n77(3700-3980)	30	100	656000	1@271	DFT_BPSK	24.24	PASS
n77(3700-3980)	30	100	656000	270@0	DFT_QPSK	22.95	PASS
n77(3700-3980)	30	100	656000	135@67	DFT_QPSK	23.98	PASS
n77(3700-3980)	30	100	656000	1@1	DFT_QPSK	23.38	PASS
n77(3700-3980)	30	100	656000	1@271	DFT_QPSK	24.26	PASS
n77(3700-3980)	30	100	656000	270@0	DFT_16QAM	21.95	PASS
n77(3700-3980)	30	100	656000	135@67	DFT_16QAM	22.98	PASS
n77(3700-3980)	30	100	656000	1@1	DFT_16QAM	22.67	PASS
n77(3700-3980)	30	100	656000	1@271	DFT_16QAM	23.53	PASS
n77(3700-3980)	30	100	656000	270@0	DFT_64QAM	21.49	PASS
n77(3700-3980)	30	100	656000	135@67	DFT_64QAM	21.51	PASS
n77(3700-3980)	30	100	656000	1@1	DFT_64QAM	21.07	PASS
n77(3700-3980)	30	100	656000	1@271	DFT_64QAM	21.99	PASS
n77(3700-3980)	30	100	656000	270@0	DFT_256QAM	19.51	PASS
n77(3700-3980)	30	100	656000	135@67	DFT_256QAM	19.51	PASS
n77(3700-3980)	30	100	656000	1@1	DFT_256QAM	19.08	PASS
n77(3700-3980)	30	100	656000	1@271	DFT_256QAM	20.01	PASS
n77(3700-3980)	30	100	656000	273@0	CP_QPSK	20.93	PASS
n77(3700-3980)	30	100	656000	137@68	CP_QPSK	22.45	PASS
n77(3700-3980)	30	100	656000	1@1	CP_QPSK	21.81	PASS
n77(3700-3980)	30	100	656000	1@271	CP_QPSK	22.69	PASS
n77(3700-3980)	30	100	656000	273@0	CP_16QAM	20.94	PASS
n77(3700-3980)	30	100	656000	137@68	CP_16QAM	21.98	PASS
n77(3700-3980)	30	100	656000	1@1	CP_16QAM	21.31	PASS
n77(3700-3980)	30	100	656000	1@271	CP_16QAM	22.24	PASS
n77(3700-3980)	30	100	656000	273@0	CP_64QAM	20.44	PASS
n77(3700-3980)	30	100	656000	137@68	CP_64QAM	20.44	PASS
n77(3700-3980)	30	100	656000	1@1	CP_64QAM	19.94	PASS
n77(3700-3980)	30	100	656000	1@271	CP_64QAM	20.88	PASS
n77(3700-3980)	30	100	656000	273@0	CP_256QAM	17.49	PASS
n77(3700-3980)	30	100	656000	137@68	CP_256QAM	17.52	PASS
n77(3700-3980)	30	100	656000	1@1	CP_256QAM	17.1	PASS
n77(3700-3980)	30	100	656000	1@271	CP_256QAM	18.04	PASS
n77(3700-3980)	30	100	662000	270@0	DFT_BPSK	23.61	PASS
n77(3700-3980)	30	100	662000	135@67	DFT_BPSK	24.16	PASS
n77(3700-3980)	30	100	662000	1@1	DFT_BPSK	23.58	PASS
n77(3700-3980)	30	100	662000	1@271	DFT_BPSK	24.18	PASS
n77(3700-	30	100	662000	270@0	DFT_QPSK	23.11	PASS

3980)							
n77(3700-3980)	30	100	662000	135@67	DFT_QPSK	24.13	PASS
n77(3700-3980)	30	100	662000	1@1	DFT_QPSK	23.63	PASS
n77(3700-3980)	30	100	662000	1@271	DFT_QPSK	24.23	PASS
n77(3700-3980)	30	100	662000	270@0	DFT_16QAM	22.1	PASS
n77(3700-3980)	30	100	662000	135@67	DFT_16QAM	23.15	PASS
n77(3700-3980)	30	100	662000	1@1	DFT_16QAM	22.88	PASS
n77(3700-3980)	30	100	662000	1@271	DFT_16QAM	23.47	PASS
n77(3700-3980)	30	100	662000	270@0	DFT_64QAM	21.65	PASS
n77(3700-3980)	30	100	662000	135@67	DFT_64QAM	21.67	PASS
n77(3700-3980)	30	100	662000	1@1	DFT_64QAM	21.34	PASS
n77(3700-3980)	30	100	662000	1@271	DFT_64QAM	21.89	PASS
n77(3700-3980)	30	100	662000	270@0	DFT_256QAM	19.64	PASS
n77(3700-3980)	30	100	662000	135@67	DFT_256QAM	19.7	PASS
n77(3700-3980)	30	100	662000	1@1	DFT_256QAM	19.36	PASS
n77(3700-3980)	30	100	662000	1@271	DFT_256QAM	19.94	PASS
n77(3700-3980)	30	100	662000	273@0	CP_QPSK	21.05	PASS
n77(3700-3980)	30	100	662000	137@68	CP_QPSK	22.62	PASS
n77(3700-3980)	30	100	662000	1@1	CP_QPSK	22.12	PASS
n77(3700-3980)	30	100	662000	1@271	CP_QPSK	22.72	PASS
n77(3700-3980)	30	100	662000	273@0	CP_16QAM	21.1	PASS
n77(3700-3980)	30	100	662000	137@68	CP_16QAM	22.14	PASS
n77(3700-3980)	30	100	662000	1@1	CP_16QAM	21.6	PASS
n77(3700-3980)	30	100	662000	1@271	CP_16QAM	22.21	PASS
n77(3700-3980)	30	100	662000	273@0	CP_64QAM	20.6	PASS
n77(3700-3980)	30	100	662000	137@68	CP_64QAM	20.64	PASS
n77(3700-3980)	30	100	662000	1@1	CP_64QAM	20.24	PASS
n77(3700-3980)	30	100	662000	1@271	CP_64QAM	20.84	PASS
n77(3700-3980)	30	100	662000	273@0	CP_256QAM	17.61	PASS
n77(3700-3980)	30	100	662000	137@68	CP_256QAM	17.7	PASS
n77(3700-3980)	30	100	662000	1@1	CP_256QAM	17.36	PASS
n77(3700-3980)	30	100	662000	1@271	CP_256QAM	17.94	PASS

NSA
N41+B5

Band	SCS (kHz)	Bandwidth (MHz)	UL Channel	RB Allocation	Modulation	Power (dBm)	Verdict
n41	30	10	500202	24@0	DFT_BPSK	22.15	PASS
n41	30	10	500202	12@6	DFT_BPSK	22.64	PASS
n41	30	10	500202	1@1	DFT_BPSK	22.74	PASS
n41	30	10	500202	1@22	DFT_BPSK	22.56	PASS
n41	30	10	500202	24@0	DFT_QPSK	21.63	PASS
n41	30	10	500202	12@6	DFT_QPSK	22.75	PASS
n41	30	10	500202	1@1	DFT_QPSK	22.59	PASS
n41	30	10	500202	1@22	DFT_QPSK	22.48	PASS
n41	30	10	500202	24@0	DFT_16QAM	20.76	PASS
n41	30	10	500202	12@6	DFT_16QAM	21.73	PASS
n41	30	10	500202	1@1	DFT_16QAM	21.48	PASS
n41	30	10	500202	1@22	DFT_16QAM	21.38	PASS
n41	30	10	500202	24@0	DFT_64QAM	20.22	PASS
n41	30	10	500202	12@6	DFT_64QAM	20.26	PASS
n41	30	10	500202	1@1	DFT_64QAM	20.16	PASS
n41	30	10	500202	1@22	DFT_64QAM	20.04	PASS
n41	30	10	500202	24@0	DFT_256QAM	18.12	PASS
n41	30	10	500202	12@6	DFT_256QAM	18.34	PASS
n41	30	10	500202	1@1	DFT_256QAM	18.21	PASS
n41	30	10	500202	1@22	DFT_256QAM	17.99	PASS
n41	30	10	500202	24@0	CP_QPSK	19.63	PASS
n41	30	10	500202	12@6	CP_QPSK	21.16	PASS
n41	30	10	500202	1@1	CP_QPSK	21.07	PASS
n41	30	10	500202	1@22	CP_QPSK	21.08	PASS
n41	30	10	500202	24@0	CP_16QAM	19.54	PASS
n41	30	10	500202	12@6	CP_16QAM	20.8	PASS
n41	30	10	500202	1@1	CP_16QAM	20.82	PASS
n41	30	10	500202	1@22	CP_16QAM	20.78	PASS
n41	30	10	500202	24@0	CP_64QAM	19.2	PASS
n41	30	10	500202	12@6	CP_64QAM	19.24	PASS
n41	30	10	500202	1@1	CP_64QAM	18.93	PASS
n41	30	10	500202	1@22	CP_64QAM	18.86	PASS
n41	30	10	500202	24@0	CP_256QAM	16.16	PASS
n41	30	10	500202	12@6	CP_256QAM	16.25	PASS
n41	30	10	500202	1@1	CP_256QAM	16.45	PASS
n41	30	10	500202	1@22	CP_256QAM	16.24	PASS
n41	30	10	518598	24@0	DFT_BPSK	22.62	PASS
n41	30	10	518598	12@6	DFT_BPSK	23.02	PASS
n41	30	10	518598	1@1	DFT_BPSK	23.05	PASS
n41	30	10	518598	1@22	DFT_BPSK	22.99	PASS
n41	30	10	518598	24@0	DFT_QPSK	22.11	PASS
n41	30	10	518598	12@6	DFT_QPSK	23.2	PASS
n41	30	10	518598	1@1	DFT_QPSK	23.02	PASS
n41	30	10	518598	1@22	DFT_QPSK	22.97	PASS
n41	30	10	518598	24@0	DFT_16QAM	21.22	PASS
n41	30	10	518598	12@6	DFT_16QAM	22.13	PASS
n41	30	10	518598	1@1	DFT_16QAM	21.9	PASS

n41	30	10	518598	1@22	DFT_16QAM	21.87	PASS
n41	30	10	518598	24@0	DFT_64QAM	20.77	PASS
n41	30	10	518598	12@6	DFT_64QAM	20.79	PASS
n41	30	10	518598	1@1	DFT_64QAM	20.55	PASS
n41	30	10	518598	1@22	DFT_64QAM	20.51	PASS
n41	30	10	518598	24@0	DFT_256QAM	18.64	PASS
n41	30	10	518598	12@6	DFT_256QAM	18.84	PASS
n41	30	10	518598	1@1	DFT_256QAM	18.54	PASS
n41	30	10	518598	1@22	DFT_256QAM	18.5	PASS
n41	30	10	518598	24@0	CP_QPSK	20.12	PASS
n41	30	10	518598	12@6	CP_QPSK	21.56	PASS
n41	30	10	518598	1@1	CP_QPSK	21.62	PASS
n41	30	10	518598	1@22	CP_QPSK	21.61	PASS
n41	30	10	518598	24@0	CP_16QAM	20.03	PASS
n41	30	10	518598	12@6	CP_16QAM	21.33	PASS
n41	30	10	518598	1@1	CP_16QAM	21.26	PASS
n41	30	10	518598	1@22	CP_16QAM	21.29	PASS
n41	30	10	518598	24@0	CP_64QAM	19.7	PASS
n41	30	10	518598	12@6	CP_64QAM	19.78	PASS
n41	30	10	518598	1@1	CP_64QAM	19.39	PASS
n41	30	10	518598	1@22	CP_64QAM	19.29	PASS
n41	30	10	518598	24@0	CP_256QAM	16.65	PASS
n41	30	10	518598	12@6	CP_256QAM	16.72	PASS
n41	30	10	518598	1@1	CP_256QAM	16.81	PASS
n41	30	10	518598	1@22	CP_256QAM	16.73	PASS
n41	30	10	537000	24@0	DFT_BPSK	22.3	PASS
n41	30	10	537000	12@6	DFT_BPSK	22.8	PASS
n41	30	10	537000	1@1	DFT_BPSK	22.64	PASS
n41	30	10	537000	1@22	DFT_BPSK	22.82	PASS
n41	30	10	537000	24@0	DFT_QPSK	21.74	PASS
n41	30	10	537000	12@6	DFT_QPSK	22.84	PASS
n41	30	10	537000	1@1	DFT_QPSK	22.57	PASS
n41	30	10	537000	1@22	DFT_QPSK	22.78	PASS
n41	30	10	537000	24@0	DFT_16QAM	20.9	PASS
n41	30	10	537000	12@6	DFT_16QAM	21.82	PASS
n41	30	10	537000	1@1	DFT_16QAM	21.49	PASS
n41	30	10	537000	1@22	DFT_16QAM	21.65	PASS
n41	30	10	537000	24@0	DFT_64QAM	20.36	PASS
n41	30	10	537000	12@6	DFT_64QAM	20.4	PASS
n41	30	10	537000	1@1	DFT_64QAM	20.08	PASS
n41	30	10	537000	1@22	DFT_64QAM	20.34	PASS
n41	30	10	537000	24@0	DFT_256QAM	18.31	PASS
n41	30	10	537000	12@6	DFT_256QAM	18.36	PASS
n41	30	10	537000	1@1	DFT_256QAM	18.3	PASS
n41	30	10	537000	1@22	DFT_256QAM	18.26	PASS
n41	30	10	537000	24@0	CP_QPSK	20.96	PASS
n41	30	10	537000	12@6	CP_QPSK	21.2	PASS
n41	30	10	537000	1@1	CP_QPSK	21.2	PASS
n41	30	10	537000	1@22	CP_QPSK	21.34	PASS
n41	30	10	537000	24@0	CP_16QAM	19.77	PASS
n41	30	10	537000	12@6	CP_16QAM	20.86	PASS

n41	30	10	537000	1@1	CP_16QAM	20.74	PASS
n41	30	10	537000	1@22	CP_16QAM	20.97	PASS
n41	30	10	537000	24@0	CP_64QAM	19.36	PASS
n41	30	10	537000	12@6	CP_64QAM	19.51	PASS
n41	30	10	537000	1@1	CP_64QAM	18.94	PASS
n41	30	10	537000	1@22	CP_64QAM	19.15	PASS
n41	30	10	537000	24@0	CP_256QAM	16.33	PASS
n41	30	10	537000	12@6	CP_256QAM	16.42	PASS
n41	30	10	537000	1@1	CP_256QAM	16.32	PASS
n41	30	10	537000	1@22	CP_256QAM	16.58	PASS
n41	30	15	500700	36@0	DFT_BPSK	21.39	PASS
n41	30	15	500700	18@9	DFT_BPSK	22.64	PASS
n41	30	15	500700	1@1	DFT_BPSK	22.81	PASS
n41	30	15	500700	1@36	DFT_BPSK	22.64	PASS
n41	30	15	500700	36@0	DFT_QPSK	21.67	PASS
n41	30	15	500700	18@9	DFT_QPSK	22.71	PASS
n41	30	15	500700	1@1	DFT_QPSK	22.64	PASS
n41	30	15	500700	1@36	DFT_QPSK	22.54	PASS
n41	30	15	500700	36@0	DFT_16QAM	20.74	PASS
n41	30	15	500700	18@9	DFT_16QAM	21.65	PASS
n41	30	15	500700	1@1	DFT_16QAM	21.51	PASS
n41	30	15	500700	1@36	DFT_16QAM	21.37	PASS
n41	30	15	500700	36@0	DFT_64QAM	20.26	PASS
n41	30	15	500700	18@9	DFT_64QAM	20.27	PASS
n41	30	15	500700	1@1	DFT_64QAM	20.26	PASS
n41	30	15	500700	1@36	DFT_64QAM	20.02	PASS
n41	30	15	500700	36@0	DFT_256QAM	18.03	PASS
n41	30	15	500700	18@9	DFT_256QAM	18.23	PASS
n41	30	15	500700	1@1	DFT_256QAM	18.32	PASS
n41	30	15	500700	1@36	DFT_256QAM	18.11	PASS
n41	30	15	500700	38@0	CP_QPSK	21.05	PASS
n41	30	15	500700	19@9	CP_QPSK	21.14	PASS
n41	30	15	500700	1@1	CP_QPSK	21.2	PASS
n41	30	15	500700	1@36	CP_QPSK	21.11	PASS
n41	30	15	500700	38@0	CP_16QAM	19.78	PASS
n41	30	15	500700	19@9	CP_16QAM	20.64	PASS
n41	30	15	500700	1@1	CP_16QAM	20.7	PASS
n41	30	15	500700	1@36	CP_16QAM	20.56	PASS
n41	30	15	500700	38@0	CP_64QAM	19.2	PASS
n41	30	15	500700	19@9	CP_64QAM	19.16	PASS
n41	30	15	500700	1@1	CP_64QAM	19.03	PASS
n41	30	15	500700	1@36	CP_64QAM	18.88	PASS
n41	30	15	500700	38@0	CP_256QAM	16.27	PASS
n41	30	15	500700	19@9	CP_256QAM	16.36	PASS
n41	30	15	500700	1@1	CP_256QAM	16.46	PASS
n41	30	15	500700	1@36	CP_256QAM	16.3	PASS
n41	30	15	518598	36@0	DFT_BPSK	22.91	PASS
n41	30	15	518598	18@9	DFT_BPSK	23.16	PASS
n41	30	15	518598	1@1	DFT_BPSK	23.08	PASS
n41	30	15	518598	1@36	DFT_BPSK	22.97	PASS
n41	30	15	518598	36@0	DFT_QPSK	22.13	PASS

