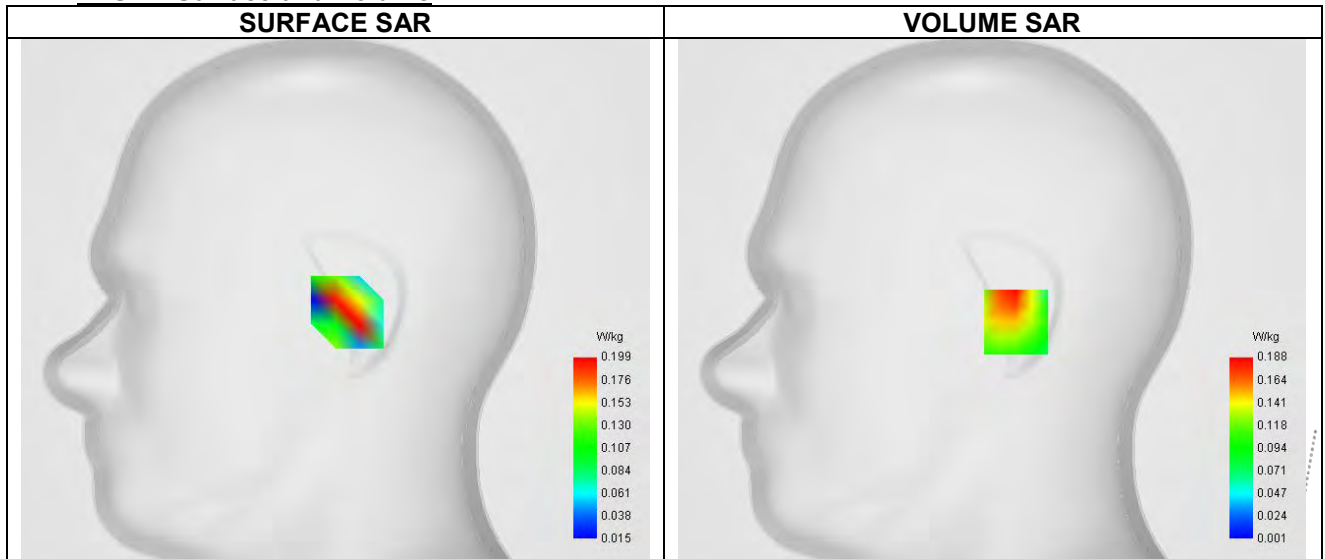
A. Experimental conditions.

Probe	SN 26/23 EPGO420
ConvF	1.11
Area Scan	dx=12mm dy=12mm, Adaptative 1 max
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5.0mm
Phantom	Right head
Device Position	Cheek
Band	ISM
Signal	IEEE 802.11 b

B. Permittivity

Frequency (MHz)	2437.000
Relative permittivity (real part)	39.979
Relative permittivity (imaginary part)	13.207
Conductivity (S/m)	1.775

C. SAR Surface and Volume



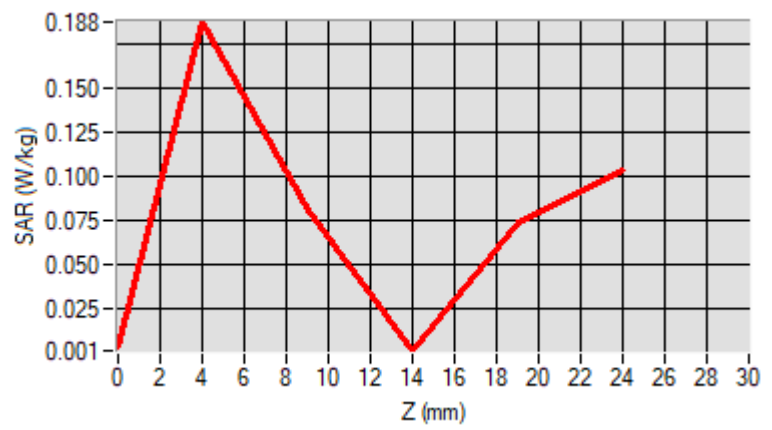
Maximum location: X=12.00, Y=-11.00 ; SAR Peak: 0.63 W/kg

D. SAR 1g & 10g

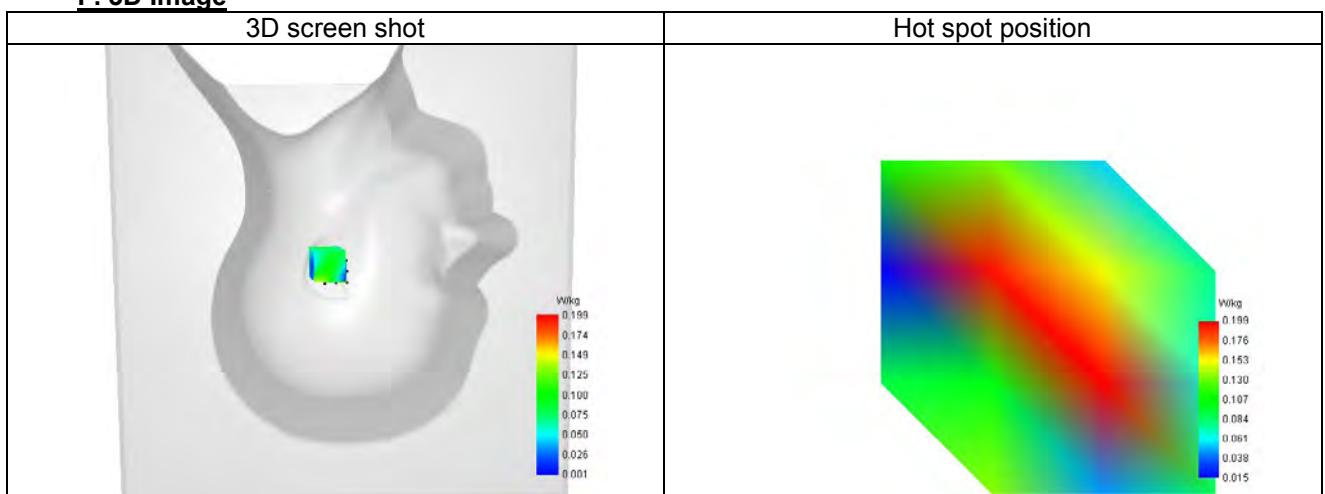
SAR 10g (W/Kg)	0.132
SAR 1g (W/Kg)	0.236
Variation (%)	2.690
Horizontal validation criteria: minimum distance (mm)	0.000000
Vertical validation criteria: SAR ratio M2/M1 (%)	0.000000

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	0.003	0.188	0.081	0.001	0.074



F. 3D Image



STING
C
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A

Plot 2

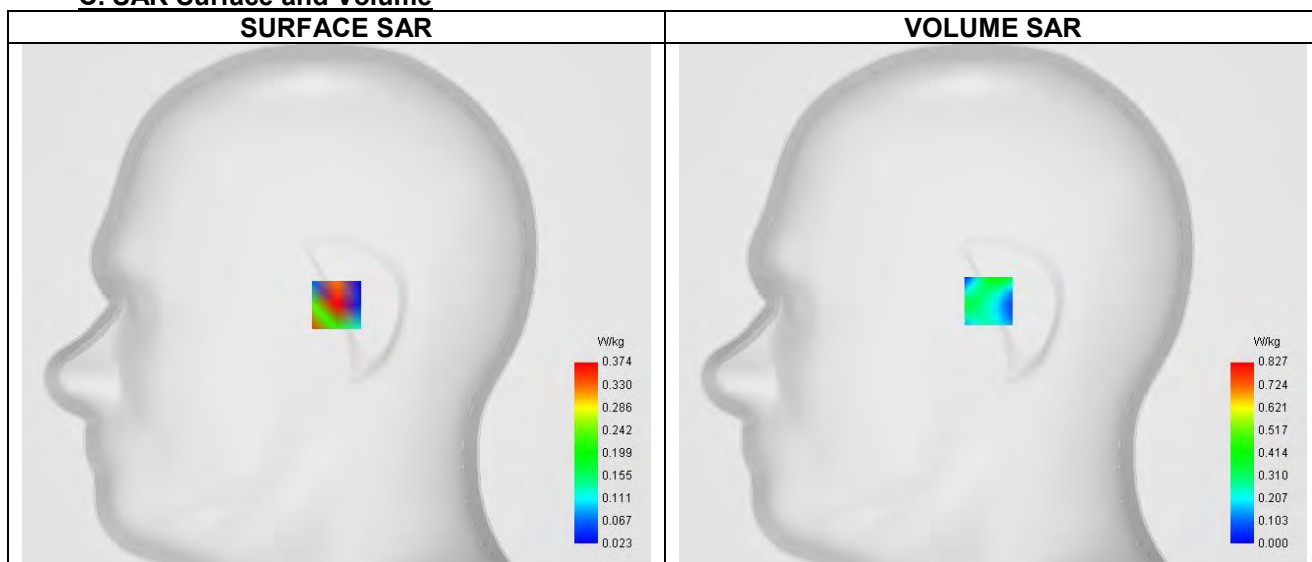
Date of measurement: 8/11/2024

A. Experimental conditions.

Probe	SN 26/23 EPGO420
ConvF	1.18
Area Scan	dx=12mm dy=12mm, Adaptative 1 max
Zoom Scan	7x7x12,dx=4mm dy=4mm dz=2.0mm
Phantom	Right head
Device Position	Tilt
Band	5200
Signal	--

B. Permittivity

Frequency (MHz)	5240.000
Relative permittivity (real part)	37.093
Relative permittivity (imaginary part)	16.130
Conductivity (S/m)	4.667