n41	30	15	518598	18@9	DFT_QPSK	23.16	PASS
n41	30	15	518598	1@1	DFT_QPSK	23.05	PASS
n41	30	15	518598	1@36	DFT_QPSK	22.94	PASS
n41	30	15	518598	36@0	DFT_16QAM	21.14	PASS
n41	30	15	518598	18@9	DFT_16QAM	22.13	PASS
n41	30	15	518598	1@1	DFT_16QAM	21.9	PASS
n41	30	15	518598	1@36	DFT_16QAM	21.78	PASS
n41	30	15	518598	36@0	DFT_64QAM	20.67	PASS
n41	30	15	518598	18@9	DFT_64QAM	20.72	PASS
n41	30	15	518598	1@1	DFT_64QAM	20.62	PASS
n41	30	15	518598	1@36	DFT_64QAM	20.41	PASS
n41	30	15	518598	36@0	DFT_256QAM	17.91	PASS
n41	30	15	518598	18@9	DFT_256QAM	17.9	PASS
n41	30	15	518598	1@1	DFT_256QAM	17.33	PASS
n41	30	15	518598	1@36	DFT_256QAM	17.23	PASS
n41	30	15	518598	38@0	CP_QPSK	21.35	PASS
n41	30	15	518598	19@9	CP_QPSK	21.64	PASS
n41	30	15	518598	1@1	CP_QPSK	21.62	PASS
n41	30	15	518598	1@36	CP_QPSK	21.56	PASS
n41	30	15	518598	38@0	CP_16QAM	20.23	PASS
n41	30	15	518598	19@9	CP_16QAM	21.17	PASS
n41	30	15	518598	1@1	CP_16QAM	21.07	PASS
n41	30	15	518598	1@36	CP_16QAM	20.9	PASS
n41	30	15	518598	38@0	CP_64QAM	19.67	PASS
n41	30	15	518598	19@9	CP_64QAM	19.67	PASS
n41	30	15	518598	1@1	CP_64QAM	19.42	PASS
n41	30	15	518598	1@36	CP_64QAM	19.26	PASS
n41	30	15	518598	38@0	CP_256QAM	16.72	PASS
n41	30	15	518598	19@9	CP_256QAM	16.82	PASS
n41	30	15	518598	1@1	CP_256QAM	16.86	PASS
n41	30	15	518598	1@36	CP_256QAM	16.7	PASS
n41	30	15	536496	36@0	DFT_BPSK	21.9	PASS
n41	30	15	536496	18@9	DFT_BPSK	22.74	PASS
n41	30	15	536496	1@1	DFT_BPSK	22.8	PASS
n41	30	15	536496	1@36	DFT_BPSK	22.96	PASS
n41	30	15	536496	36@0	DFT_QPSK	21.82	PASS
n41	30	15	536496	18@9	DFT_QPSK	22.84	PASS
n41	30	15	536496	1@1	DFT_QPSK	22.73	PASS
n41	30	15	536496	1@36	DFT_QPSK	22.89	PASS
n41	30	15	536496	36@0	DFT_16QAM	20.94	PASS
n41	30	15	536496	18@9	DFT_16QAM	21.84	PASS
n41	30	15	536496	1@1	DFT_16QAM	21.45	PASS
n41	30	15	536496	1@36	DFT_16QAM	21.68	PASS
n41	30	15	536496	36@0	DFT_64QAM	20.4	PASS
n41	30	15	536496	18@9	DFT_64QAM	20.36	PASS
n41	30	15	536496	1@1	DFT_64QAM	20.26	PASS
n41	30	15	536496	1@36	DFT_64QAM	20.41	PASS
n41	30	15	536496	36@0	DFT_256QAM	18.33	PASS
n41	30	15	536496	18@9	DFT_256QAM	18.4	PASS
n41	30	15	536496	1@1	DFT_256QAM	18.32	PASS
n41	30	15	536496	1@36	DFT_256QAM	18.59	PASS

n41	30	15	536496	38@0	CP_QPSK	16.8	PASS
n41	30	15	536496	19@9	CP_QPSK	16.22	PASS
n41	30	15	536496	1@1	CP_QPSK	16.4	PASS
n41	30	15	536496	1@36	CP_QPSK	15.99	PASS
n41	30	15	536496	38@0	CP_16QAM	20.36	PASS
n41	30	15	536496	19@9	CP_16QAM	20.81	PASS
n41	30	15	536496	1@1	CP_16QAM	20.76	PASS
n41	30	15	536496	1@36	CP_16QAM	20.89	PASS
n41	30	15	536496	38@0	CP_64QAM	19.41	PASS
n41	30	15	536496	19@9	CP_64QAM	19.34	PASS
n41	30	15	536496	1@1	CP_64QAM	19.1	PASS
n41	30	15	536496	1@36	CP_64QAM	19.3	PASS
n41	30	15	536496	38@0	CP_256QAM	16.49	PASS
n41	30	15	536496	19@9	CP_256QAM	16.5	PASS
n41	30	15	536496	1@1	CP_256QAM	16.5	PASS
n41	30	15	536496	1@36	CP_256QAM	16.71	PASS
n41	30	20	501204	50@0	DFT_BPSK	22.19	PASS
n41	30	20	501204	25@12	DFT_BPSK	22.63	PASS
n41	30	20	501204	1@1	DFT_BPSK	22.83	PASS
n41	30	20	501204	1@49	DFT_BPSK	22.74	PASS
n41	30	20	501204	50@0	DFT_QPSK	21.72	PASS
n41	30	20	501204	25@12	DFT_QPSK	22.65	PASS
n41	30	20	501204	1@1	DFT_QPSK	22.63	PASS
n41	30	20	501204	1@49	DFT_QPSK	22.68	PASS
n41	30	20	501204	50@0	DFT_16QAM	20.74	PASS
n41	30	20	501204	25@12	DFT_16QAM	21.7	PASS
n41	30	20	501204	1@1	DFT_16QAM	21.51	PASS
n41	30	20	501204	1@49	DFT_16QAM	21.51	PASS
n41	30	20	501204	50@0	DFT_64QAM	20.19	PASS
n41	30	20	501204	25@12	DFT_64QAM	20.25	PASS
n41	30	20	501204	1@1	DFT_64QAM	20.33	PASS
n41	30	20	501204	1@49	DFT_64QAM	20.28	PASS
n41	30	20	501204	50@0	DFT_256QAM	18.16	PASS
n41	30	20	501204	25@12	DFT_256QAM	18.13	PASS
n41	30	20	501204	1@1	DFT_256QAM	18.16	PASS
n41	30	20	501204	1@49	DFT_256QAM	18.21	PASS
n41	30	20	501204	51@0	CP_QPSK	19.71	PASS
n41	30	20	501204	25@12	CP_QPSK	21.1	PASS
n41	30	20	501204	1@1	CP_QPSK	21.17	PASS
n41	30	20	501204	1@49	CP_QPSK	21.26	PASS
n41	30	20	501204	51@0	CP_16QAM	19.72	PASS
n41	30	20	501204	25@12	CP_16QAM	20.65	PASS
n41	30	20	501204	1@1	CP_16QAM	20.7	PASS
n41	30	20	501204	1@49	CP_16QAM	20.73	PASS
n41	30	20	501204	51@0	CP_64QAM	19.19	PASS
n41	30	20	501204	25@12	CP_64QAM	19.09	PASS
n41	30	20	501204	1@1	CP_64QAM	18.92	PASS
n41	30	20	501204	1@49	CP_64QAM	19.05	PASS
n41	30	20	501204	51@0	CP_256QAM	16.2	PASS
n41	30	20	501204	25@12	CP_256QAM	16.2	PASS
n41	30	20	501204	1@1	CP_256QAM	16.54	PASS

n41	30	20	501204	1@49	CP_256QAM	16.54	PASS
n41	30	20	518598	50@0	DFT_BPSK	22.69	PASS
n41	30	20	518598	25@12	DFT_BPSK	23.17	PASS
n41	30	20	518598	1@1	DFT_BPSK	23.12	PASS
n41	30	20	518598	1@49	DFT_BPSK	22.94	PASS
n41	30	20	518598	50@0	DFT_QPSK	22.18	PASS
n41	30	20	518598	25@12	DFT_QPSK	23.25	PASS
n41	30	20	518598	1@1	DFT_QPSK	23.05	PASS
n41	30	20	518598	1@49	DFT_QPSK	22.91	PASS
n41	30	20	518598	50@0	DFT_16QAM	21.16	PASS
n41	30	20	518598	25@12	DFT_16QAM	22.22	PASS
n41	30	20	518598	1@1	DFT_16QAM	21.9	PASS
n41	30	20	518598	1@49	DFT_16QAM	21.72	PASS
n41	30	20	518598	50@0	DFT_64QAM	20.67	PASS
n41	30	20	518598	25@12	DFT_64QAM	20.77	PASS
n41	30	20	518598	1@1	DFT_64QAM	20.72	PASS
n41	30	20	518598	1@49	DFT_64QAM	20.55	PASS
n41	30	20	518598	50@0	DFT_256QAM	18.6	PASS
n41	30	20	518598	25@12	DFT_256QAM	18.2	PASS
n41	30	20	518598	1@1	DFT_256QAM	18.26	PASS
n41	30	20	518598	1@49	DFT_256QAM	18.44	PASS
n41	30	20	518598	51@0	CP_QPSK	19.69	PASS
n41	30	20	518598	25@12	CP_QPSK	21.11	PASS
n41	30	20	518598	1@1	CP_QPSK	21.45	PASS
n41	30	20	518598	1@49	CP_QPSK	21.4	PASS
n41	30	20	518598	51@0	CP_16QAM	21.3	PASS
n41	30	20	518598	25@12	CP_16QAM	21.17	PASS
n41	30	20	518598	1@1	CP_16QAM	21.03	PASS
n41	30	20	518598	1@49	CP_16QAM	20.85	PASS
n41	30	20	518598	51@0	CP_64QAM	19.68	PASS
n41	30	20	518598	25@12	CP_64QAM	19.78	PASS
n41	30	20	518598	1@1	CP_64QAM	19.37	PASS
n41	30	20	518598	1@49	CP_64QAM	19.3	PASS
n41	30	20	518598	51@0	CP_256QAM	16.71	PASS
n41	30	20	518598	25@12	CP_256QAM	16.8	PASS
n41	30	20	518598	1@1	CP_256QAM	16.86	PASS
n41	30	20	518598	1@49	CP_256QAM	16.66	PASS
n41	30	20	535998	50@0	DFT_BPSK	21.82	PASS
n41	30	20	535998	25@12	DFT_BPSK	22.8	PASS
n41	30	20	535998	1@1	DFT_BPSK	22.97	PASS
n41	30	20	535998	1@49	DFT_BPSK	23.04	PASS
n41	30	20	535998	50@0	DFT_QPSK	21.96	PASS
n41	30	20	535998	25@12	DFT_QPSK	22.98	PASS
n41	30	20	535998	1@1	DFT_QPSK	22.9	PASS
n41	30	20	535998	1@49	DFT_QPSK	22.95	PASS
n41	30	20	535998	50@0	DFT_16QAM	20.94	PASS
n41	30	20	535998	25@12	DFT_16QAM	21.88	PASS
n41	30	20	535998	1@1	DFT_16QAM	21.79	PASS
n41	30	20	535998	1@49	DFT_16QAM	21.89	PASS
n41	30	20	535998	50@0	DFT_64QAM	20.41	PASS
n41	30	20	535998	25@12	DFT_64QAM	20.41	PASS

n41	30	20	535998	1@1	DFT_64QAM	20.46	PASS
n41	30	20	535998	1@49	DFT_64QAM	20.49	PASS
n41	30	20	535998	50@0	DFT_256QAM	18.6	PASS
n41	30	20	535998	25@12	DFT_256QAM	18.2	PASS
n41	30	20	535998	1@1	DFT_256QAM	18.14	PASS
n41	30	20	535998	1@49	DFT_256QAM	18.06	PASS
n41	30	20	535998	51@0	CP_QPSK	21.2	PASS
n41	30	20	535998	25@12	CP_QPSK	21.35	PASS
n41	30	20	535998	1@1	CP_QPSK	21.57	PASS
n41	30	20	535998	1@49	CP_QPSK	21.54	PASS
n41	30	20	535998	51@0	CP_16QAM	19.9	PASS
n41	30	20	535998	25@12	CP_16QAM	20.95	PASS
n41	30	20	535998	1@1	CP_16QAM	20.88	PASS
n41	30	20	535998	1@49	CP_16QAM	20.96	PASS
n41	30	20	535998	51@0	CP_64QAM	19.48	PASS
n41	30	20	535998	25@12	CP_64QAM	19.54	PASS
n41	30	20	535998	1@1	CP_64QAM	19.27	PASS
n41	30	20	535998	1@49	CP_64QAM	19.32	PASS
n41	30	20	535998	51@0	CP_256QAM	16.46	PASS
n41	30	20	535998	25@12	CP_256QAM	16.48	PASS
n41	30	20	535998	1@1	CP_256QAM	16.62	PASS
n41	30	20	535998	1@49	CP_256QAM	16.76	PASS
n41	30	30	502200	75@0	DFT_BPSK	22.1	PASS
n41	30	30	502200	36@18	DFT_BPSK	23.15	PASS
n41	30	30	502200	1@1	DFT_BPSK	22.58	PASS
n41	30	30	502200	1@76	DFT_BPSK	22.11	PASS
n41	30	30	502200	75@0	DFT_QPSK	22.42	PASS
n41	30	30	502200	36@18	DFT_QPSK	22.67	PASS
n41	30	30	502200	1@1	DFT_QPSK	22.63	PASS
n41	30	30	502200	1@76	DFT_QPSK	22.89	PASS
n41	30	30	502200	75@0	DFT_16QAM	20.79	PASS
n41	30	30	502200	36@18	DFT_16QAM	21.74	PASS
n41	30	30	502200	1@1	DFT_16QAM	21.49	PASS
n41	30	30	502200	1@76	DFT_16QAM	21.74	PASS
n41	30	30	502200	75@0	DFT_64QAM	20.39	PASS
n41	30	30	502200	36@18	DFT_64QAM	20.28	PASS
n41	30	30	502200	1@1	DFT_64QAM	20.22	PASS
n41	30	30	502200	1@76	DFT_64QAM	20.43	PASS
n41	30	30	502200	75@0	DFT_256QAM	18.35	PASS
n41	30	30	502200	36@18	DFT_256QAM	18.21	PASS
n41	30	30	502200	1@1	DFT_256QAM	18.39	PASS
n41	30	30	502200	1@76	DFT_256QAM	18.59	PASS
n41	30	30	502200	78@0	CP_QPSK	21.3	PASS
n41	30	30	502200	39@19	CP_QPSK	21.22	PASS
n41	30	30	502200	1@1	CP_QPSK	21.59	PASS
n41	30	30	502200	1@76	CP_QPSK	21.42	PASS
n41	30	30	502200	78@0	CP_16QAM	20.1	PASS
n41	30	30	502200	39@19	CP_16QAM	20.79	PASS
n41	30	30	502200	1@1	CP_16QAM	20.64	PASS
n41	30	30	502200	1@76	CP_16QAM	20.92	PASS
n41	30	30	502200	78@0	CP_64QAM	19.38	PASS

n41	30	30	502200	39@19	CP_64QAM	19.26	PASS
n41	30	30	502200	1@1	CP_64QAM	19.06	PASS
n41	30	30	502200	1@76	CP_64QAM	19.26	PASS
n41	30	30	502200	78@0	CP_256QAM	16.39	PASS
n41	30	30	502200	39@19	CP_256QAM	16.31	PASS
n41	30	30	502200	1@1	CP_256QAM	16.48	PASS
n41	30	30	502200	1@76	CP_256QAM	16.69	PASS
n41	30	30	518598	75@0	DFT_BPSK	22.62	PASS
n41	30	30	518598	36@18	DFT_BPSK	23.17	PASS
n41	30	30	518598	1@1	DFT_BPSK	23.04	PASS
n41	30	30	518598	1@76	DFT_BPSK	22.87	PASS
n41	30	30	518598	75@0	DFT_QPSK	22.16	PASS
n41	30	30	518598	36@18	DFT_QPSK	23.14	PASS
n41	30	30	518598	1@1	DFT_QPSK	22.99	PASS
n41	30	30	518598	1@76	DFT_QPSK	22.88	PASS
n41	30	30	518598	75@0	DFT_16QAM	21.16	PASS
n41	30	30	518598	36@18	DFT_16QAM	22.22	PASS
n41	30	30	518598	1@1	DFT_16QAM	21.8	PASS
n41	30	30	518598	1@76	DFT_16QAM	21.7	PASS
n41	30	30	518598	75@0	DFT_64QAM	20.7	PASS
n41	30	30	518598	36@18	DFT_64QAM	20.62	PASS
n41	30	30	518598	1@1	DFT_64QAM	20.53	PASS
n41	30	30	518598	1@76	DFT_64QAM	20.46	PASS
n41	30	30	518598	75@0	DFT_256QAM	18.63	PASS
n41	30	30	518598	36@18	DFT_256QAM	18.61	PASS
n41	30	30	518598	1@1	DFT_256QAM	18.63	PASS
n41	30	30	518598	1@76	DFT_256QAM	18.43	PASS
n41	30	30	518598	78@0	CP_QPSK	20.96	PASS
n41	30	30	518598	39@19	CP_QPSK	21.25	PASS
n41	30	30	518598	1@1	CP_QPSK	21.41	PASS
n41	30	30	518598	1@76	CP_QPSK	21.35	PASS
n41	30	30	518598	78@0	CP_16QAM	20.69	PASS
n41	30	30	518598	39@19	CP_16QAM	21.24	PASS
n41	30	30	518598	1@1	CP_16QAM	21.05	PASS
n41	30	30	518598	1@76	CP_16QAM	20.81	PASS
n41	30	30	518598	78@0	CP_64QAM	19.69	PASS
n41	30	30	518598	39@19	CP_64QAM	19.69	PASS
n41	30	30	518598	1@1	CP_64QAM	19.37	PASS
n41	30	30	518598	1@76	CP_64QAM	19.17	PASS
n41	30	30	518598	78@0	CP_256QAM	16.68	PASS
n41	30	30	518598	39@19	CP_256QAM	16.75	PASS
n41	30	30	518598	1@1	CP_256QAM	16.84	PASS
n41	30	30	518598	1@76	CP_256QAM	16.6	PASS
n41	30	30	534996	75@0	DFT_BPSK	22.19	PASS
n41	30	30	534996	36@18	DFT_BPSK	22.93	PASS
n41	30	30	534996	1@1	DFT_BPSK	22.99	PASS
n41	30	30	534996	1@76	DFT_BPSK	23.03	PASS
n41	30	30	534996	75@0	DFT_QPSK	22.04	PASS
n41	30	30	534996	36@18	DFT_QPSK	22.94	PASS
n41	30	30	534996	1@1	DFT_QPSK	22.95	PASS
n41	30	30	534996	1@76	DFT_QPSK	22.95	PASS

n41	30	30	534996	75@0	DFT_16QAM	20.98	PASS
n41	30	30	534996	36@18	DFT_16QAM	22.01	PASS
n41	30	30	534996	1@1	DFT_16QAM	21.81	PASS
n41	30	30	534996	1@76	DFT_16QAM	21.74	PASS
n41	30	30	534996	75@0	DFT_64QAM	20.56	PASS
n41	30	30	534996	36@18	DFT_64QAM	20.43	PASS
n41	30	30	534996	1@1	DFT_64QAM	20.58	PASS
n41	30	30	534996	1@76	DFT_64QAM	20.68	PASS
n41	30	30	534996	75@0	DFT_256QAM	18.47	PASS
n41	30	30	534996	36@18	DFT_256QAM	18.41	PASS
n41	30	30	534996	1@1	DFT_256QAM	18.61	PASS
n41	30	30	534996	1@76	DFT_256QAM	18.67	PASS
n41	30	30	534996	78@0	CP_QPSK	20.03	PASS
n41	30	30	534996	39@19	CP_QPSK	21.45	PASS
n41	30	30	534996	1@1	CP_QPSK	21.57	PASS
n41	30	30	534996	1@76	CP_QPSK	21.56	PASS
n41	30	30	534996	78@0	CP_16QAM	20.01	PASS
n41	30	30	534996	39@19	CP_16QAM	21	PASS
n41	30	30	534996	1@1	CP_16QAM	20.97	PASS
n41	30	30	534996	1@76	CP_16QAM	20.92	PASS
n41	30	30	534996	78@0	CP_64QAM	19.61	PASS
n41	30	30	534996	39@19	CP_64QAM	19.54	PASS
n41	30	30	534996	1@1	CP_64QAM	19.38	PASS
n41	30	30	534996	1@76	CP_64QAM	19.31	PASS
n41	30	30	534996	78@0	CP_256QAM	16.53	PASS
n41	30	30	534996	39@19	CP_256QAM	16.5	PASS
n41	30	30	534996	1@1	CP_256QAM	16.73	PASS
n41	30	30	534996	1@76	CP_256QAM	16.79	PASS
n41	30	40	503202	100@0	DFT_BPSK	22.34	PASS
n41	30	40	503202	50@25	DFT_BPSK	22.83	PASS
n41	30	40	503202	1@1	DFT_BPSK	22.83	PASS
n41	30	40	503202	1@104	DFT_BPSK	22.93	PASS
n41	30	40	503202	100@0	DFT_QPSK	21.85	PASS
n41	30	40	503202	50@25	DFT_QPSK	22.83	PASS
n41	30	40	503202	1@1	DFT_QPSK	22.64	PASS
n41	30	40	503202	1@104	DFT_QPSK	22.83	PASS
n41	30	40	503202	100@0	DFT_16QAM	20.92	PASS
n41	30	40	503202	50@25	DFT_16QAM	21.84	PASS
n41	30	40	503202	1@1	DFT_16QAM	21.55	PASS
n41	30	40	503202	1@104	DFT_16QAM	21.71	PASS
n41	30	40	503202	100@0	DFT_64QAM	20.4	PASS
n41	30	40	503202	50@25	DFT_64QAM	20.37	PASS
n41	30	40	503202	1@1	DFT_64QAM	20.29	PASS
n41	30	40	503202	1@104	DFT_64QAM	20.44	PASS
n41	30	40	503202	100@0	DFT_256QAM	18.39	PASS
n41	30	40	503202	50@25	DFT_256QAM	18.35	PASS
n41	30	40	503202	1@1	DFT_256QAM	18.27	PASS
n41	30	40	503202	1@104	DFT_256QAM	18.49	PASS
n41	30	40	503202	106@0	CP_QPSK	21.36	PASS
n41	30	40	503202	53@26	CP_QPSK	21.01	PASS
n41	30	40	503202	1@1	CP_QPSK	21.55	PASS