C. SAR Surface and Volume


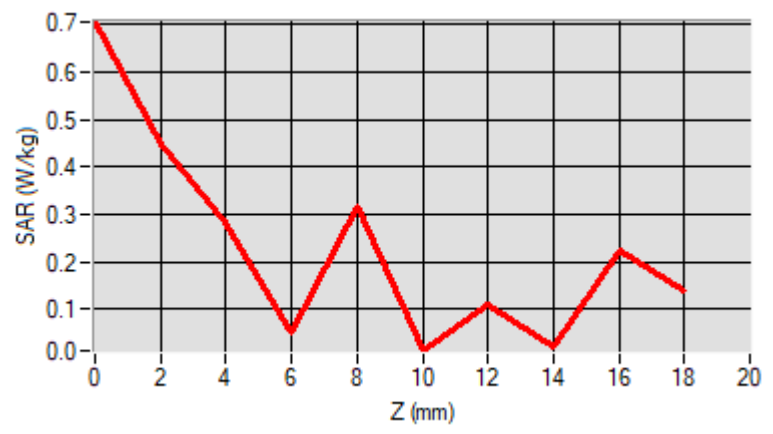
Maximum location: X=-2.00, Y=2.00 ; SAR Peak: 1.59 W/kg

D. SAR 1g & 10g

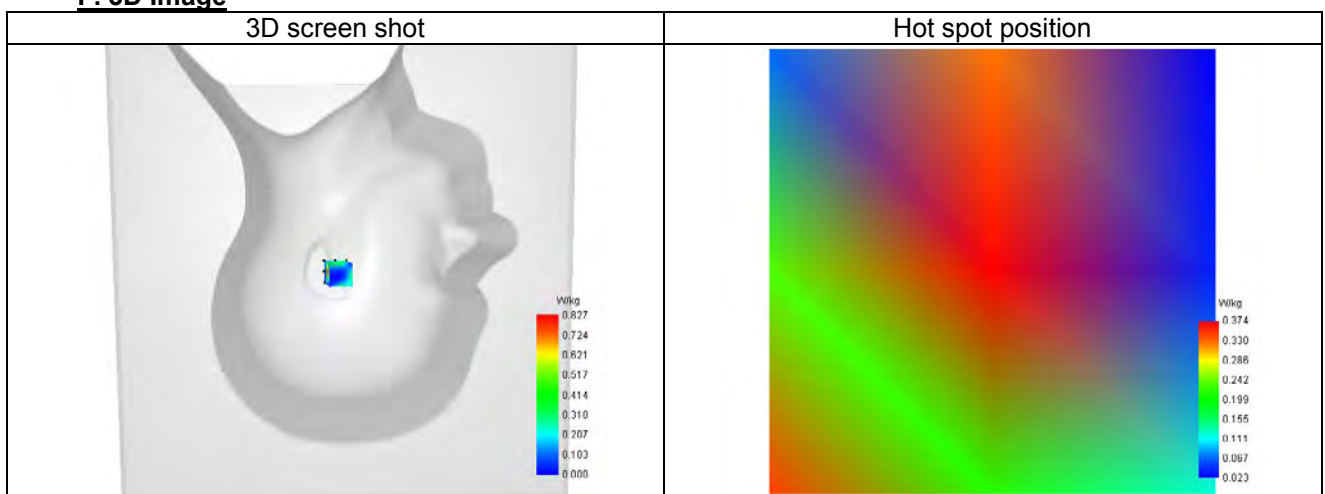
SAR 10g (W/Kg)	0.202
SAR 1g (W/Kg)	0.458
Variation (%)	-2.510
Horizontal validation criteria: minimum distance (mm)	0.000000
Vertical validation criteria: SAR ratio M2/M1 (%)	0.000000

E. Z Axis Scan

Z (mm)	0.00	2.00	4.00	6.00	8.00	10.00	12.00	14.00	16.00
SAR (W/Kg)	0.706	0.447	0.285	0.050	0.315	0.013	0.111	0.024	0.224