n41	30	40	503202	1@104	CP_QPSK	21.14	PASS
n41	30	40	503202	106@0	CP_16QAM	20.39	PASS
n41	30	40	503202	53@26	CP_16QAM	20.79	PASS
n41	30	40	503202	1@1	CP_16QAM	20.89	PASS
n41	30	40	503202	1@104	CP_16QAM	20.92	PASS
n41	30	40	503202	106@0	CP_64QAM	19.41	PASS
n41	30	40	503202	53@26	CP_64QAM	19.42	PASS
n41	30	40	503202	1@1	CP_64QAM	19.43	PASS
n41	30	40	503202	1@104	CP_64QAM	19.69	PASS
n41	30	40	503202	106@0	CP_256QAM	16.44	PASS
n41	30	40	503202	53@26	CP_256QAM	16.46	PASS
n41	30	40	503202	1@1	CP_256QAM	16.08	PASS
n41	30	40	503202	1@104	CP_256QAM	16.21	PASS
n41	30	40	518598	100@0	DFT_BPSK	23.11	PASS
n41	30	40	518598	50@25	DFT_BPSK	23.16	PASS
n41	30	40	518598	1@1	DFT_BPSK	22.99	PASS
n41	30	40	518598	1@104	DFT_BPSK	22.85	PASS
n41	30	40	518598	100@0	DFT_QPSK	22.13	PASS
n41	30	40	518598	50@25	DFT_QPSK	23.13	PASS
n41	30	40	518598	1@1	DFT_QPSK	23.14	PASS
n41	30	40	518598	1@104	DFT_QPSK	22.99	PASS
n41	30	40	518598	100@0	DFT_16QAM	21.15	PASS
n41	30	40	518598	50@25	DFT_16QAM	22.19	PASS
n41	30	40	518598	1@1	DFT_16QAM	22.03	PASS
n41	30	40	518598	1@104	DFT_16QAM	21.92	PASS
n41	30	40	518598	100@0	DFT_64QAM	20.65	PASS
n41	30	40	518598	50@25	DFT_64QAM	20.64	PASS
n41	30	40	518598	1@1	DFT_64QAM	20.72	PASS
n41	30	40	518598	1@104	DFT_64QAM	20.6	PASS
n41	30	40	518598	100@0	DFT_256QAM	18.23	PASS
n41	30	40	518598	50@25	DFT_256QAM	18.11	PASS
n41	30	40	518598	1@1	DFT_256QAM	18.26	PASS
n41	30	40	518598	1@104	DFT_256QAM	18.47	PASS
n41	30	40	518598	106@0	CP_QPSK	21.17	PASS
n41	30	40	518598	53@26	CP_QPSK	21.67	PASS
n41	30	40	518598	1@1	CP_QPSK	21.58	PASS
n41	30	40	518598	1@104	CP_QPSK	21.57	PASS
n41	30	40	518598	106@0	CP_16QAM	20.04	PASS
n41	30	40	518598	53@26	CP_16QAM	21.18	PASS
n41	30	40	518598	1@1	CP_16QAM	20.92	PASS
n41	30	40	518598	1@104	CP_16QAM	20.83	PASS
n41	30	40	518598	106@0	CP_64QAM	19.63	PASS
n41	30	40	518598	53@26	CP_64QAM	19.69	PASS
n41	30	40	518598	1@1	CP_64QAM	19.28	PASS
n41	30	40	518598	1@104	CP_64QAM	19.18	PASS
n41	30	40	518598	106@0	CP_256QAM	16.63	PASS
n41	30	40	518598	53@26	CP_256QAM	16.71	PASS
n41	30	40	518598	1@1	CP_256QAM	16.73	PASS
n41	30	40	518598	1@104	CP_256QAM	16.53	PASS
n41	30	40	534000	100@0	DFT_BPSK	22.93	PASS
n41	30	40	534000	50@25	DFT_BPSK	23.06	PASS

n41	30	40	534000	1@1	DFT_BPSK	22.77	PASS
n41	30	40	534000	1@104	DFT_BPSK	23.06	PASS
n41	30	40	534000	100@0	DFT_QPSK	22.02	PASS
n41	30	40	534000	50@25	DFT_QPSK	23.06	PASS
n41	30	40	534000	1@1	DFT_QPSK	22.78	PASS
n41	30	40	534000	1@104	DFT_QPSK	22.99	PASS
n41	30	40	534000	100@0	DFT_16QAM	21.06	PASS
n41	30	40	534000	50@25	DFT_16QAM	22.05	PASS
n41	30	40	534000	1@1	DFT_16QAM	21.56	PASS
n41	30	40	534000	1@104	DFT_16QAM	21.86	PASS
n41	30	40	534000	100@0	DFT_64QAM	20.56	PASS
n41	30	40	534000	50@25	DFT_64QAM	20.55	PASS
n41	30	40	534000	1@1	DFT_64QAM	20.26	PASS
n41	30	40	534000	1@104	DFT_64QAM	20.6	PASS
n41	30	40	534000	100@0	DFT_256QAM	18.49	PASS
n41	30	40	534000	50@25	DFT_256QAM	18.52	PASS
n41	30	40	534000	1@1	DFT_256QAM	18.34	PASS
n41	30	40	534000	1@104	DFT_256QAM	18.66	PASS
n41	30	40	534000	106@0	CP_QPSK	20.02	PASS
n41	30	40	534000	53@26	CP_QPSK	21.49	PASS
n41	30	40	534000	1@1	CP_QPSK	21.39	PASS
n41	30	40	534000	1@104	CP_QPSK	21.57	PASS
n41	30	40	534000	106@0	CP_16QAM	20.13	PASS
n41	30	40	534000	53@26	CP_16QAM	21.09	PASS
n41	30	40	534000	1@1	CP_16QAM	20.77	PASS
n41	30	40	534000	1@104	CP_16QAM	21.02	PASS
n41	30	40	534000	106@0	CP_64QAM	19.61	PASS
n41	30	40	534000	53@26	CP_64QAM	19.57	PASS
n41	30	40	534000	1@1	CP_64QAM	19.11	PASS
n41	30	40	534000	1@104	CP_64QAM	19.36	PASS
n41	30	40	534000	106@0	CP_256QAM	16.53	PASS
n41	30	40	534000	53@26	CP_256QAM	16.59	PASS
n41	30	40	534000	1@1	CP_256QAM	16.53	PASS
n41	30	40	534000	1@104	CP_256QAM	16.88	PASS
n41	30	50	504204	128@0	DFT_BPSK	22.69	PASS
n41	30	50	504204	64@32	DFT_BPSK	23.15	PASS
n41	30	50	504204	1@1	DFT_BPSK	22.48	PASS
n41	30	50	504204	1@131	DFT_BPSK	22.14	PASS
n41	30	50	504204	128@0	DFT_QPSK	22.15	PASS
n41	30	50	504204	64@32	DFT_QPSK	22.94	PASS
n41	30	50	504204	1@1	DFT_QPSK	22.57	PASS
n41	30	50	504204	1@131	DFT_QPSK	22.84	PASS
n41	30	50	504204	128@0	DFT_16QAM	20.91	PASS
n41	30	50	504204	64@32	DFT_16QAM	21.92	PASS
n41	30	50	504204	1@1	DFT_16QAM	21.38	PASS
n41	30	50	504204	1@131	DFT_16QAM	21.62	PASS
n41	30	50	504204	128@0	DFT_64QAM	20.41	PASS
n41	30	50	504204	64@32	DFT_64QAM	20.44	PASS
n41	30	50	504204	1@1	DFT_64QAM	20.27	PASS
n41	30	50	504204	1@131	DFT_64QAM	20.55	PASS
n41	30	50	504204	128@0	DFT_256QAM	18.69	PASS

n41	30	50	504204	64@32	DFT_256QAM	18.12	PASS
n41	30	50	504204	1@1	DFT_256QAM	18.22	PASS
n41	30	50	504204	1@131	DFT_256QAM	18.41	PASS
n41	30	50	504204	133@0	CP_QPSK	21.31	PASS
n41	30	50	504204	67@33	CP_QPSK	21.33	PASS
n41	30	50	504204	1@1	CP_QPSK	21.14	PASS
n41	30	50	504204	1@131	CP_QPSK	21.39	PASS
n41	30	50	504204	133@0	CP_16QAM	19.91	PASS
n41	30	50	504204	67@33	CP_16QAM	20.89	PASS
n41	30	50	504204	1@1	CP_16QAM	20.65	PASS
n41	30	50	504204	1@131	CP_16QAM	20.79	PASS
n41	30	50	504204	133@0	CP_64QAM	19.36	PASS
n41	30	50	504204	67@33	CP_64QAM	19.4	PASS
n41	30	50	504204	1@1	CP_64QAM	18.98	PASS
n41	30	50	504204	1@131	CP_64QAM	19.17	PASS
n41	30	50	504204	133@0	CP_256QAM	16.45	PASS
n41	30	50	504204	67@33	CP_256QAM	16.52	PASS
n41	30	50	504204	1@1	CP_256QAM	16.4	PASS
n41	30	50	504204	1@131	CP_256QAM	16.65	PASS
n41	30	50	518598	128@0	DFT_BPSK	22.57	PASS
n41	30	50	518598	64@32	DFT_BPSK	23.18	PASS
n41	30	50	518598	1@1	DFT_BPSK	23.01	PASS
n41	30	50	518598	1@131	DFT_BPSK	22.9	PASS
n41	30	50	518598	128@0	DFT_QPSK	22.07	PASS
n41	30	50	518598	64@32	DFT_QPSK	23.16	PASS
n41	30	50	518598	1@1	DFT_QPSK	23.16	PASS
n41	30	50	518598	1@131	DFT_QPSK	22.97	PASS
n41	30	50	518598	128@0	DFT_16QAM	21.13	PASS
n41	30	50	518598	64@32	DFT_16QAM	22.17	PASS
n41	30	50	518598	1@1	DFT_16QAM	22.01	PASS
n41	30	50	518598	1@131	DFT_16QAM	21.92	PASS
n41	30	50	518598	128@0	DFT_64QAM	20.63	PASS
n41	30	50	518598	64@32	DFT_64QAM	20.65	PASS
n41	30	50	518598	1@1	DFT_64QAM	20.65	PASS
n41	30	50	518598	1@131	DFT_64QAM	20.64	PASS
n41	30	50	518598	128@0	DFT_256QAM	18.64	PASS
n41	30	50	518598	64@32	DFT_256QAM	18.68	PASS
n41	30	50	518598	1@1	DFT_256QAM	18.42	PASS
n41	30	50	518598	1@131	DFT_256QAM	18.23	PASS
n41	30	50	518598	133@0	CP_QPSK	20.13	PASS
n41	30	50	518598	67@33	CP_QPSK	21.64	PASS
n41	30	50	518598	1@1	CP_QPSK	21.47	PASS
n41	30	50	518598	1@131	CP_QPSK	21.46	PASS
n41	30	50	518598	133@0	CP_16QAM	20.1	PASS
n41	30	50	518598	67@33	CP_16QAM	21.12	PASS
n41	30	50	518598	1@1	CP_16QAM	21.26	PASS
n41	30	50	518598	1@131	CP_16QAM	21.13	PASS
n41	30	50	518598	133@0	CP_64QAM	19.59	PASS
n41	30	50	518598	67@33	CP_64QAM	19.64	PASS
n41	30	50	518598	1@1	CP_64QAM	19.9	PASS
n41	30	50	518598	1@131	CP_64QAM	19.89	PASS

n41	30	50	518598	133@0	CP_256QAM	16.64	PASS
n41	30	50	518598	67@33	CP_256QAM	16.65	PASS
n41	30	50	518598	1@1	CP_256QAM	16.4	PASS
n41	30	50	518598	1@131	CP_256QAM	16.22	PASS
n41	30	50	532998	128@0	DFT_BPSK	22.49	PASS
n41	30	50	532998	64@32	DFT_BPSK	23.01	PASS
n41	30	50	532998	1@1	DFT_BPSK	22.66	PASS
n41	30	50	532998	1@131	DFT_BPSK	22.99	PASS
n41	30	50	532998	128@0	DFT_QPSK	22.03	PASS
n41	30	50	532998	64@32	DFT_QPSK	23.09	PASS
n41	30	50	532998	1@1	DFT_QPSK	22.69	PASS
n41	30	50	532998	1@131	DFT_QPSK	22.93	PASS
n41	30	50	532998	128@0	DFT_16QAM	20.97	PASS
n41	30	50	532998	64@32	DFT_16QAM	22.03	PASS
n41	30	50	532998	1@1	DFT_16QAM	21.51	PASS
n41	30	50	532998	1@131	DFT_16QAM	21.84	PASS
n41	30	50	532998	128@0	DFT_64QAM	20.55	PASS
n41	30	50	532998	64@32	DFT_64QAM	20.58	PASS
n41	30	50	532998	1@1	DFT_64QAM	20.4	PASS
n41	30	50	532998	1@131	DFT_64QAM	20.61	PASS
n41	30	50	532998	128@0	DFT_256QAM	18.52	PASS
n41	30	50	532998	64@32	DFT_256QAM	18.53	PASS
n41	30	50	532998	1@1	DFT_256QAM	18.21	PASS
n41	30	50	532998	1@131	DFT_256QAM	18.55	PASS
n41	30	50	532998	133@0	CP_QPSK	20.01	PASS
n41	30	50	532998	67@33	CP_QPSK	21.47	PASS
n41	30	50	532998	1@1	CP_QPSK	21.27	PASS
n41	30	50	532998	1@131	CP_QPSK	21.61	PASS
n41	30	50	532998	133@0	CP_16QAM	20.03	PASS
n41	30	50	532998	67@33	CP_16QAM	21.04	PASS
n41	30	50	532998	1@1	CP_16QAM	20.62	PASS
n41	30	50	532998	1@131	CP_16QAM	21.03	PASS
n41	30	50	532998	133@0	CP_64QAM	19.47	PASS
n41	30	50	532998	67@33	CP_64QAM	19.57	PASS
n41	30	50	532998	1@1	CP_64QAM	19.09	PASS
n41	30	50	532998	1@131	CP_64QAM	19.38	PASS
n41	30	50	532998	133@0	CP_256QAM	16.52	PASS
n41	30	50	532998	67@33	CP_256QAM	16.56	PASS
n41	30	50	532998	1@1	CP_256QAM	16.41	PASS
n41	30	50	532998	1@131	CP_256QAM	16.74	PASS
n41	30	60	505200	162@0	DFT_BPSK	22.33	PASS
n41	30	60	505200	81@40	DFT_BPSK	22.91	PASS
n41	30	60	505200	1@1	DFT_BPSK	22.68	PASS
n41	30	60	505200	1@160	DFT_BPSK	23.08	PASS
n41	30	60	505200	162@0	DFT_QPSK	21.85	PASS
n41	30	60	505200	81@40	DFT_QPSK	22.9	PASS
n41	30	60	505200	1@1	DFT_QPSK	22.5	PASS
n41	30	60	505200	1@160	DFT_QPSK	23	PASS
n41	30	60	505200	162@0	DFT_16QAM	20.89	PASS
n41	30	60	505200	81@40	DFT_16QAM	21.91	PASS
n41	30	60	505200	1@1	DFT_16QAM	21.37	PASS

n41	30	60	505200	1@160	DFT_16QAM	21.97	PASS
n41	30	60	505200	162@0	DFT_64QAM	20.41	PASS
n41	30	60	505200	81@40	DFT_64QAM	20.46	PASS
n41	30	60	505200	1@1	DFT_64QAM	20.12	PASS
n41	30	60	505200	1@160	DFT_64QAM	20.52	PASS
n41	30	60	505200	162@0	DFT_256QAM	18.44	PASS
n41	30	60	505200	81@40	DFT_256QAM	18.45	PASS
n41	30	60	505200	1@1	DFT_256QAM	18.18	PASS
n41	30	60	505200	1@160	DFT_256QAM	18.67	PASS
n41	30	60	505200	162@0	CP_QPSK	19.25	PASS
n41	30	60	505200	81@40	CP_QPSK	21.25	PASS
n41	30	60	505200	1@1	CP_QPSK	21.41	PASS
n41	30	60	505200	1@160	CP_QPSK	21.36	PASS
n41	30	60	505200	162@0	CP_16QAM	19.84	PASS
n41	30	60	505200	81@40	CP_16QAM	20.86	PASS
n41	30	60	505200	1@1	CP_16QAM	20.52	PASS
n41	30	60	505200	1@160	CP_16QAM	21.01	PASS
n41	30	60	505200	162@0	CP_64QAM	19.35	PASS
n41	30	60	505200	81@40	CP_64QAM	19.5	PASS
n41	30	60	505200	1@1	CP_64QAM	18.86	PASS
n41	30	60	505200	1@160	CP_64QAM	19.34	PASS
n41	30	60	505200	162@0	CP_256QAM	16.45	PASS
n41	30	60	505200	81@40	CP_256QAM	16.47	PASS
n41	30	60	505200	1@1	CP_256QAM	16.35	PASS
n41	30	60	505200	1@160	CP_256QAM	16.85	PASS
n41	30	60	518598	162@0	DFT_BPSK	22.47	PASS
n41	30	60	518598	81@40	DFT_BPSK	23.08	PASS
n41	30	60	518598	1@1	DFT_BPSK	23.07	PASS
n41	30	60	518598	1@160	DFT_BPSK	22.96	PASS
n41	30	60	518598	162@0	DFT_QPSK	22.01	PASS
n41	30	60	518598	81@40	DFT_QPSK	23.07	PASS
n41	30	60	518598	1@1	DFT_QPSK	23.01	PASS
n41	30	60	518598	1@160	DFT_QPSK	22.98	PASS
n41	30	60	518598	162@0	DFT_16QAM	21.04	PASS
n41	30	60	518598	81@40	DFT_16QAM	22.09	PASS
n41	30	60	518598	1@1	DFT_16QAM	21.97	PASS
n41	30	60	518598	1@160	DFT_16QAM	21.78	PASS
n41	30	60	518598	162@0	DFT_64QAM	20.55	PASS
n41	30	60	518598	81@40	DFT_64QAM	20.64	PASS
n41	30	60	518598	1@1	DFT_64QAM	20.5	PASS
n41	30	60	518598	1@160	DFT_64QAM	20.54	PASS
n41	30	60	518598	162@0	DFT_256QAM	18.58	PASS
n41	30	60	518598	81@40	DFT_256QAM	18.59	PASS
n41	30	60	518598	1@1	DFT_256QAM	18.61	PASS
n41	30	60	518598	1@160	DFT_256QAM	18.52	PASS
n41	30	60	518598	162@0	CP_QPSK	21.15	PASS
n41	30	60	518598	81@40	CP_QPSK	21.51	PASS
n41	30	60	518598	1@1	CP_QPSK	21.26	PASS
n41	30	60	518598	1@160	CP_QPSK	21.11	PASS
n41	30	60	518598	162@0	CP_16QAM	21.03	PASS
n41	30	60	518598	81@40	CP_16QAM	21.09	PASS

n41	30	60	518598	1@1	CP_16QAM	21.01	PASS
n41	30	60	518598	1@160	CP_16QAM	20.99	PASS
n41	30	60	518598	162@0	CP_64QAM	19.54	PASS
n41	30	60	518598	81@40	CP_64QAM	19.7	PASS
n41	30	60	518598	1@1	CP_64QAM	19.34	PASS
n41	30	60	518598	1@160	CP_64QAM	19.31	PASS
n41	30	60	518598	162@0	CP_256QAM	16.56	PASS
n41	30	60	518598	81@40	CP_256QAM	16.64	PASS
n41	30	60	518598	1@1	CP_256QAM	16.86	PASS
n41	30	60	518598	1@160	CP_256QAM	16.69	PASS
n41	30	60	531996	162@0	DFT_BPSK	22.44	PASS
n41	30	60	531996	81@40	DFT_BPSK	22.98	PASS
n41	30	60	531996	1@1	DFT_BPSK	22.91	PASS
n41	30	60	531996	1@160	DFT_BPSK	23.01	PASS
n41	30	60	531996	162@0	DFT_QPSK	21.95	PASS
n41	30	60	531996	81@40	DFT_QPSK	23.01	PASS
n41	30	60	531996	1@1	DFT_QPSK	23.02	PASS
n41	30	60	531996	1@160	DFT_QPSK	23.17	PASS
n41	30	60	531996	162@0	DFT_16QAM	20.98	PASS
n41	30	60	531996	81@40	DFT_16QAM	22.01	PASS
n41	30	60	531996	1@1	DFT_16QAM	21.93	PASS
n41	30	60	531996	1@160	DFT_16QAM	22.02	PASS
n41	30	60	531996	162@0	DFT_64QAM	20.48	PASS
n41	30	60	531996	81@40	DFT_64QAM	20.62	PASS
n41	30	60	531996	1@1	DFT_64QAM	20.56	PASS
n41	30	60	531996	1@160	DFT_64QAM	20.71	PASS
n41	30	60	531996	162@0	DFT_256QAM	18.48	PASS
n41	30	60	531996	81@40	DFT_256QAM	18.5	PASS
n41	30	60	531996	1@1	DFT_256QAM	18	PASS
n41	30	60	531996	1@160	DFT_256QAM	18.44	PASS
n41	30	60	531996	162@0	CP_QPSK	19.97	PASS
n41	30	60	531996	81@40	CP_QPSK	21.5	PASS
n41	30	60	531996	1@1	CP_QPSK	21.41	PASS
n41	30	60	531996	1@160	CP_QPSK	21.38	PASS
n41	30	60	531996	162@0	CP_16QAM	19.95	PASS
n41	30	60	531996	81@40	CP_16QAM	21.04	PASS
n41	30	60	531996	1@1	CP_16QAM	21.36	PASS
n41	30	60	531996	1@160	CP_16QAM	21.39	PASS
n41	30	60	531996	162@0	CP_64QAM	19.47	PASS
n41	30	60	531996	81@40	CP_64QAM	19.55	PASS
n41	30	60	531996	1@1	CP_64QAM	19.8	PASS
n41	30	60	531996	1@160	CP_64QAM	19.78	PASS
n41	30	60	531996	162@0	CP_256QAM	16.49	PASS
n41	30	60	531996	81@40	CP_256QAM	16.53	PASS
n41	30	60	531996	1@1	CP_256QAM	16.16	PASS
n41	30	60	531996	1@160	CP_256QAM	16.19	PASS
n41	30	80	507204	216@0	DFT_BPSK	22.69	PASS
n41	30	80	507204	108@54	DFT_BPSK	22.98	PASS
n41	30	80	507204	1@1	DFT_BPSK	22.86	PASS
n41	30	80	507204	1@215	DFT_BPSK	23.07	PASS
n41	30	80	507204	216@0	DFT_QPSK	22	PASS

n41	30	80	507204	108@54	DFT_QPSK	23.02	PASS
n41	30	80	507204	1@1	DFT_QPSK	22.65	PASS
n41	30	80	507204	1@215	DFT_QPSK	23.02	PASS
n41	30	80	507204	216@0	DFT_16QAM	20.98	PASS
n41	30	80	507204	108@54	DFT_16QAM	22.06	PASS
n41	30	80	507204	1@1	DFT_16QAM	21.61	PASS
n41	30	80	507204	1@215	DFT_16QAM	21.84	PASS
n41	30	80	507204	216@0	DFT_64QAM	20.49	PASS
n41	30	80	507204	108@54	DFT_64QAM	20.57	PASS
n41	30	80	507204	1@1	DFT_64QAM	20.29	PASS
n41	30	80	507204	1@215	DFT_64QAM	20.52	PASS
n41	30	80	507204	216@0	DFT_256QAM	18.52	PASS
n41	30	80	507204	108@54	DFT_256QAM	18.58	PASS
n41	30	80	507204	1@1	DFT_256QAM	18.28	PASS
n41	30	80	507204	1@215	DFT_256QAM	18.58	PASS
n41	30	80	507204	217@0	CP_QPSK	20.02	PASS
n41	30	80	507204	109@54	CP_QPSK	21.46	PASS
n41	30	80	507204	1@1	CP_QPSK	21.27	PASS
n41	30	80	507204	1@215	CP_QPSK	21.6	PASS
n41	30	80	507204	217@0	CP_16QAM	20.07	PASS
n41	30	80	507204	109@54	CP_16QAM	21.01	PASS
n41	30	80	507204	1@1	CP_16QAM	20.76	PASS
n41	30	80	507204	1@215	CP_16QAM	21.09	PASS
n41	30	80	507204	217@0	CP_64QAM	19.5	PASS
n41	30	80	507204	109@54	CP_64QAM	19.55	PASS
n41	30	80	507204	1@1	CP_64QAM	18.92	PASS
n41	30	80	507204	1@215	CP_64QAM	19.27	PASS
n41	30	80	507204	217@0	CP_256QAM	16.54	PASS
n41	30	80	507204	109@54	CP_256QAM	16.59	PASS
n41	30	80	507204	1@1	CP_256QAM	16.47	PASS
n41	30	80	507204	1@215	CP_256QAM	16.82	PASS
n41	30	80	518598	216@0	DFT_BPSK	22.58	PASS
n41	30	80	518598	108@54	DFT_BPSK	23.07	PASS
n41	30	80	518598	1@1	DFT_BPSK	23.17	PASS
n41	30	80	518598	1@215	DFT_BPSK	23.09	PASS
n41	30	80	518598	216@0	DFT_QPSK	22.14	PASS
n41	30	80	518598	108@54	DFT_QPSK	23.08	PASS
n41	30	80	518598	1@1	DFT_QPSK	23.09	PASS
n41	30	80	518598	1@215	DFT_QPSK	23.12	PASS
n41	30	80	518598	216@0	DFT_16QAM	21.12	PASS
n41	30	80	518598	108@54	DFT_16QAM	22.14	PASS
n41	30	80	518598	1@1	DFT_16QAM	21.9	PASS
n41	30	80	518598	1@215	DFT_16QAM	22.02	PASS
n41	30	80	518598	216@0	DFT_64QAM	20.57	PASS
n41	30	80	518598	108@54	DFT_64QAM	20.62	PASS
n41	30	80	518598	1@1	DFT_64QAM	20.76	PASS
n41	30	80	518598	1@215	DFT_64QAM	20.78	PASS
n41	30	80	518598	216@0	DFT_256QAM	18.62	PASS
n41	30	80	518598	108@54	DFT_256QAM	18.61	PASS
n41	30	80	518598	1@1	DFT_256QAM	18.71	PASS
n41	30	80	518598	1@215	DFT_256QAM	18.64	PASS

n41	30	80	518598	217@0	CP_QPSK	21.06	PASS
n41	30	80	518598	109@54	CP_QPSK	21.44	PASS
n41	30	80	518598	1@1	CP_QPSK	21.26	PASS
n41	30	80	518598	1@215	CP_QPSK	21.01	PASS
n41	30	80	518598	217@0	CP_16QAM	21.11	PASS
n41	30	80	518598	109@54	CP_16QAM	21.17	PASS
n41	30	80	518598	1@1	CP_16QAM	21.66	PASS
n41	30	80	518598	1@215	CP_16QAM	21.53	PASS
n41	30	80	518598	217@0	CP_64QAM	19.62	PASS
n41	30	80	518598	109@54	CP_64QAM	19.59	PASS
n41	30	80	518598	1@1	CP_64QAM	19.85	PASS
n41	30	80	518598	1@215	CP_64QAM	19.77	PASS
n41	30	80	518598	217@0	CP_256QAM	16.63	PASS
n41	30	80	518598	109@54	CP_256QAM	16.64	PASS
n41	30	80	518598	1@1	CP_256QAM	16.39	PASS
n41	30	80	518598	1@215	CP_256QAM	16.3	PASS
n41	30	80	529998	216@0	DFT_BPSK	22.65	PASS
n41	30	80	529998	108@54	DFT_BPSK	23.11	PASS
n41	30	80	529998	1@1	DFT_BPSK	22.89	PASS
n41	30	80	529998	1@215	DFT_BPSK	23.19	PASS
n41	30	80	529998	216@0	DFT_QPSK	22.14	PASS
n41	30	80	529998	108@54	DFT_QPSK	23.08	PASS
n41	30	80	529998	1@1	DFT_QPSK	22.89	PASS
n41	30	80	529998	1@215	DFT_QPSK	23.13	PASS
n41	30	80	529998	216@0	DFT_16QAM	21.18	PASS
n41	30	80	529998	108@54	DFT_16QAM	22.16	PASS
n41	30	80	529998	1@1	DFT_16QAM	21.76	PASS
n41	30	80	529998	1@215	DFT_16QAM	21.96	PASS
n41	30	80	529998	216@0	DFT_64QAM	20.67	PASS
n41	30	80	529998	108@54	DFT_64QAM	20.59	PASS
n41	30	80	529998	1@1	DFT_64QAM	20.45	PASS
n41	30	80	529998	1@215	DFT_64QAM	20.94	PASS
n41	30	80	529998	216@0	DFT_256QAM	18.66	PASS
n41	30	80	529998	108@54	DFT_256QAM	18.57	PASS
n41	30	80	529998	1@1	DFT_256QAM	18.44	PASS
n41	30	80	529998	1@215	DFT_256QAM	18.65	PASS
n41	30	80	529998	217@0	CP_QPSK	20.24	PASS
n41	30	80	529998	109@54	CP_QPSK	21.54	PASS
n41	30	80	529998	1@1	CP_QPSK	21.59	PASS
n41	30	80	529998	1@215	CP_QPSK	21.92	PASS
n41	30	80	529998	217@0	CP_16QAM	20.15	PASS
n41	30	80	529998	109@54	CP_16QAM	21.09	PASS
n41	30	80	529998	1@1	CP_16QAM	20.96	PASS
n41	30	80	529998	1@215	CP_16QAM	21.2	PASS
n41	30	80	529998	217@0	CP_64QAM	19.62	PASS
n41	30	80	529998	109@54	CP_64QAM	19.57	PASS
n41	30	80	529998	1@1	CP_64QAM	19.13	PASS
n41	30	80	529998	1@215	CP_64QAM	19.4	PASS
n41	30	80	529998	217@0	CP_256QAM	16.66	PASS
n41	30	80	529998	109@54	CP_256QAM	16.6	PASS
n41	30	80	529998	1@1	CP_256QAM	16.62	PASS

n41	30	80	529998	1@215	CP_256QAM	16.89	PASS
n41	30	90	508200	243@0	DFT_BPSK	22.69	PASS
n41	30	90	508200	120@60	DFT_BPSK	23.11	PASS
n41	30	90	508200	1@1	DFT_BPSK	23.05	PASS
n41	30	90	508200	1@243	DFT_BPSK	22.58	PASS
n41	30	90	508200	243@0	DFT_QPSK	22.99	PASS
n41	30	90	508200	120@60	DFT_QPSK	23.09	PASS
n41	30	90	508200	1@1	DFT_QPSK	22.68	PASS
n41	30	90	508200	1@243	DFT_QPSK	23.04	PASS
n41	30	90	508200	243@0	DFT_16QAM	21.08	PASS
n41	30	90	508200	120@60	DFT_16QAM	22.11	PASS
n41	30	90	508200	1@1	DFT_16QAM	21.59	PASS
n41	30	90	508200	1@243	DFT_16QAM	21.9	PASS
n41	30	90	508200	243@0	DFT_64QAM	20.62	PASS
n41	30	90	508200	120@60	DFT_64QAM	20.62	PASS
n41	30	90	508200	1@1	DFT_64QAM	20.38	PASS
n41	30	90	508200	1@243	DFT_64QAM	20.58	PASS
n41	30	90	508200	243@0	DFT_256QAM	18.05	PASS
n41	30	90	508200	120@60	DFT_256QAM	18.11	PASS
n41	30	90	508200	1@1	DFT_256QAM	18.24	PASS
n41	30	90	508200	1@243	DFT_256QAM	18.15	PASS
n41	30	90	508200	245@0	CP_QPSK	20.06	PASS
n41	30	90	508200	123@61	CP_QPSK	21.52	PASS
n41	30	90	508200	1@1	CP_QPSK	21.31	PASS
n41	30	90	508200	1@243	CP_QPSK	21.61	PASS
n41	30	90	508200	245@0	CP_16QAM	20	PASS
n41	30	90	508200	123@61	CP_16QAM	21.02	PASS
n41	30	90	508200	1@1	CP_16QAM	20.78	PASS
n41	30	90	508200	1@243	CP_16QAM	21.04	PASS
n41	30	90	508200	245@0	CP_64QAM	19.52	PASS
n41	30	90	508200	123@61	CP_64QAM	19.64	PASS
n41	30	90	508200	1@1	CP_64QAM	19.03	PASS
n41	30	90	508200	1@243	CP_64QAM	19.34	PASS
n41	30	90	508200	245@0	CP_256QAM	16.56	PASS
n41	30	90	508200	123@61	CP_256QAM	16.65	PASS
n41	30	90	508200	1@1	CP_256QAM	16.49	PASS
n41	30	90	508200	1@243	CP_256QAM	16.71	PASS
n41	30	90	518598	243@0	DFT_BPSK	22.94	PASS
n41	30	90	518598	120@60	DFT_BPSK	23.06	PASS
n41	30	90	518598	1@1	DFT_BPSK	23.01	PASS
n41	30	90	518598	1@243	DFT_BPSK	22.95	PASS
n41	30	90	518598	243@0	DFT_QPSK	22.12	PASS
n41	30	90	518598	120@60	DFT_QPSK	23.09	PASS
n41	30	90	518598	1@1	DFT_QPSK	22.95	PASS
n41	30	90	518598	1@243	DFT_QPSK	23	PASS
n41	30	90	518598	243@0	DFT_16QAM	21.13	PASS
n41	30	90	518598	120@60	DFT_16QAM	22.09	PASS
n41	30	90	518598	1@1	DFT_16QAM	21.81	PASS
n41	30	90	518598	1@243	DFT_16QAM	21.8	PASS
n41	30	90	518598	243@0	DFT_64QAM	20.63	PASS
n41	30	90	518598	120@60	DFT_64QAM	20.58	PASS

n41	30	90	518598	1@1	DFT_64QAM	20.52	PASS
n41	30	90	518598	1@243	DFT_64QAM	20.57	PASS
n41	30	90	518598	243@0	DFT_256QAM	18.62	PASS
n41	30	90	518598	120@60	DFT_256QAM	18.63	PASS
n41	30	90	518598	1@1	DFT_256QAM	18.58	PASS
n41	30	90	518598	1@243	DFT_256QAM	18.45	PASS
n41	30	90	518598	245@0	CP_QPSK	20.08	PASS
n41	30	90	518598	123@61	CP_QPSK	21.57	PASS
n41	30	90	518598	1@1	CP_QPSK	21.57	PASS
n41	30	90	518598	1@243	CP_QPSK	21.62	PASS
n41	30	90	518598	245@0	CP_16QAM	20.09	PASS
n41	30	90	518598	123@61	CP_16QAM	21.08	PASS
n41	30	90	518598	1@1	CP_16QAM	21.06	PASS
n41	30	90	518598	1@243	CP_16QAM	21.06	PASS
n41	30	90	518598	245@0	CP_64QAM	19.59	PASS
n41	30	90	518598	123@61	CP_64QAM	19.61	PASS
n41	30	90	518598	1@1	CP_64QAM	19.3	PASS
n41	30	90	518598	1@243	CP_64QAM	19.12	PASS
n41	30	90	518598	245@0	CP_256QAM	16.6	PASS
n41	30	90	518598	123@61	CP_256QAM	16.62	PASS
n41	30	90	518598	1@1	CP_256QAM	16.75	PASS
n41	30	90	518598	1@243	CP_256QAM	16.64	PASS
n41	30	90	528996	243@0	DFT_BPSK	22.79	PASS
n41	30	90	528996	120@60	DFT_BPSK	23.12	PASS
n41	30	90	528996	1@1	DFT_BPSK	22.96	PASS
n41	30	90	528996	1@243	DFT_BPSK	23.15	PASS
n41	30	90	528996	243@0	DFT_QPSK	22.15	PASS
n41	30	90	528996	120@60	DFT_QPSK	23.1	PASS
n41	30	90	528996	1@1	DFT_QPSK	22.96	PASS
n41	30	90	528996	1@243	DFT_QPSK	23.11	PASS
n41	30	90	528996	243@0	DFT_16QAM	21.18	PASS
n41	30	90	528996	120@60	DFT_16QAM	22.11	PASS
n41	30	90	528996	1@1	DFT_16QAM	21.82	PASS
n41	30	90	528996	1@243	DFT_16QAM	21.98	PASS
n41	30	90	528996	243@0	DFT_64QAM	20.77	PASS
n41	30	90	528996	120@60	DFT_64QAM	20.63	PASS
n41	30	90	528996	1@1	DFT_64QAM	20.58	PASS
n41	30	90	528996	1@243	DFT_64QAM	20.77	PASS
n41	30	90	528996	243@0	DFT_256QAM	18.66	PASS
n41	30	90	528996	120@60	DFT_256QAM	18.62	PASS
n41	30	90	528996	1@1	DFT_256QAM	18.51	PASS
n41	30	90	528996	1@243	DFT_256QAM	18.72	PASS
n41	30	90	528996	245@0	CP_QPSK	20.19	PASS
n41	30	90	528996	123@61	CP_QPSK	21.62	PASS
n41	30	90	528996	1@1	CP_QPSK	21.76	PASS
n41	30	90	528996	1@243	CP_QPSK	21.76	PASS
n41	30	90	528996	245@0	CP_16QAM	20.17	PASS
n41	30	90	528996	123@61	CP_16QAM	21.12	PASS
n41	30	90	528996	1@1	CP_16QAM	21.05	PASS
n41	30	90	528996	1@243	CP_16QAM	21.37	PASS
n41	30	90	528996	245@0	CP_64QAM	19.6	PASS