F. 3D Image



Plot 3

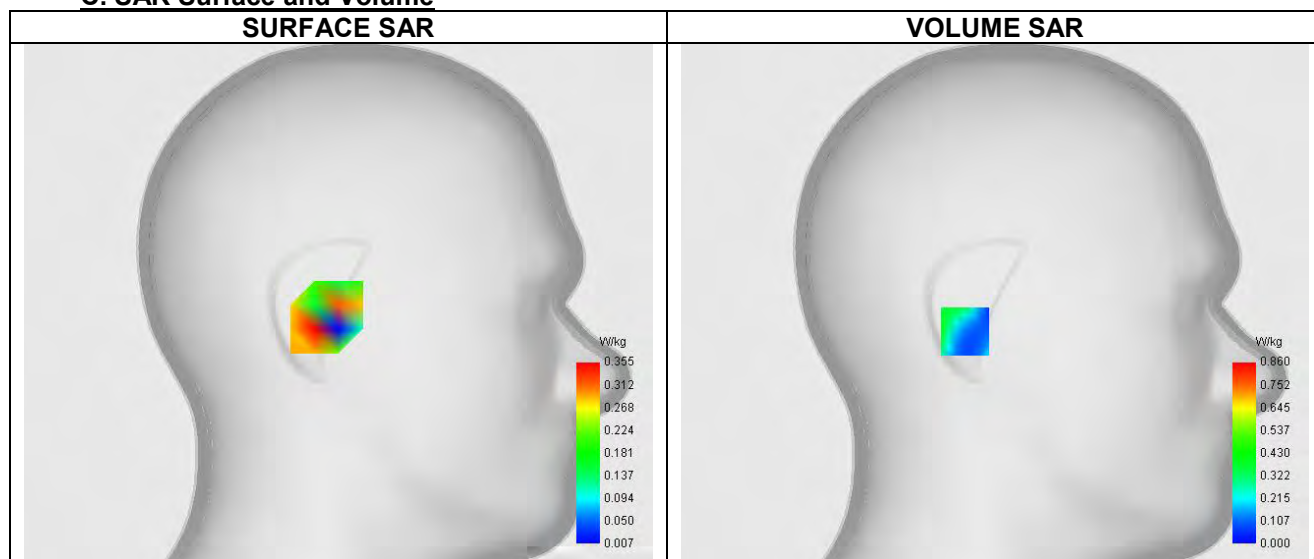
Date of measurement: 8/11/2024

A. Experimental conditions.

Probe	SN 26/23 EPG0420
ConvF	1.15
Area Scan	dx=12mm dy=12mm, Adaptative 1 max
Zoom Scan	7x7x12,dx=4mm dy=4mm dz=2.0mm
Phantom	Left head
Device Position	Cheek
Band	5800
Signal	--

B. Permittivity

Frequency (MHz)	5745.000
Relative permittivity (real part)	36.068
Relative permittivity (imaginary part)	16.355
Conductivity (S/m)	5.237

C. SAR Surface and Volume


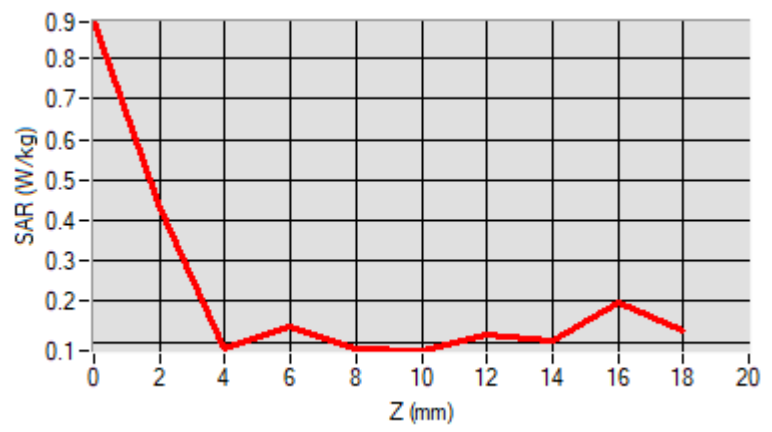
Maximum location: X=15.00, Y=-13.00 ; SAR Peak: 2.48 W/kg

D. SAR 1g & 10g

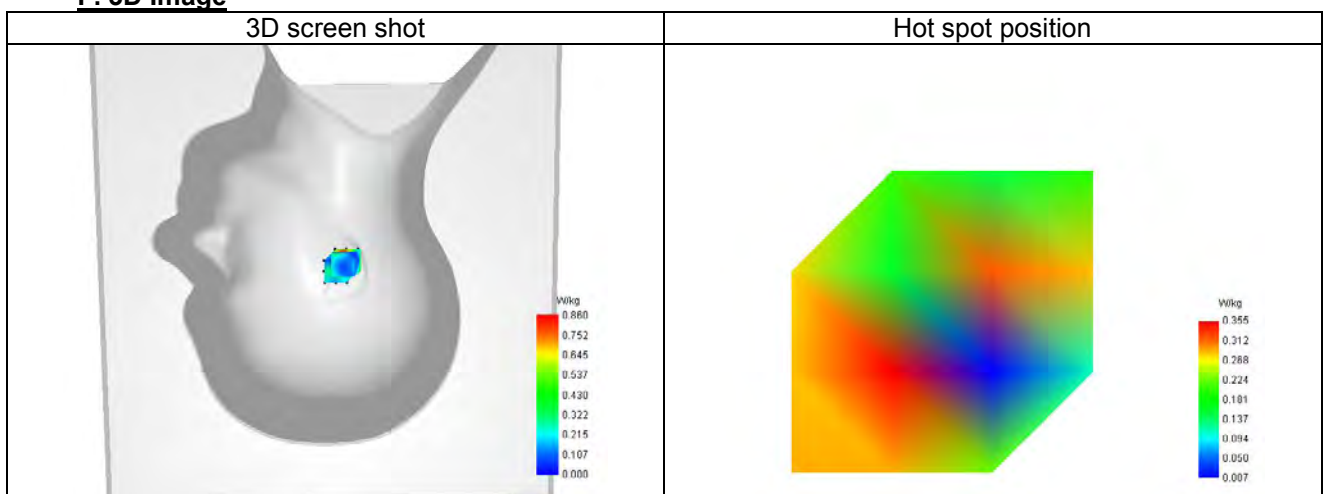
SAR 10g (W/Kg)	0.256
SAR 1g (W/Kg)	0.545
Variation (%)	2.260
Horizontal validation criteria: minimum distance (mm)	0.000000
Vertical validation criteria: SAR ratio M2/M1 (%)	0.000000