n41	30	90	528996	123@61	CP_64QAM	19.59	PASS
n41	30	90	528996	1@1	CP_64QAM	19.22	PASS
n41	30	90	528996	1@243	CP_64QAM	19.41	PASS
n41	30	90	528996	245@0	CP_256QAM	16.63	PASS
n41	30	90	528996	123@61	CP_256QAM	16.65	PASS
n41	30	90	528996	1@1	CP_256QAM	16.73	PASS
n41	30	90	528996	1@243	CP_256QAM	16.92	PASS
n41	30	100	509202	270@0	DFT_BPSK	22.68	PASS
n41	30	100	509202	135@67	DFT_BPSK	23.07	PASS
n41	30	100	509202	1@1	DFT_BPSK	22.9	PASS
n41	30	100	509202	1@271	DFT_BPSK	23.09	PASS
n41	30	100	509202	270@0	DFT_QPSK	21.96	PASS
n41	30	100	509202	135@67	DFT_QPSK	23.08	PASS
n41	30	100	509202	1@1	DFT_QPSK	22.67	PASS
n41	30	100	509202	1@271	DFT_QPSK	23.05	PASS
n41	30	100	509202	270@0	DFT_16QAM	21.04	PASS
n41	30	100	509202	135@67	DFT_16QAM	22.14	PASS
n41	30	100	509202	1@1	DFT_16QAM	21.6	PASS
n41	30	100	509202	1@271	DFT_16QAM	21.94	PASS
n41	30	100	509202	270@0	DFT_64QAM	20.58	PASS
n41	30	100	509202	135@67	DFT_64QAM	20.58	PASS
n41	30	100	509202	1@1	DFT_64QAM	20.35	PASS
n41	30	100	509202	1@271	DFT_64QAM	20.71	PASS
n41	30	100	509202	270@0	DFT_256QAM	18.54	PASS
n41	30	100	509202	135@67	DFT_256QAM	18.7	PASS
n41	30	100	509202	1@1	DFT_256QAM	18.31	PASS
n41	30	100	509202	1@271	DFT_256QAM	18.56	PASS
n41	30	100	509202	273@0	CP_QPSK	20.08	PASS
n41	30	100	509202	137@68	CP_QPSK	21.48	PASS
n41	30	100	509202	1@1	CP_QPSK	21.31	PASS
n41	30	100	509202	1@271	CP_QPSK	21.78	PASS
n41	30	100	509202	273@0	CP_16QAM	20.01	PASS
n41	30	100	509202	137@68	CP_16QAM	21.06	PASS
n41	30	100	509202	1@1	CP_16QAM	20.82	PASS
n41	30	100	509202	1@271	CP_16QAM	21.22	PASS
n41	30	100	509202	273@0	CP_64QAM	19.52	PASS
n41	30	100	509202	137@68	CP_64QAM	19.65	PASS
n41	30	100	509202	1@1	CP_64QAM	18.94	PASS
n41	30	100	509202	1@271	CP_64QAM	19.29	PASS
n41	30	100	509202	273@0	CP_256QAM	16.57	PASS
n41	30	100	509202	137@68	CP_256QAM	16.7	PASS
n41	30	100	509202	1@1	CP_256QAM	16.53	PASS
n41	30	100	509202	1@271	CP_256QAM	16.85	PASS
n41	30	100	518598	270@0	DFT_BPSK	22.53	PASS
n41	30	100	518598	135@67	DFT_BPSK	23.05	PASS
n41	30	100	518598	1@1	DFT_BPSK	22.91	PASS
n41	30	100	518598	1@271	DFT_BPSK	22.84	PASS
n41	30	100	518598	270@0	DFT_QPSK	22.04	PASS
n41	30	100	518598	135@67	DFT_QPSK	23.04	PASS
n41	30	100	518598	1@1	DFT_QPSK	22.83	PASS
n41	30	100	518598	1@271	DFT_QPSK	22.85	PASS

n41	30	100	518598	270@0	DFT_16QAM	21.11	PASS
n41	30	100	518598	135@67	DFT_16QAM	22.11	PASS
n41	30	100	518598	1@1	DFT_16QAM	21.71	PASS
n41	30	100	518598	1@271	DFT_16QAM	21.83	PASS
n41	30	100	518598	270@0	DFT_64QAM	20.61	PASS
n41	30	100	518598	135@67	DFT_64QAM	20.59	PASS
n41	30	100	518598	1@1	DFT_64QAM	20.53	PASS
n41	30	100	518598	1@271	DFT_64QAM	20.6	PASS
n41	30	100	518598	270@0	DFT_256QAM	18.61	PASS
n41	30	100	518598	135@67	DFT_256QAM	18.66	PASS
n41	30	100	518598	1@1	DFT_256QAM	18.46	PASS
n41	30	100	518598	1@271	DFT_256QAM	18.26	PASS
n41	30	100	518598	273@0	CP_QPSK	20.17	PASS
n41	30	100	518598	137@68	CP_QPSK	21.52	PASS
n41	30	100	518598	1@1	CP_QPSK	21.56	PASS
n41	30	100	518598	1@271	CP_QPSK	21.58	PASS
n41	30	100	518598	273@0	CP_16QAM	20.09	PASS
n41	30	100	518598	137@68	CP_16QAM	21.11	PASS
n41	30	100	518598	1@1	CP_16QAM	20.97	PASS
n41	30	100	518598	1@271	CP_16QAM	20.98	PASS
n41	30	100	518598	273@0	CP_64QAM	19.56	PASS
n41	30	100	518598	137@68	CP_64QAM	19.6	PASS
n41	30	100	518598	1@1	CP_64QAM	19.15	PASS
n41	30	100	518598	1@271	CP_64QAM	19.05	PASS
n41	30	100	518598	273@0	CP_256QAM	16.56	PASS
n41	30	100	518598	137@68	CP_256QAM	16.61	PASS
n41	30	100	518598	1@1	CP_256QAM	16.67	PASS
n41	30	100	518598	1@271	CP_256QAM	16.58	PASS
n41	30	100	528000	270@0	DFT_BPSK	22.63	PASS
n41	30	100	528000	135@67	DFT_BPSK	23.11	PASS
n41	30	100	528000	1@1	DFT_BPSK	23.15	PASS
n41	30	100	528000	1@271	DFT_BPSK	23.2	PASS
n41	30	100	528000	270@0	DFT_QPSK	22.16	PASS
n41	30	100	528000	135@67	DFT_QPSK	23.07	PASS
n41	30	100	528000	1@1	DFT_QPSK	23.16	PASS
n41	30	100	528000	1@271	DFT_QPSK	23.15	PASS
n41	30	100	528000	270@0	DFT_16QAM	21.21	PASS
n41	30	100	528000	135@67	DFT_16QAM	22.13	PASS
n41	30	100	528000	1@1	DFT_16QAM	21.99	PASS
n41	30	100	528000	1@271	DFT_16QAM	22.03	PASS
n41	30	100	528000	270@0	DFT_64QAM	20.75	PASS
n41	30	100	528000	135@67	DFT_64QAM	20.63	PASS
n41	30	100	528000	1@1	DFT_64QAM	20.82	PASS
n41	30	100	528000	1@271	DFT_64QAM	20.85	PASS
n41	30	100	528000	270@0	DFT_256QAM	18.67	PASS
n41	30	100	528000	135@67	DFT_256QAM	18.62	PASS
n41	30	100	528000	1@1	DFT_256QAM	18.69	PASS
n41	30	100	528000	1@271	DFT_256QAM	18.71	PASS
n41	30	100	528000	273@0	CP_QPSK	21.03	PASS
n41	30	100	528000	137@68	CP_QPSK	21.44	PASS
n41	30	100	528000	1@1	CP_QPSK	21.05	PASS

n41	30	100	528000	1@271	CP_QPSK	21.54	PASS
n41	30	100	528000	273@0	CP_16QAM	21.36	PASS
n41	30	100	528000	137@68	CP_16QAM	21.16	PASS
n41	30	100	528000	1@1	CP_16QAM	21.2	PASS
n41	30	100	528000	1@271	CP_16QAM	21.33	PASS
n41	30	100	528000	273@0	CP_64QAM	19.63	PASS
n41	30	100	528000	137@68	CP_64QAM	19.57	PASS
n41	30	100	528000	1@1	CP_64QAM	19.42	PASS
n41	30	100	528000	1@271	CP_64QAM	19.41	PASS
n41	30	100	528000	273@0	CP_256QAM	16.63	PASS
n41	30	100	528000	137@68	CP_256QAM	16.6	PASS
n41	30	100	528000	1@1	CP_256QAM	16.87	PASS
n41	30	100	528000	1@271	CP_256QAM	16.9	PASS

10.2 Tune up Power

Mode	GSM850	GSM1900
GSM	33±1dBm	30±1dBm
GPRS (1 Slot)	33±1dBm	30±1dBm
GPRS (2 Slot)	32.5±1dBm	29.5±1dBm
GPRS (3 Slot)	31±1dBm	28±1dBm
GPRS (4 Slot)	30±1dBm	27±1dBm

Mode	WCDMA Band II	WCDMA Band V	WCDMA Band IV
RMC	23±1dBm	23±1dBm	22.5±1dBm
HSDPA Subtest-1	22±1dBm	22±1dBm	21.5±1dBm
HSDPA Subtest-2	22±1dBm	21.5±1dBm	21±1dBm
HSDPA Subtest-3	21±1dBm	20.5±1dBm	20.5±1dBm
HSDPA Subtest-4	21±1dBm	20.5±1dBm	20±1dBm
HSUPA Subtest-1	22±1dBm	22±1dBm	21±1dBm
HSUPA Subtest-2	22±1dBm	22±1dBm	21.5±1dBm
HSUPA Subtest-3	21±1dBm	20.5±1dBm	20±1dBm
HSUPA Subtest-4	22±1dBm	22±1dBm	21.5±1dBm
HSUPA Subtest-5	21.5±1dBm	21±1dBm	20.5±1dBm

Mode	CDMA
CDMA BC0	22±1dBm
CDMA BC1	22±1dBm

BW[MHz]	RB Size	Mode	Band 2	Band 4	Band 5	Band 7	Band 12
1.4	1	QPSK	24±1dBm	22.5±1dBm	24±1dBm	N/A	24±1dBm
1.4	3		24±1dBm	21.5±1dBm	24±1dBm	N/A	24±1dBm
1.4	6		23±1dBm	21.5±1dBm	23±1dBm	N/A	23±1dBm
1.4	1	16- QAM	23±1dBm	21.5±1dBm	23±1dBm	N/A	23±1dBm
1.4	3		23±1dBm	21.5±1dBm	23±1dBm	N/A	23±1dBm
1.4	6		22±1dBm	20.5±1dBm	22±1dBm	N/A	22±1dBm
3	1	QPSK	24±1dBm	22.5±1dBm	24±1dBm	N/A	24±1dBm
3	8		23±1dBm	21.5±1dBm	23±1dBm	N/A	23±1dBm
3	15		23±1dBm	21.5±1dBm	23±1dBm	N/A	23±1dBm
3	1	16- QAM	23±1dBm	22±1dBm	23±1dBm	N/A	23.5±1dBm
3	8		22±1dBm	20.5±1dBm	22±1dBm	N/A	22±1dBm
3	15		22±1dBm	20.5±1dBm	22±1dBm	N/A	22±1dBm
5	1	QPSK	24±1dBm	22.5±1dBm	24±1dBm	23.5±1dBm	24±1dBm
5	12		23±1dBm	21.5±1dBm	23±1dBm	22.5±1dBm	23±1dBm
5	25		23±1dBm	21.5±1dBm	23±1dBm	22.5±1dBm	23±1dBm
5	1	16- QAM	23.5±1dBm	22±1dBm	23.5±1dBm	23±1dBm	23.5±1dBm
5	12		22±1dBm	20.5±1dBm	22±1dBm	21.5±1dBm	22±1dBm
5	25		22±1dBm	20.5±1dBm	22±1dBm	21.5±1dBm	22±1dBm
10	1	QPSK	24±1dBm	22.5±1dBm	24±1dBm	23.5±1dBm	24±1dBm
10	25		23±1dBm	21.5±1dBm	23±1dBm	22.5±1dBm	23±1dBm
10	50		23±1dBm	21.5±1dBm	23±1dBm	22.5±1dBm	23±1dBm
10	1	16- QAM	23±1dBm	22±1dBm	23±1dBm	22.5±1dBm	23.5±1dBm
10	25		22±1dBm	20.5±1dBm	22±1dBm	21.5±1dBm	22±1dBm
10	50		22±1dBm	20.5±1dBm	22±1dBm	21.5±1dBm	22±1dBm
15	1	QPSK	24±1dBm	22.5±1dBm	N/A	23.5±1dBm	N/A
15	36		23±1dBm	22±1dBm	N/A	22.5±1dBm	N/A
15	75		23±1dBm	21.5±1dBm	N/A	22.5±1dBm	N/A
15	1	16- QAM	23.5±1dBm	22±1dBm	N/A	22.5±1dBm	N/A
15	36		22±1dBm	21±1dBm	N/A	21.5±1dBm	N/A
15	75		22±1dBm	20.5±1dBm	N/A	21.5±1dBm	N/A
20	1	QPSK	24±1dBm	23±1dBm	N/A	23.5±1dBm	N/A
20	50		23±1dBm	21.5±1dBm	N/A	22.5±1dBm	N/A
20	100		23±1dBm	21.5±1dBm	N/A	22.5±1dBm	N/A
20	1	16- QAM	23.5±1dBm	22±1dBm	N/A	23±1dBm	N/A
20	50		22±1dBm	20.5±1dBm	N/A	21.5±1dBm	N/A
20	100		22±1dBm	20.5±1dBm	N/A	21.5±1dBm	N/A

BW[MHz]	RB Size	Mode	Band 13	Band 17	Band 25	Band 26	Band 26
1.4	1	QPSK	N/A	N/A	23.5±1dBm	24±1dBm	24±1dBm
1.4	3		N/A	N/A	23.5±1dBm	24±1dBm	24±1dBm
1.4	6		N/A	N/A	23±1dBm	23±1dBm	23±1dBm
1.4	1	16- QAM	N/A	N/A	23±1dBm	23±1dBm	23±1dBm
1.4	3		N/A	N/A	23±1dBm	23±1dBm	23±1dBm
1.4	6		N/A	N/A	22.5±1dBm	22±1dBm	22±1dBm
3	1	QPSK	N/A	N/A	24±1dBm	24±1dBm	24±1dBm
3	8		N/A	N/A	23±1dBm	23±1dBm	23±1dBm
3	15		N/A	N/A	23±1dBm	23±1dBm	23±1dBm
3	1	16- QAM	N/A	N/A	23±1dBm	23.5±1dBm	23.5±1dBm
3	8		N/A	N/A	22±1dBm	22±1dBm	22±1dBm
3	15		N/A	N/A	22±1dBm	22±1dBm	22±1dBm
5	1	QPSK	24±1dBm	24±1dBm	24±1dBm	24±1dBm	24±1dBm
5	12		23±1dBm	23±1dBm	23±1dBm	23±1dBm	23±1dBm
5	25		23±1dBm	23±1dBm	23±1dBm	23±1dBm	23±1dBm
5	1	16- QAM	23.5±1dBm	23.5±1dBm	23.5±1dBm	23.5±1dBm	23.5±1dBm
5	12		22±1dBm	22±1dBm	22±1dBm	22±1dBm	22±1dBm
5	25		22±1dBm	22±1dBm	22±1dBm	22±1dBm	22±1dBm
10	1	QPSK	24±1dBm	24±1dBm	24±1dBm	24±1dBm	24±1dBm
10	25		23±1dBm	23±1dBm	23±1dBm	23±1dBm	23±1dBm
10	50		23±1dBm	23±1dBm	23±1dBm	23±1dBm	23±1dBm
10	1	16- QAM	23.5±1dBm	23.5±1dBm	23.5±1dBm	23±1dBm	23.5±1dBm
10	25		22±1dBm	22±1dBm	22±1dBm	22±1dBm	22±1dBm
10	50		22±1dBm	22±1dBm	22±1dBm	22±1dBm	22±1dBm
15	1	QPSK	N/A	N/A	24±1dBm	N/A	24±1dBm
15	36		N/A	N/A	23±1dBm	N/A	23±1dBm
15	75		N/A	N/A	23±1dBm	N/A	23±1dBm
15	1	16- QAM	N/A	N/A	23.5±1dBm	N/A	23.5±1dBm
15	36		N/A	N/A	22±1dBm	N/A	22±1dBm
15	75		N/A	N/A	22±1dBm	N/A	22±1dBm
20	1	QPSK	N/A	N/A	24±1dBm	N/A	N/A
20	50		N/A	N/A	23±1dBm	N/A	N/A
20	100		N/A	N/A	23±1dBm	N/A	N/A
20	1	16- QAM	N/A	N/A	23.5±1dBm	N/A	N/A
20	50		N/A	N/A	22±1dBm	N/A	N/A
20	100		N/A	N/A	22±1dBm	N/A	N/A

BW[MHz]	RB Size	Mode	Band 38	Band 40 (2305-2315)	Band 40 (2350-2360)	Band 41	Band 66
1.4	1	QPSK	N/A	N/A	N/A	N/A	22.5±1dBm
1.4	3		N/A	N/A	N/A	N/A	22.5±1dBm
1.4	6		N/A	N/A	N/A	N/A	22±1dBm
1.4	1	16- QAM	N/A	N/A	N/A	N/A	21.5±1dBm
1.4	3		N/A	N/A	N/A	N/A	21.5±1dBm
1.4	6		N/A	N/A	N/A	N/A	21±1dBm
3	1	QPSK	N/A	N/A	N/A	N/A	22.5±1dBm
3	8		N/A	N/A	N/A	N/A	21.5±1dBm
3	15		N/A	N/A	N/A	N/A	21.5±1dBm
3	1	16- QAM	N/A	N/A	N/A	N/A	22±1dBm
3	8		N/A	N/A	N/A	N/A	20.5±1dBm
3	15		N/A	N/A	N/A	N/A	21±1dBm
5	1	QPSK	22.5±1dBm	11±1dBm	11±1dBm	22±1dBm	22.5±1dBm
5	12		22.5±1dBm	10±1dBm	10±1dBm	22±1dBm	21.5±1dBm
5	25		22±1dBm	10±1dBm	10±1dBm	22±1dBm	21.5±1dBm
5	1	16- QAM	22.5±1dBm	11±1dBm	10.5±1dBm	22.5±1dBm	22±1dBm
5	12		22±1dBm	9±1dBm	9±1dBm	22.5±1dBm	20.5±1dBm
5	25		22±1dBm	9±1dBm	9±1dBm	22.5±1dBm	20.5±1dBm
10	1	QPSK	22.5±1dBm	11±1dBm	11±1dBm	22.5±1dBm	22.5±1dBm
10	25		22±1dBm	10±1dBm	10±1dBm	22.5±1dBm	22.5±1dBm
10	50		22±1dBm	10±1dBm	10±1dBm	22±1dBm	22.5±1dBm
10	1	16- QAM	23±1dBm	10.5±1dBm	10±1dBm	23±1dBm	21.5±1dBm
10	25		22.5±1dBm	9±1dBm	9±1dBm	22.5±1dBm	21.5±1dBm
10	50		22.5±1dBm	9±1dBm	9±1dBm	22.5±1dBm	21±1dBm
15	1	QPSK	22.5±1dBm	N/A	N/A	22.5±1dBm	22.5±1dBm
15	36		22±1dBm	N/A	N/A	22.5±1dBm	22.5±1dBm
15	75		22±1dBm	N/A	N/A	22.5±1dBm	22±1dBm
15	1	16- QAM	22.5±1dBm	N/A	N/A	22.5±1dBm	22±1dBm
15	36		22.5±1dBm	N/A	N/A	22.5±1dBm	21.5±1dBm
15	75		22±1dBm	N/A	N/A	22.5±1dBm	21±1dBm
20	1	QPSK	22.5±1dBm	N/A	N/A	22.5±1dBm	23±1dBm
20	50		22.5±1dBm	N/A	N/A	22.5±1dBm	23±1dBm
20	100		22.5±1dBm	N/A	N/A	22±1dBm	22±1dBm
20	1	16- QAM	23±1dBm	N/A	N/A	23±1dBm	22±1dBm
20	50		22.5±1dBm	N/A	N/A	22.5±1dBm	22±1dBm
20	100		22±1dBm	N/A	N/A	22±1dBm	20.5±1dBm

Mode	BT
GFSK	0.5±1dBm
π/4-DQPSK	0.5±1dBm
8DPSK	0.5±1dBm

Mode	BLE
GFSK(1Mbps)	0.5±1dBm
GFSK(2Mbps)	0.5±1dBm

Mode	2.4G WLAN ANT 1	2.4G WLAN ANT 2	2.4G WLAN MIMO
802.11b	16.5±1dBm	16±1dBm	N/A
802.11g	14.5±1dBm	13.5±1dBm	N/A
802.11n(HT20)	14±1dBm	12.5±1dBm	15.5±1dBm
802.11n(HT40)	14±1dBm	12.5±1dBm	15.5±1dBm
802.11ax-HE20	12±1dBm	11±1dBm	12±1dBm
802.11ac-VHT40	12±1dBm	11±1dBm	12.5±1dBm

Mode	5.2G WLAN ANT 1	5.2G WLAN ANT 2	5.2G WLAN MIMO
802.11a	14.5±1dBm	17±1dBm	N/A
802.11n-HT20	13±1dBm	15±1dBm	14.5±1dBm
802.11n-HT40	13.5±1dBm	14.5±1dBm	15±1dBm
802.11ac-VHT20	12.5±1dBm	13.5±1dBm	13±1dBm
802.11ac-VHT40	12±1dBm	13.5±1dBm	14.5±1dBm
802.11ac-VHT80	11.5±1dBm	12.5±1dBm	12.5±1dBm
802.11ax-VHT20	11±1dBm	12.5±1dBm	13±1dBm
802.11ax-VHT40	11±1dBm	13±1dBm	13±1dBm
802.11ax-VHT80	10.5±1dBm	12±1dBm	12.5±1dBm

Mode	5.3G WLAN ANT 1	5.3G WLAN ANT 2	5.3G WLAN MIMO
802.11a	15±1dBm	17±1dBm	N/A
802.11n-HT20	13.5±1dBm	15±1dBm	15±1dBm
802.11n-HT40	13.5±1dBm	15±1dBm	14.5±1dBm
802.11ac-VHT20	12.5±1dBm	14±1dBm	14±1dBm
802.11ac-VHT40	12.5±1dBm	14±1dBm	13±1dBm
802.11ac-VHT80	11.5±1dBm	13.5±1dBm	12.5±1dBm
802.11ax-VHT20	11.5±1dBm	13±1dBm	13.5±1dBm
802.11ax-VHT40	11.5±1dBm	13.5±1dBm	13±1dBm
802.11ax-VHT80	11±1dBm	12.5±1dBm	12±1dBm

Mode	5.6G WLAN ANT 1	5.6G WLAN ANT 2	5.6G WLAN MIMO
802.11a	15.5±1dBm	16±1dBm	N/A
802.11n-HT20	13.5±1dBm	4±1dBm	14.5±1dBm
802.11n-HT40	13±1dBm	14±1dBm	15±1dBm
802.11ac-VHT20	12.5±1dBm	13±1dBm	13.5±1dBm
802.11ac-VHT40	12.5±1dBm	13±1dBm	13±1dBm
802.11ac-VHT80	12±1dBm	12.5±1dBm	12.5±1dBm
802.11ax-VHT20	11.5±1dBm	12±1dBm	13.5±1dBm
802.11ax-VHT40	11.5±1dBm	12±1dBm	13±1dBm
802.11ax-VHT80	11±1dBm	11.5±1dBm	12±1dBm

Mode	5.8G WLAN ANT 1	5.8G WLAN ANT 2	5.8G WLAN MIMO
802.11a	15.5±1dBm	16±1dBm	N/A
802.11n-HT20	13.5±1dBm	14±1dBm	15.5±1dBm
802.11n-HT40	13.5±1dBm	14±1dBm	15±1dBm
802.11ac-VHT20	12.5±1dBm	13±1dBm	14±1dBm
802.11ac-VHT40	12.5±1dBm	13±1dBm	14±1dBm
802.11ac-VHT80	12.5±1dBm	12.5±1dBm	13±1dBm
802.11ax-VHT20	14±1dBm	12±1dBm	14±1dBm
802.11ax-VHT40	11.5±1dBm	12±1dBm	12.5±1dBm
802.11ax-VHT80	11.5±1dBm	12±1dBm	12.5±1dBm

BW[MHz]	Mode	SA N2	SA N5	SA N7	SA N25
5	DFT_BPSK	23±1dBm	22.5±1dBm	23±1dBm	23.2±1dBm
5	DFT_QPSK	23±1dBm	22.5±1dBm	23±1dBm	23.2±1dBm
5	DFT_QAM16	22.5±1dBm	21.6±1dBm	22±1dBm	22.5±1dBm
5	DFT_QAM64	21±1dBm	20±1dBm	20.5±1dBm	21±1dBm
5	DFT_QAM256	19±1dBm	18±1dBm	18.5±1dBm	19±1dBm
5	CP_QPSK	22±1dBm	21.5±1dBm	21.5±1dBm	22±1dBm
10	DFT_BPSK	23.1±1dBm	22.5±1dBm	23±1dBm	23.2±1dBm
10	DFT_QPSK	23±1dBm	22.5±1dBm	23±1dBm	23.2±1dBm
10	DFT_QAM16	22.5±1dBm	21.6±1dBm	22±1dBm	23±1dBm
10	DFT_QAM64	21±1dBm	20±1dBm	20.5±1dBm	21±1dBm
10	DFT_QAM256	19±1dBm	18±1dBm	18.5±1dBm	19±1dBm
10	CP_QPSK	22±1dBm	21.5±1dBm	21.5±1dBm	22±1dBm
15	DFT_BPSK	23±1dBm	23.5±1dBm	23±1dBm	23.2±1dBm
15	DFT_QPSK	23±1dBm	22.5±1dBm	23±1dBm	23.2±1dBm
15	DFT_QAM16	22.5±1dBm	21.6±1dBm	22±1dBm	22.5±1dBm
15	DFT_QAM64	21±1dBm	20±1dBm	20.5±1dBm	21±1dBm
15	DFT_QAM256	19±1dBm	18±1dBm	18.5±1dBm	19±1dBm
15	CP_QPSK	22±1dBm	21.5±1dBm	21.5±1dBm	22±1dBm
20	DFT_BPSK	23.5±1dBm	23±1dBm	23±1dBm	23.5±1dBm
20	DFT_QPSK	23.5±1dBm	23±1dBm	23±1dBm	23.5±1dBm
20	DFT_QAM16	22.5±1dBm	21.6±1dBm	22±1dBm	23±1dBm
20	DFT_QAM64	21±1dBm	20±1dBm	20.5±1dBm	21±1dBm
20	DFT_QAM256	19±1dBm	18±1dBm	18.5±1dBm	19±1dBm
20	CP_QPSK	22±1dBm	21.5±1dBm	21.5±1dBm	22±1dBm

BW[MHz]	Mode	SA N38	SA N41	SA N66	SA N77 (3450-3550)	SA N77 (3700-3980)
5	DFT_BPSK	/	/	23±1dBm	/	/
5	DFT_QPSK	/	/	23±1dBm	/	/
5	DFT_QAM16	/	/	22.5±1dBm	/	/
5	DFT_QAM64	/	/	21±1dBm	/	/
5	DFT_QAM256	/	/	19±1dBm	/	/
5	CP_QPSK	/	/	22±1dBm	/	/
10	DFT_BPSK	23±1dBm	23.3±1dBm	23±1dBm	24.3±1dBm	24.5±1dBm
10	DFT_QPSK	23±1dBm	23.3±1dBm	23±1dBm	24.3±1dBm	24.5±1dBm
10	DFT_QAM16	22±1dBm	21.5±1dBm	22.5±1dBm	22.5±1dBm	22.5±1dBm
10	DFT_QAM64	20.5±1dBm	20±1dBm	21±1dBm	21±1dBm	21±1dBm
10	DFT_QAM256	18.5±1dBm	18±1dBm	19±1dBm	19±1dBm	19.5±1dBm
10	CP_QPSK	21.5±1dBm	21±1dBm	22±1dBm	22±1dBm	22±1dBm
15	DFT_BPSK	23±1dBm	23.3±1dBm	23±1dBm	24.3±1dBm	24.5±1dBm
15	DFT_QPSK	23±1dBm	23.3±1dBm	23±1dBm	24.3±1dBm	24.5±1dBm
15	DFT_QAM16	22±1dBm	21.5±1dBm	22.5±1dBm	22.5±1dBm	22.5±1dBm
15	DFT_QAM64	20.5±1dBm	20±1dBm	21±1dBm	21±1dBm	21±1dBm
15	DFT_QAM256	18.5±1dBm	18±1dBm	19±1dBm	19±1dBm	19.5±1dBm
15	CP_QPSK	21.5±1dBm	21±1dBm	22±1dBm	22±1dBm	22±1dBm
20	DFT_BPSK	23±1dBm	23.3±1dBm	23±1dBm	24.3±1dBm	24.5±1dBm
20	DFT_QPSK	23±1dBm	23.3±1dBm	23±1dBm	24.3±1dBm	24.5±1dBm
20	DFT_QAM16	22±1dBm	21.5±1dBm	22.5±1dBm	22.5±1dBm	22.5±1dBm
20	DFT_QAM64	20.5±1dBm	20±1dBm	21±1dBm	21±1dBm	21±1dBm
20	DFT_QAM256	18.5±1dBm	18±1dBm	19±1dBm	19±1dBm	19.5±1dBm
20	CP_QPSK	21.5±1dBm	21±1dBm	22±1dBm	22±1dBm	22±1dBm
25	DFT_BPSK	/	23.3±1dBm	23±1dBm	/	/
25	DFT_QPSK	/	23.3±1dBm	23±1dBm	/	/
25	DFT_QAM16	/	21.5±1dBm	22.5±1dBm	/	/
25	DFT_QAM64	/	20±1dBm	21±1dBm	/	/
25	DFT_QAM256	/	18±1dBm	19±1dBm	/	/
25	CP_QPSK	/	21±1dBm	22±1dBm	/	/
30	DFT_BPSK	/	23.3±1dBm	23±1dBm	/	/
30	DFT_QPSK	/	23.3±1dBm	23±1dBm	/	/
30	DFT_QAM16	/	21.5±1dBm	22.5±1dBm	/	/
30	DFT_QAM64	/	20±1dBm	21±1dBm	/	/
30	DFT_QAM256	/	18±1dBm	19±1dBm	/	/
30	CP_QPSK	/	21±1dBm	22±1dBm	/	/
40	DFT_BPSK	23±1dBm	23.3±1dBm	23.5±1dBm	24.3±1dBm	24.5±1dBm
40	DFT_QPSK	23±1dBm	23.3±1dBm	23.5±1dBm	24.3±1dBm	24.5±1dBm
40	DFT_QAM16	22±1dBm	21.5±1dBm	22.5±1dBm	22.5±1dBm	22.5±1dBm
40	DFT_QAM64	20.5±1dBm	20±1dBm	21±1dBm	21±1dBm	21±1dBm
40	DFT_QAM256	18.5±1dBm	18±1dBm	19±1dBm	19±1dBm	19.5±1dBm
40	CP_QPSK	21.5±1dBm	21±1dBm	22±1dBm	22±1dBm	22±1dBm
50	DFT_BPSK	/	23.3±1dBm	/	24.3±1dBm	24.5±1dBm
50	DFT_QPSK	/	23.3±1dBm	/	24.3±1dBm	24.5±1dBm
50	DFT_QAM16	/	21.5±1dBm	/	22.5±1dBm	22.5±1dBm
50	DFT_QAM64	/	20±1dBm	/	21±1dBm	21±1dBm

50	DFT_QAM256	/	18±1dBm	/	19±1dBm	19.5±1dBm
50	CP_QPSK	/	21±1dBm	/	22±1dBm	22±1dBm
60	DFT_BPSK	/	23.3±1dBm	/	24.3±1dBm	24.5±1dBm
60	DFT_QPSK	/	23.3±1dBm	/	24.3±1dBm	24.5±1dBm
60	DFT_QAM16	/	21.5±1dBm	/	22.5±1dBm	22.5±1dBm
60	DFT_QAM64	/	20±1dBm	/	21±1dBm	21±1dBm
60	DFT_QAM256	/	18±1dBm	/	19±1dBm	19.5±1dBm
60	CP_QPSK	/	21±1dBm	/	22±1dBm	22±1dBm
70	DFT_BPSK	/	/	/	24.3±1dBm	24.5±1dBm
70	DFT_QPSK	/	/	/	24.3±1dBm	24.5±1dBm
70	DFT_QAM16	/	/	/	22.5±1dBm	22.5±1dBm
70	DFT_QAM64	/	/	/	21±1dBm	21±1dBm
70	DFT_QAM256	/	/	/	19±1dBm	19.5±1dBm
70	CP_QPSK	/	/	/	22±1dBm	22±1dBm
80	DFT_BPSK	/	23.3±1dBm	/	24.3±1dBm	24.5±1dBm
80	DFT_QPSK	/	23.3±1dBm	/	24.3±1dBm	24.5±1dBm
80	DFT_QAM16	/	22±1dBm	/	22.5±1dBm	23±1dBm
80	DFT_QAM64	/	20±1dBm	/	21±1dBm	21±1dBm
80	DFT_QAM256	/	18±1dBm	/	19±1dBm	19.5±1dBm
80	CP_QPSK	/	21±1dBm	/	22±1dBm	22±1dBm
90	DFT_BPSK	/	23.3±1dBm	/	24.3±1dBm	24.5±1dBm
90	DFT_QPSK	/	23.3±1dBm	/	24.3±1dBm	24.5±1dBm
90	DFT_QAM16	/	21.5±1dBm	/	22.5±1dBm	23±1dBm
90	DFT_QAM64	/	20±1dBm	/	21±1dBm	21±1dBm
90	DFT_QAM256	/	18±1dBm	/	19±1dBm	19.5±1dBm
90	CP_QPSK	/	21±1dBm	/	22±1dBm	22±1dBm
100	DFT_BPSK	/	23.5±1dBm	/	24.5±1dBm	24.5±1dBm
100	DFT_QPSK	/	23.5±1dBm	/	24.5±1dBm	24.5±1dBm
100	DFT_QAM16	/	22±1dBm	/	22.5±1dBm	23±1dBm
100	DFT_QAM64	/	20±1dBm	/	21±1dBm	21±1dBm
100	DFT_QAM256	/	18±1dBm	/	19±1dBm	19.5±1dBm
100	CP_QPSK	/	21±1dBm	/	22±1dBm	22±1dBm

BW[MHz]	Mode	NSA N41+B5
10	DFT_BPSK	22.5±1dBm
10	DFT_QPSK	22.5±1dBm
10	DFT_QAM16	21.5±1dBm
10	DFT_QAM64	20±1dBm
10	DFT_QAM256	18±1dBm
10	CP_QPSK	21±1dBm
15	DFT_BPSK	22.5±1dBm
15	DFT_QPSK	22.5±1dBm
15	DFT_QAM16	21.5±1dBm
15	DFT_QAM64	20±1dBm
15	DFT_QAM256	18±1dBm
15	CP_QPSK	21±1dBm
20	DFT_BPSK	22.5±1dBm
20	DFT_QPSK	22.5±1dBm
20	DFT_QAM16	21.5±1dBm
20	DFT_QAM64	20±1dBm
20	DFT_QAM256	18±1dBm
20	CP_QPSK	21±1dBm
30	DFT_BPSK	22.5±1dBm
30	DFT_QPSK	22.5±1dBm
30	DFT_QAM16	21.5±1dBm
30	DFT_QAM64	20±1dBm
30	DFT_QAM256	18±1dBm
30	CP_QPSK	21±1dBm
40	DFT_BPSK	22.5±1dBm
40	DFT_QPSK	22.5±1dBm
40	DFT_QAM16	21.5±1dBm
40	DFT_QAM64	20±1dBm
40	DFT_QAM256	18±1dBm
40	CP_QPSK	21±1dBm
50	DFT_BPSK	22.5±1dBm
50	DFT_QPSK	22.5±1dBm
50	DFT_QAM16	21.5±1dBm
50	DFT_QAM64	20±1dBm
50	DFT_QAM256	18±1dBm
50	CP_QPSK	21±1dBm
60	DFT_BPSK	22.5±1dBm
60	DFT_QPSK	22.5±1dBm
60	DFT_QAM16	21±1dBm
60	DFT_QAM64	20±1dBm
60	DFT_QAM256	18±1dBm
60	CP_QPSK	21±1dBm
80	DFT_BPSK	22.5±1dBm
80	DFT_QPSK	22.5±1dBm
80	DFT_QAM16	21.5±1dBm
80	DFT_QAM64	20±1dBm
80	DFT_QAM256	18±1dBm

80	CP_QPSK	21±1dBm
90	DFT_BPSK	22.5±1dBm
90	DFT_QPSK	22.5±1dBm
90	DFT_QAM16	21.5±1dBm
90	DFT_QAM64	20±1dBm
90	DFT_QAM256	18±1dBm
90	CP_QPSK	21±1dBm
100	DFT_BPSK	23±1dBm
100	DFT_QPSK	23±1dBm
100	DFT_QAM16	21.5±1dBm
100	DFT_QAM64	20±1dBm
100	DFT_QAM256	18±1dBm
100	CP_QPSK	21±1dBm