E. Z Axis Scan

Z (mm)	0.00	2.00	4.00	6.00	8.00	10.00	12.00	14.00	16.00
SAR (W/Kg)	0.891	0.431	0.083	0.140	0.082	0.078	0.119	0.101	0.195



F. 3D Image



Plot 4

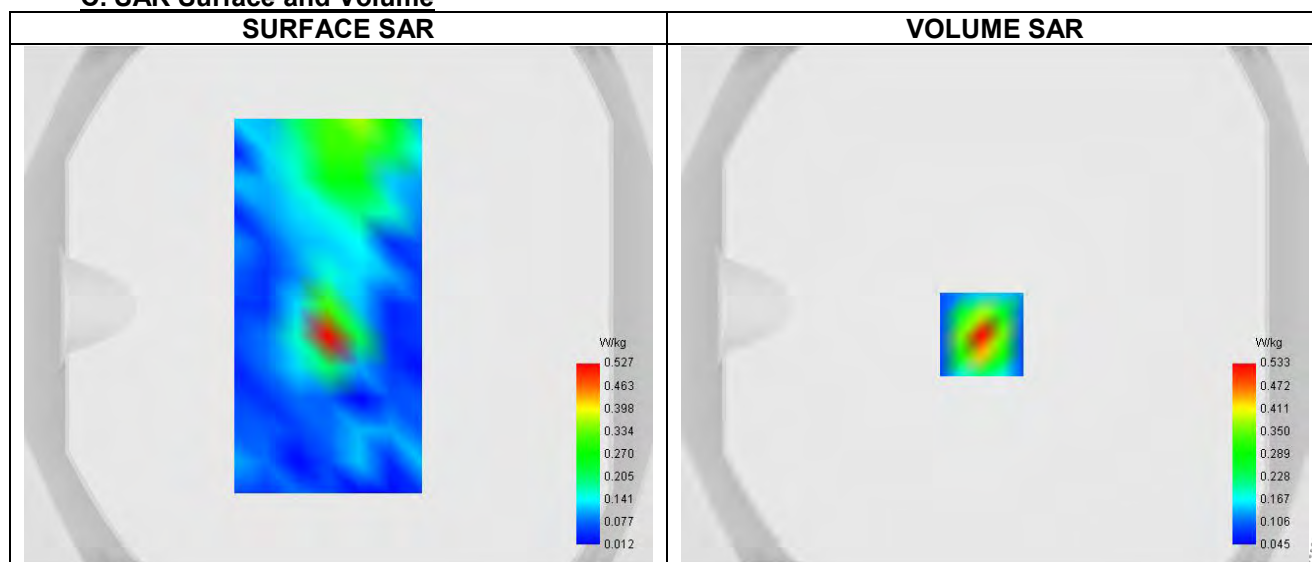
Date of measurement: 4/11/2024

A. Experimental conditions.

Probe	SN 26/23 EPG0420
ConvF	0.81
Area Scan	surf_sam_plan.txt
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5.0mm
Phantom	Validation plane
Device Position	Body
Band	GPRS850
Signal	TDMA (GPRS)
Modulation	GMSK (CS-1)

B. Permittivity

Frequency (MHz)	848.800
Relative permittivity (real part)	42.303
Relative permittivity (imaginary part)	19.400
Conductivity (S/m)	0.936

C. SAR Surface and Volume


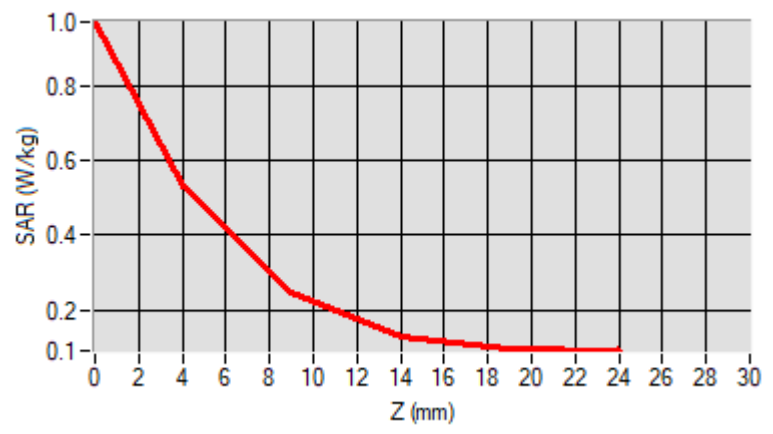
Maximum location: X=-5.00, Y=-11.00 ; SAR Peak: 0.98 W/kg

D. SAR 1g & 10g

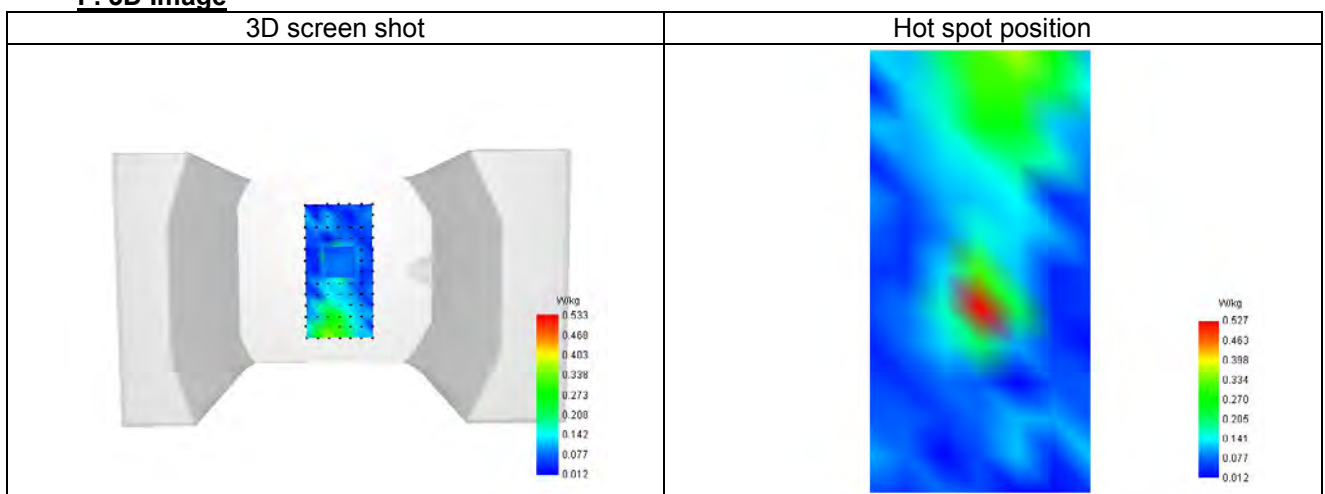
SAR 10g (W/Kg)	0.226
SAR 1g (W/Kg)	0.484
Variation (%)	2.860
Horizontal validation criteria: minimum distance (mm)	0.000000
Vertical validation criteria: SAR ratio M2/M1 (%)	0.000000

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	0.973	0.533	0.244	0.128	0.094