11. EUT and Test Setup Photo

11.1 EUT Photos

Front side

Back side

Right Edge

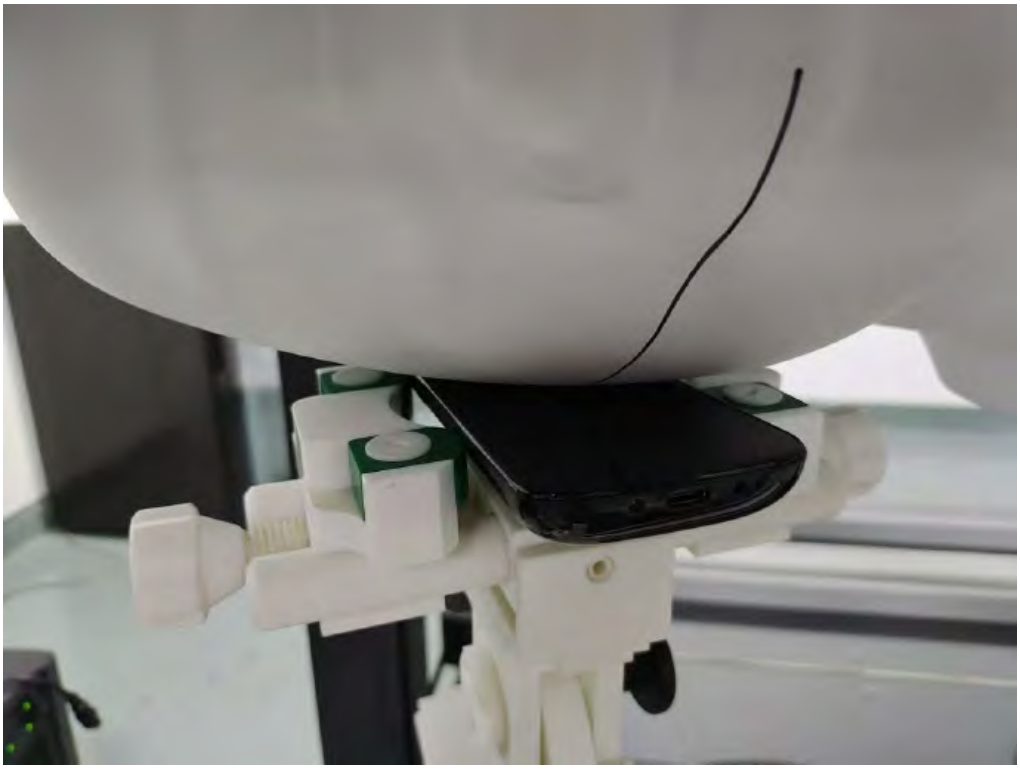
Left Edge

Top Edge

Bottom Edge

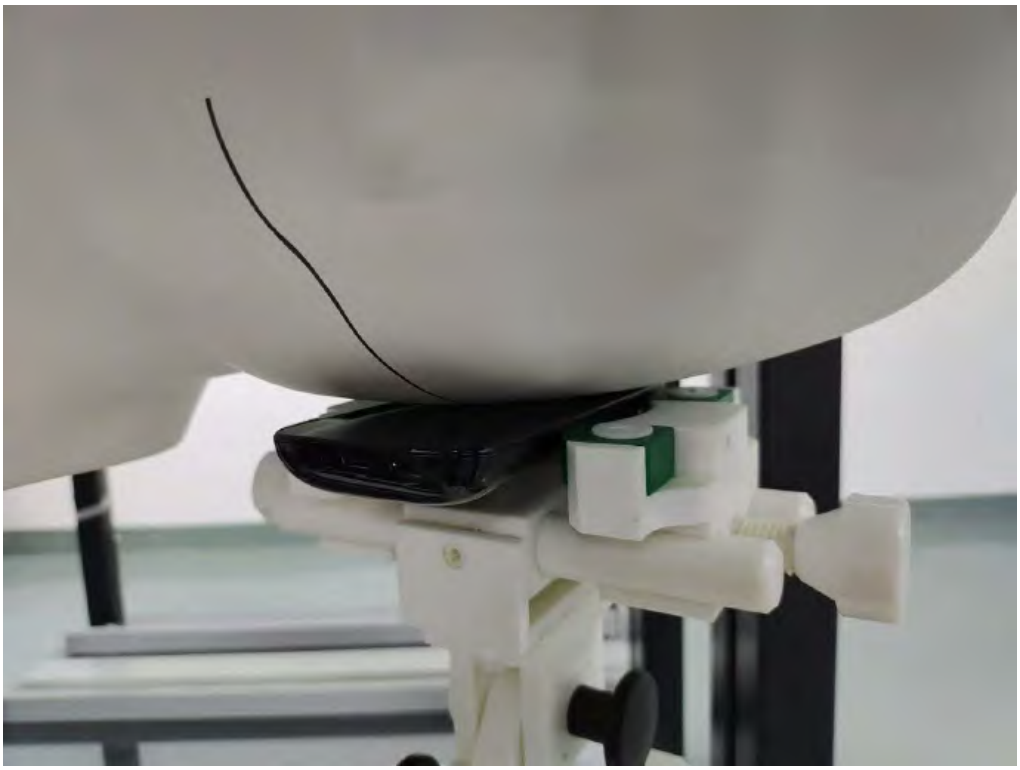
11.2 Setup Photos

Right Touch

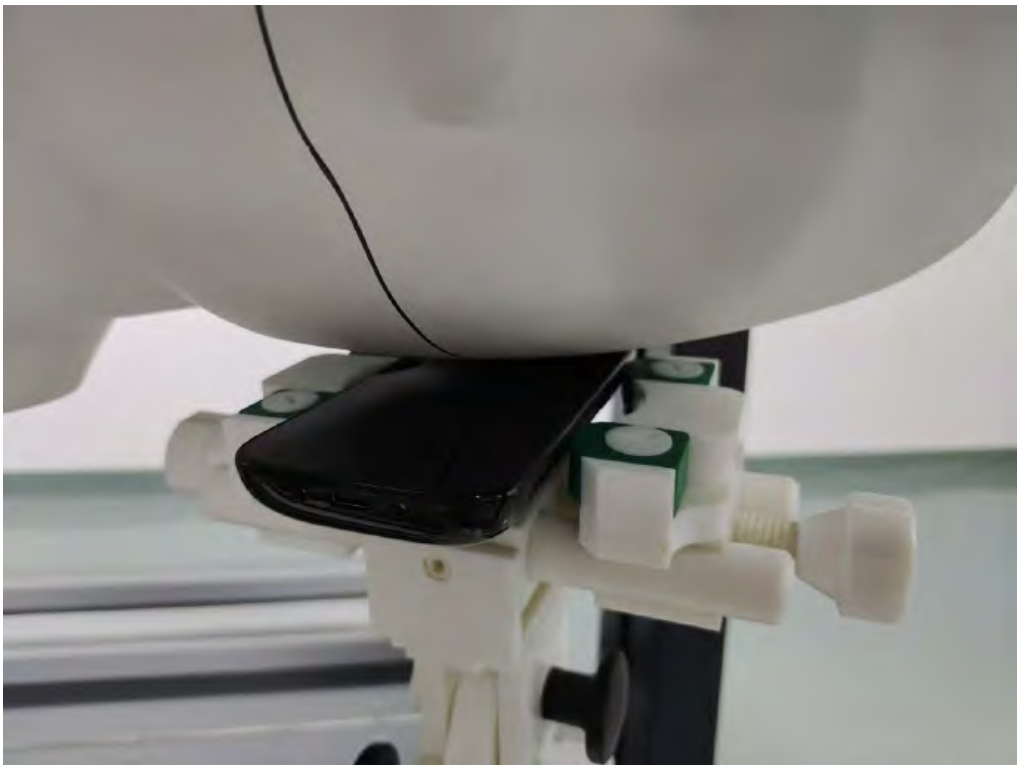


Right Tilt

Left Touch



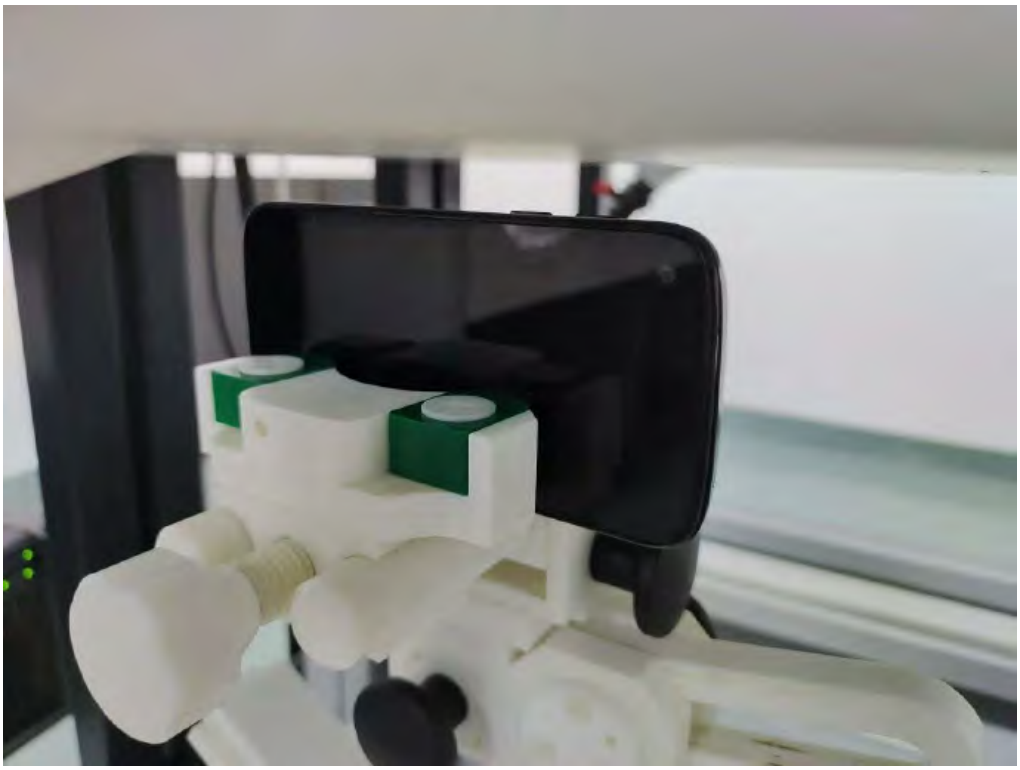
Left Tilt



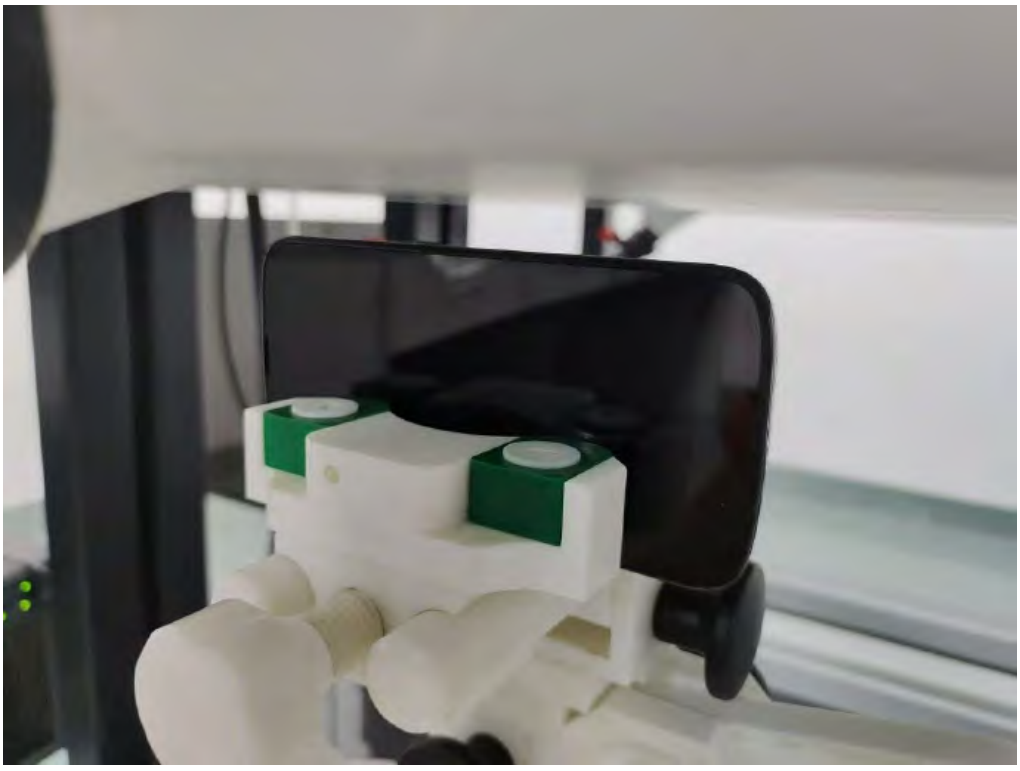
Body Front side (separation distance is 10mm)

Body Back side (separation distance10mm)

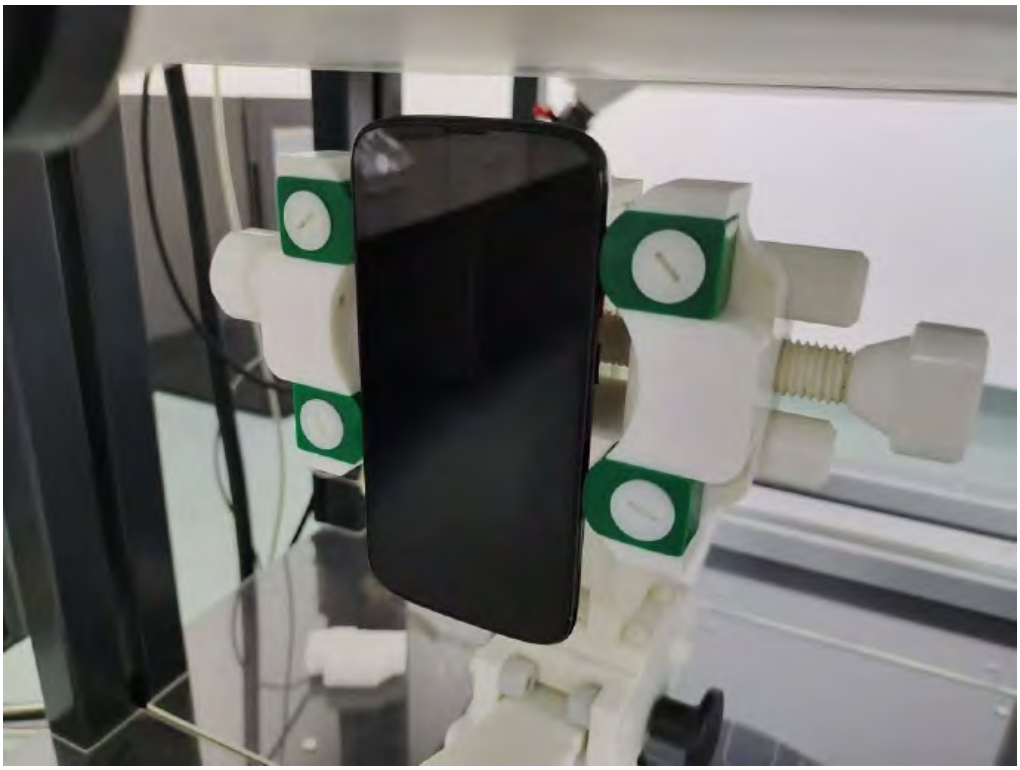
Body Left side (separation distance is 10mm)



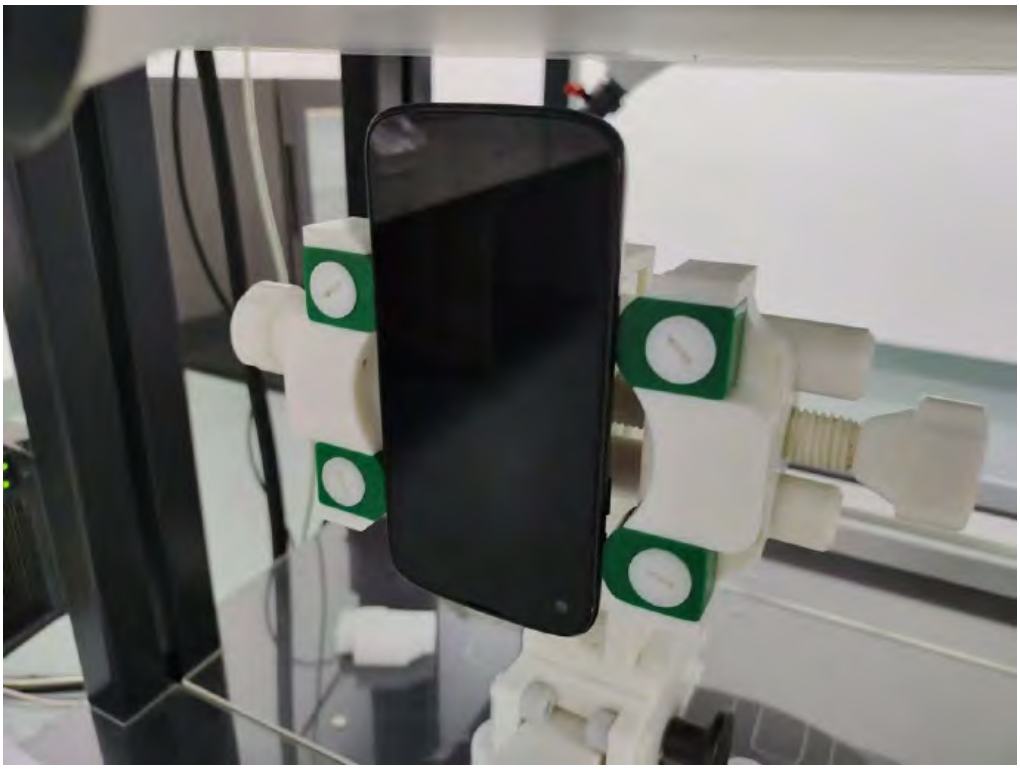
Body Right side (separation distance is 10mm)



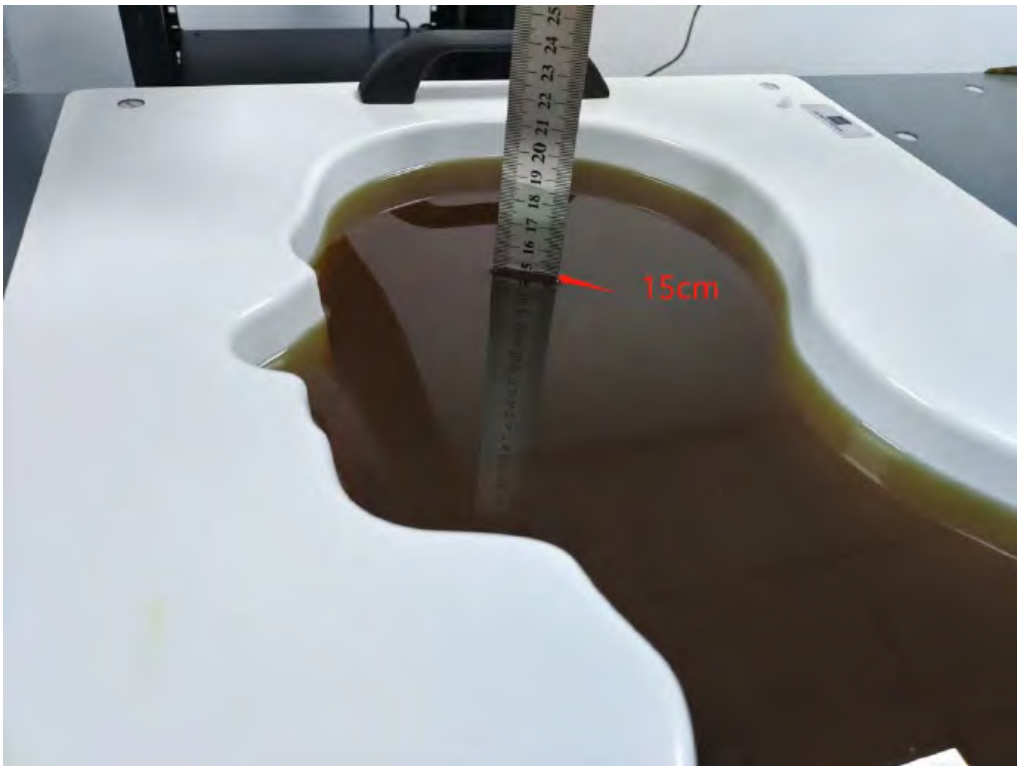
Body Top side (separation distance is 10mm)