F. 3D Image



Plot 5

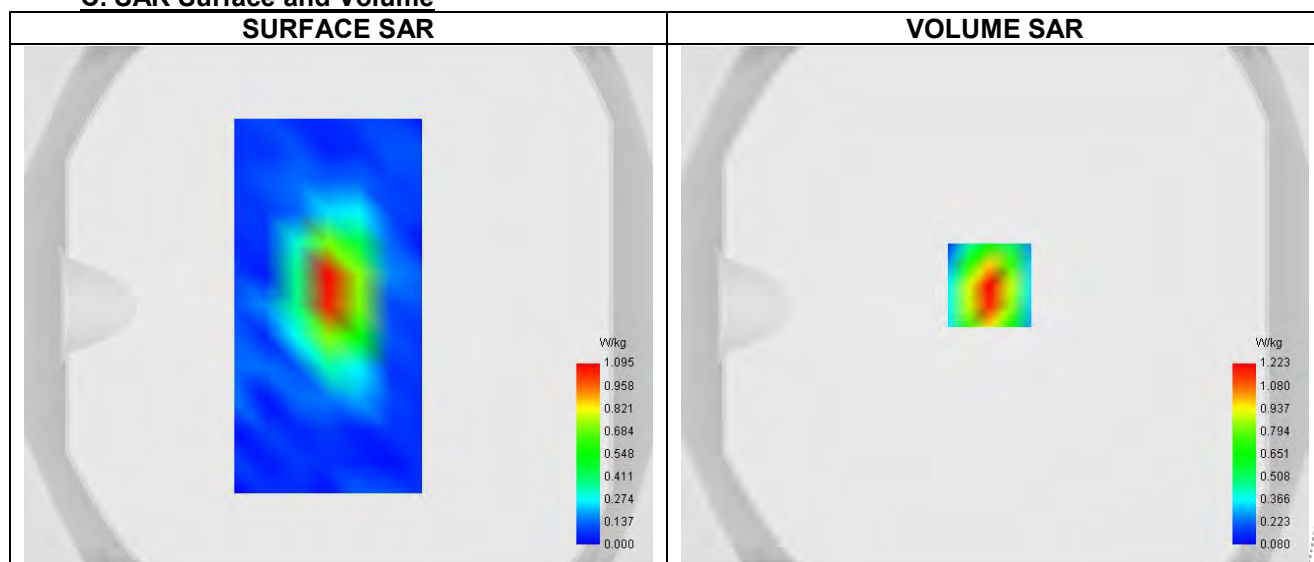
Date of measurement: 6/11/2024

A. Experimental conditions.

Probe	SN 26/23 EPGO420
ConvF	1.04
Area Scan	surf_sam_plan.txt
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5.0mm
Phantom	Validation plane
Device Position	Body
Band	GPRS1900
Signal	TDMA (GPRS)
Modulation	GMSK (CS-1)

B. Permittivity

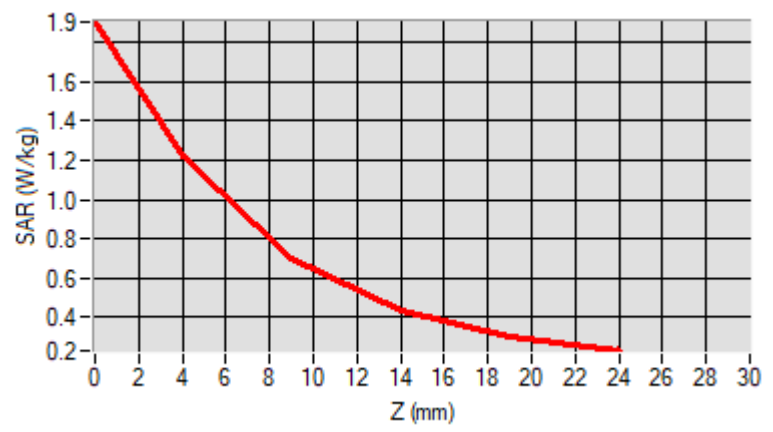
Frequency (MHz)	1850.200
Relative permittivity (real part)	41.479
Relative permittivity (imaginary part)	13.629
Conductivity (S/m)	1.377

C. SAR Surface and Volume

D. SAR 1g & 10g

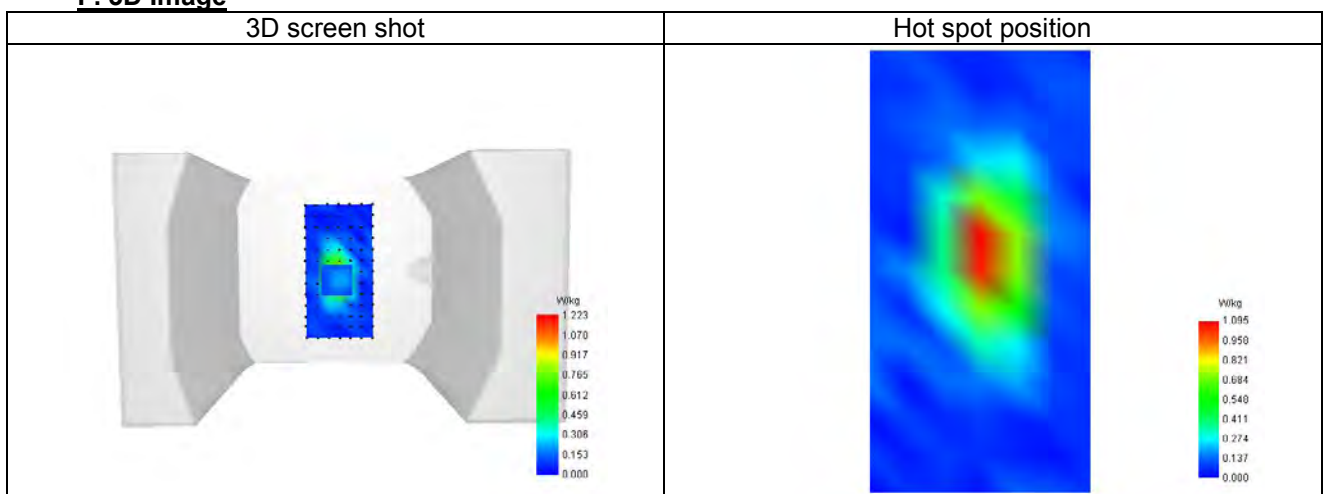
SAR 10g (W/Kg)	0.620
SAR 1g (W/Kg)	1.141
Variation (%)	0.540
Horizontal validation criteria: minimum distance (mm)	0.000000
Vertical validation criteria: SAR ratio M2/M1 (%)	0.000000

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	1.904	1.223	0.704	0.433	0.304



F. 3D Image



Plot 6

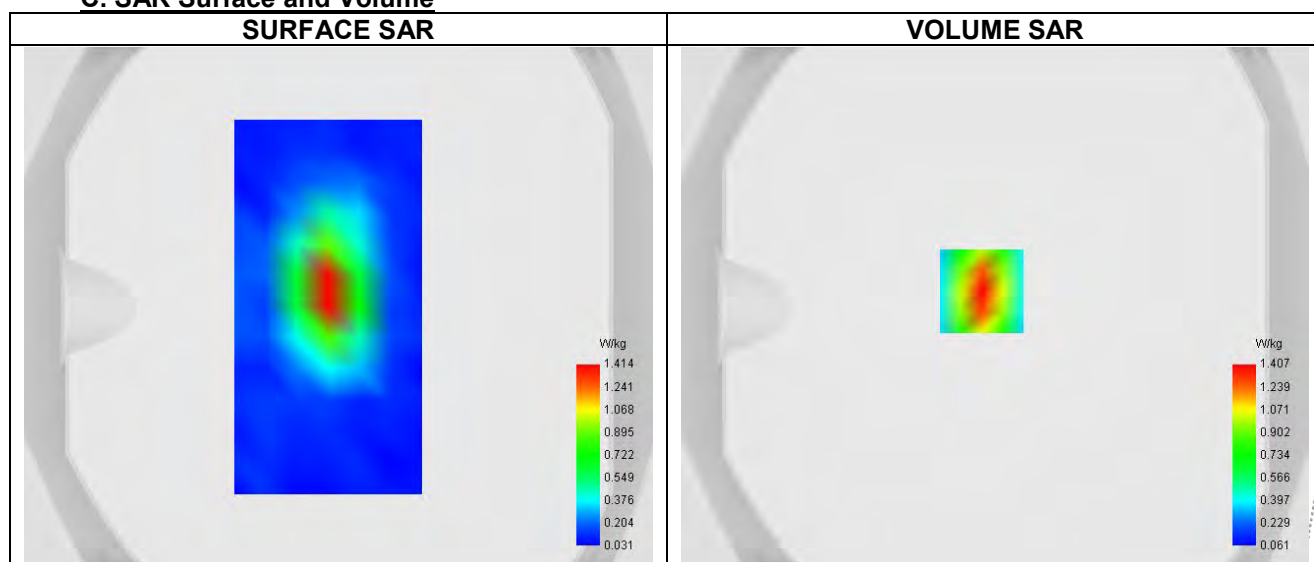
Date of measurement: 7/11/2024

A. Experimental conditions.

Probe	SN 26/23 EPGO420
ConvF	1.04
Area Scan	surf_sam_plan.txt
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5.0mm
Phantom	Validation plane
Device Position	Body
Band	Band 2 (1900)
Signal	WCDMA
Mode	Release 99
Connection Type	RMC, 12.2 kbps

B. Permittivity

Frequency (MHz)	1852.400
Relative permittivity (real part)	40.795
Relative permittivity (imaginary part)	13.408
Conductivity (S/m)	1.358

C. SAR Surface and Volume


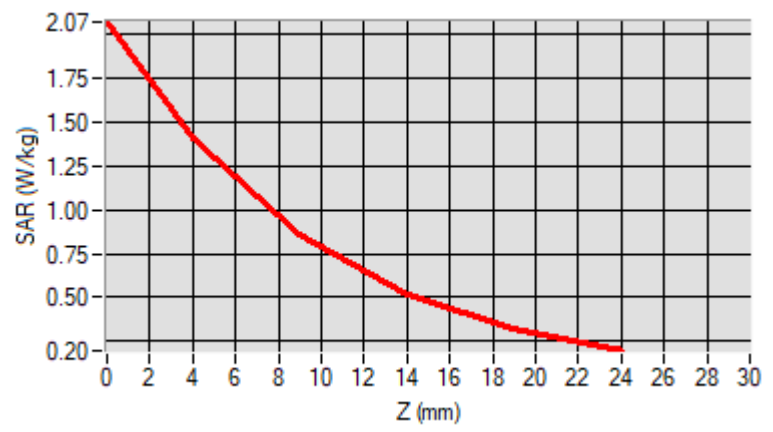
Maximum location: X=-5.00, Y=6.00 ; SAR Peak: 2.07 W/kg

D. SAR 1g & 10g

SAR 10g (W/Kg)	0.715
SAR 1g (W/Kg)	1.296
Variation (%)	-1.820
Horizontal validation criteria: minimum distance (mm)	0.000000
Vertical validation criteria: SAR ratio M2/M1 (%)	0.000000

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	2.072	1.407	0.854	0.520	0.324



F. 3D Image