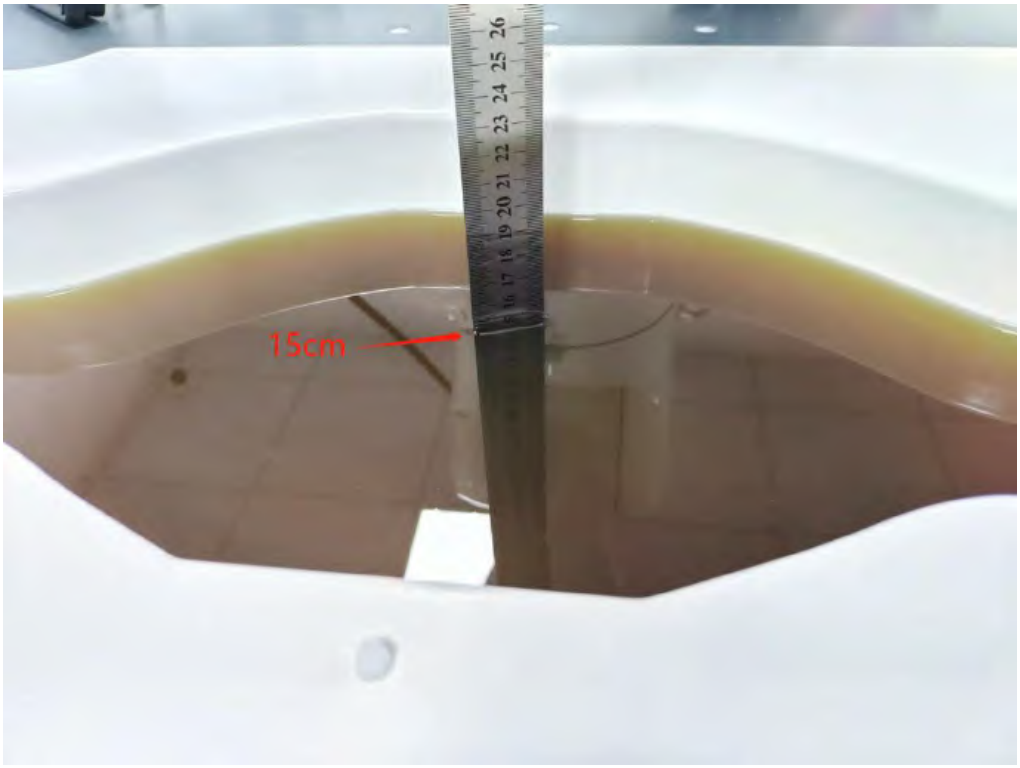
Body Bottom side (separation distance is 10mm)



Liquid depth (15 cm)



Liquid depth (15 cm)



12. SAR Result Summary

12.1 Head SAR

Band	Model	Test Position	Freq.	SAR (1g) (W/kg)	Power Drift (%)	Max. Turn-up Power (dBm)	Meas. Output Power (dBm)	Scaled SAR (W/Kg)	Meas. No.
GSM850	GSM	Right Cheek	848.8	0.363	0.23	34.00	33.56	**0.402**	**1**
		Right Tilt	848.8	0.254	1.75	34.00	33.56	0.281	/
		Left Cheek	848.8	0.305	-2.09	34.00	33.56	0.338	/
		Left Tilt	848.8	0.214	-3.69	34.00	33.56	0.237	/
PCS 1900	GSM	Right Cheek	1909.8	0.123	3.01	31.00	30.89	**0.126**	**3**
		Right Tilt	1909.8	0.088	1.26	31.00	30.89	0.090	/
		Left Cheek	1909.8	0.121	0.85	31.00	30.89	0.124	/
		Left Tilt	1909.8	0.095	3.92	31.00	30.89	0.097	/
WCDMA Band II	RMC	Right Cheek	1907.6	0.155	-3.61	24.00	23.93	**0.158**	**5**
		Right Tilt	1907.6	0.119	1.68	24.00	23.93	0.121	/
		Left Cheek	1907.6	0.144	3.72	24.00	23.93	0.146	/
		Left Tilt	1907.6	0.101	-2.25	24.00	23.93	0.103	/
WCDMA Band IV	RMC	Right Cheek	1752.4	0.344	-1.68	24.00	23.64	**0.374**	**7**
		Right Tilt	1752.4	0.246	-2.22	24.00	23.64	0.267	/
		Left Cheek	1752.4	0.299	1.34	24.00	23.64	0.325	/
		Left Tilt	1752.4	0.203	0.00	24.00	23.64	0.221	/
WCDMA Band V	RMC	Right Cheek	826.4	0.370	1.77	23.50	23.33	**0.385**	**9**
		Right Tilt	826.4	0.244	1.94	23.50	23.33	0.254	/
		Left Cheek	826.4	0.288	2.80	23.50	23.33	0.299	/
		Left Tilt	826.4	0.202	0.79	23.50	23.33	0.210	/
CDMA	BC0	Right Cheek	836.52	0.080	2.36	23.00	22.63	**0.087**	**11**
		Right Tilt	836.52	0.053	0.98	23.00	22.63	0.058	/
		Left Cheek	836.52	0.073	0.71	23.00	22.63	0.079	/
		Left Tilt	836.52	0.048	2.06	23.00	22.63	0.052	/
CDMA	BC1	Right Cheek	1908.75	0.075	0.09	23.00	22.83	**0.078**	**13**
		Right Tilt	1908.75	0.046	-1.99	23.00	22.83	0.048	/
		Left Cheek	1908.75	0.066	-1.47	23.00	22.83	0.069	/
		Left Tilt	1908.75	0.040	3.17	23.00	22.83	0.042	/
2.4GHz WLAN ANT 1	802.11b	Right Cheek	2462	0.090	2.85	17.50	17.32	**0.094**	**15**
		Right Tilt	2462	0.064	0.52	17.50	17.32	0.067	/
		Left Cheek	2462	0.088	-3.94	17.50	17.32	0.092	/
		Left Tilt	2462	0.054	0.31	17.50	17.32	0.056	/
2.4GHz WLAN ANT 2	802.11b	Right Cheek	2412	0.063	-0.18	17.00	16.81	0.066	/
		Right Tilt	2412	0.090	1.51	17.00	16.81	0.094	/
		Left Cheek	2412	0.097	0.81	17.00	16.81	0.101	/
		Left Tilt	2412	0.098	-3.41	17.00	16.81	**0.102**	**17**
2.4GHz WLAN ANT MIMO	802.11n-HT40	Right Cheek	2437	0.053	0.14	16.50	16.45	0.054	/
		Right Tilt	2437	0.099	3.96	16.50	16.45	**0.100**	**19**
		Left Cheek	2437	0.035	3.87	16.50	16.45	0.035	/
		Left Tilt	2437	0.068	-0.99	16.50	16.45	0.069	/

2.4GHz WLAN ANT 2 MIMO	802.11n-HT40	Right Cheek	2437	0.030	2.95	16.50	16.45	0.030	/
		Right Tilt	2437	0.059	-0.44	16.50	16.45	**0.060**	**21**
		Left Cheek	2437	0.020	-3.75	16.50	16.45	0.020	/
		Left Tilt	2437	0.040	3.00	16.50	16.45	0.040	/
5.2GHz WLAN ANT 1	802.11a	Right Cheek	5240	0.125	-2.45	15.50	15.25	**0.132**	**23**
		Right Tilt	5240	0.111	3.62	15.50	15.25	0.118	/
		Left Cheek	5240	0.075	3.55	15.50	15.25	0.079	/
		Left Tilt	5240	0.067	1.63	15.50	15.25	0.071	/
5.2GHz WLAN ANT 2	802.11a	Right Cheek	5180	0.154	2.61	18.00	17.58	0.170	/
		Right Tilt	5180	0.042	2.41	18.00	17.58	0.046	/
		Left Cheek	5180	0.254	-2.36	18.00	17.58	**0.280**	**25**
		Left Tilt	5180	0.026	1.65	18.00	17.58	0.029	/
5.2GHz WLAN ANT 1 MIMO	802.11n-HT40	Right Cheek	5230	0.112	-0.81	16.00	15.82	0.117	/
		Right Tilt	5230	0.277	1.22	16.00	15.82	**0.289**	**27**
		Left Cheek	5230	0.095	1.19	16.00	15.82	0.099	/
		Left Tilt	5230	0.154	-3.62	16.00	15.82	0.161	/
5.2GHz WLAN ANT 2 MIMO	802.11n-HT40	Right Cheek	5230	0.147	1.17	16.00	15.82	0.153	/
		Right Tilt	5230	0.166	2.47	16.00	15.82	**0.173**	**29**
		Left Cheek	5230	0.105	-3.87	16.00	15.82	0.109	/
		Left Tilt	5230	0.088	-2.97	16.00	15.82	0.092	/
5.3GHz WLAN ANT 1	802.11a	Right Cheek	5260	0.097	-0.42	16.00	15.56	**0.107**	**31**
		Right Tilt	5260	0.090	-3.74	16.00	15.56	0.100	/
		Left Cheek	5260	0.062	1.43	16.00	15.56	0.069	/
		Left Tilt	5260	0.058	-0.28	16.00	15.56	0.064	/
5.3GHz WLAN ANT 2	802.11a	Right Cheek	5260	0.135	-1.54	18.00	17.54	0.150	/
		Right Tilt	5260	0.082	-0.90	18.00	17.54	0.091	/
		Left Cheek	5260	0.224	-0.21	18.00	17.54	**0.249**	**33**
		Left Tilt	5260	0.139	0.56	18.00	17.54	0.155	/
5.3GHz WLAN ANT MIMO	802.11n-HT20	Right Cheek	5320	0.081	-3.57	16.00	15.59	0.089	/
		Right Tilt	5320	0.157	2.68	16.00	15.59	**0.173**	**35**
		Left Cheek	5320	0.053	3.30	16.00	15.59	0.058	/
		Left Tilt	5320	0.104	3.48	16.00	15.59	0.114	/
5.3GHz WLAN ANT 2 MIMO	802.11n-HT20	Right Cheek	5320	0.131	-0.03	16.00	15.59	0.144	/
		Right Tilt	5320	0.262	-0.80	16.00	15.59	**0.288**	**37**
		Left Cheek	5320	0.088	2.31	16.00	15.59	0.097	/
		Left Tilt	5320	0.174	2.03	16.00	15.59	0.191	/
5.6GHz WLAN ANT 1	802.11a	Right Cheek	5700	0.289	-0.94	16.50	16.04	**0.321**	**39**
		Right Tilt	5700	0.261	-1.43	16.50	16.04	0.290	/
		Left Cheek	5700	0.174	0.80	16.50	16.04	0.193	/
		Left Tilt	5700	0.158	2.99	16.50	16.04	0.176	/
5.6GHz WLAN ANT 2	802.11a	Right Cheek	5580	0.155	-2.12	17.00	16.89	0.159	/
		Right Tilt	5580	0.097	-0.96	17.00	16.89	0.099	/
		Left Cheek	5580	0.251	1.67	17.00	16.89	**0.257**	**41**
		Left Tilt	5580	0.154	1.01	17.00	16.89	0.158	/

5.6GHz WLAN ANT 1 MIMO	802.11n-HT40	Right Cheek	5550	0.063	1.29	16.00	15.63	0.069	/
		Right Tilt	5550	0.123	-0.40	16.00	15.63	**0.134**	**43**
		Left Cheek	5550	0.044	2.03	16.00	15.63	0.048	/
		Left Tilt	5550	0.083	2.01	16.00	15.63	0.090	/
5.6GHz WLAN ANT 2 MIMO	802.11n-HT40	Right Cheek	5550	0.066	3.10	16.00	15.63	0.072	/
		Right Tilt	5550	0.126	-3.17	16.00	15.63	**0.137**	**45**
		Left Cheek	5550	0.041	-1.22	16.00	15.63	0.045	/
		Left Tilt	5550	0.082	-3.34	16.00	15.63	0.089	/
5.8GHz WLAN ANT 1	802.11a	Right Cheek	5745	0.334	-1.64	16.50	16.08	**0.368**	**47**
		Right Tilt	5745	0.299	0.00	16.50	16.08	0.329	/
		Left Cheek	5745	0.204	-3.85	16.50	16.08	0.225	/
		Left Tilt	5745	0.182	0.83	16.50	16.08	0.200	/
5.8GHz WLAN ANT 2	802.11a	Right Cheek	5785	0.247	-2.77	17.00	16.84	**0.256**	**49**
		Right Tilt	5785	0.224	3.56	17.00	16.84	0.232	/
		Left Cheek	5785	0.148	-3.05	17.00	16.84	0.154	/
		Left Tilt	5785	0.136	1.35	17.00	16.84	0.141	/
5.8GHz WLAN ANT 1 MIMO	802.11n-HT20	Right Cheek	5785	0.200	0.80	16.50	16.11	0.219	/
		Right Tilt	5785	0.393	-2.14	16.50	16.11	**0.430**	**51**
		Left Cheek	5785	0.129	-3.57	16.50	16.11	0.141	/
		Left Tilt	5785	0.257	-1.37	16.50	16.11	0.281	/
5.8GHz WLAN ANT 2 MIMO	802.11n-HT20	Right Cheek	5785	0.089	-2.04	16.50	16.11	0.097	/
		Right Tilt	5785	0.171	-0.69	16.50	16.11	**0.187**	**53**
		Left Cheek	5785	0.057	2.48	16.50	16.11	0.062	/
		Left Tilt	5785	0.111	-3.13	16.50	16.11	0.121	/

Band	Mode	Max SAR (W/Kg)	WIFI MIMO
2.4G WLAN	802.11n-HT40	0.100	0.160
	802.11n-HT40	0.060	
5.2G WLAN	802.11n-HT40	0.289	0.462
	802.11n-HT40	0.173	
5.3G WLAN	802.11n-HT20	0.173	0.461
	802.11n-HT20	0.288	
5.6G WLAN	802.11n-HT40	0.134	0.271
	802.11n-HT40	0.137	
5.8G WLAN	802.11n-HT20	0.430	0.617
	802.11n-HT20	0.187	

Band	BW (MHz)	Mod.	RB Size	RB offset	Test Position	Freq.	SAR (1g) (W/kg)	Power Drift (%)	Max. Turn-up Power (dBm)	Meas. Output Power (dBm)	Scaled SAR (W/Kg)	Meas. No.
LTE Band 2	20M	QPSK	1	0	Right Cheek	1900	0.313	2.81	25.00	24.91	**0.320**	**55**
			50	0	Right Cheek	1900	0.258	2.42	24.00	23.71	0.276	/
			1	0	Right Tilt	1900	0.253	-1.63	25.00	24.91	0.258	/
			50	0	Right Tilt	1900	0.219	3.41	24.00	23.71	0.234	/
			1	0	Left Cheek	1900	0.295	3.14	25.00	24.91	0.301	/
			50	0	Left Cheek	1900	0.242	-1.12	24.00	23.71	0.259	/
			1	0	Left Tilt	1900	0.231	3.87	25.00	24.91	0.236	/
			50	0	Left Tilt	1900	0.205	0.57	24.00	23.71	0.219	/
LTE Band 4	20M	QPSK	1	0	Right Cheek	1732.5	0.268	-0.90	24.00	23.56	0.297	/
			50	0	Right Cheek	1745	0.222	1.04	22.50	22.39	0.228	/
			1	0	Right Tilt	1732.5	0.224	0.97	24.00	23.56	0.248	/
			50	0	Right Tilt	1745	0.170	2.68	22.50	22.39	0.174	/
			1	0	Left Cheek	1732.5	0.272	-0.11	24.00	23.56	**0.301**	**57**
			50	0	Left Cheek	1745	0.197	-0.16	22.50	22.39	0.202	/
			1	0	Left Tilt	1732.5	0.216	1.51	24.00	23.56	0.239	/
			50	0	Left Tilt	1745	0.170	1.88	22.50	22.39	0.174	/
LTE Band 5	10M	QPSK	1	0	Right Cheek	829	0.329	-1.52	25.00	24.68	**0.354**	**59**
			25	0	Right Cheek	829	0.271	-0.07	24.00	23.56	0.300	/
			1	0	Right Tilt	829	0.258	0.78	25.00	24.68	0.278	/
			25	0	Right Tilt	829	0.216	-1.81	24.00	23.56	0.239	/
			1	0	Left Cheek	829	0.272	0.38	25.00	24.68	0.293	/
			25	0	Left Cheek	829	0.201	1.63	24.00	23.56	0.222	/
			1	0	Left Tilt	829	0.207	3.35	25.00	24.68	0.223	/
			25	0	Left Tilt	829	0.175	2.20	24.00	23.56	0.194	/
LTE Band 7	20M	QPSK	1	0	Right Cheek	2510	0.124	3.13	24.50	24.26	0.131	/
			50	0	Right Cheek	2510	0.084	-1.87	23.50	23.21	0.090	/
			1	0	Right Tilt	2510	0.098	2.27	24.50	24.26	0.104	/
			50	0	Right Tilt	2510	0.096	-0.15	23.50	23.21	0.103	/
			1	0	Left Cheek	2510	0.166	2.98	24.50	24.26	**0.175**	**61**
			50	0	Left Cheek	2510	0.128	0.24	23.50	23.21	0.137	/
			1	0	Left Tilt	2510	0.136	-3.36	24.50	24.26	0.144	/
			50	0	Left Tilt	2510	0.112	-3.04	23.50	23.21	0.120	/
LTE Band 12	10M	QPSK	1	0	Right Cheek	782	0.327	-1.63	25.00	24.88	**0.336**	**63**
			25	0	Right Cheek	782	0.258	1.11	24.00	23.77	0.272	/
			1	0	Right Tilt	782	0.260	1.12	25.00	24.88	0.267	/
			25	0	Right Tilt	782	0.218	-3.15	24.00	23.77	0.230	/
			1	0	Left Cheek	782	0.224	1.39	25.00	24.88	0.230	/
			25	0	Left Cheek	782	0.196	-0.57	24.00	23.77	0.207	/
			1	0	Left Tilt	782	0.186	-2.68	25.00	24.88	0.191	/
			25	0	Left Tilt	782	0.133	-1.40	24.00	23.77	0.140	/

LTE Band 13	10M	QPSK	1	0	Right Cheek	782	0.266	1.45	25.00	24.74	**0.282**	**65**
			25	0	Right Cheek	782	0.219	-3.65	24.00	23.62	0.239	/
			1	0	Right Tilt	782	0.209	-1.71	25.00	24.74	0.222	/
			25	0	Right Tilt	782	0.157	0.20	24.00	23.62	0.171	/
			1	0	Left Cheek	782	0.261	3.77	25.00	24.74	0.277	/
			25	0	Left Cheek	782	0.200	3.41	24.00	23.62	0.218	/
			1	0	Left Tilt	782	0.216	2.35	25.00	24.74	0.229	/
			25	0	Left Tilt	782	0.175	0.12	24.00	23.62	0.191	/
LTE Band 17	10M	QPSK	1	0	Right Cheek	709	0.261	-3.88	25.00	24.80	**0.273**	**67**
			25	0	Right Cheek	709	0.199	1.87	24.00	23.68	0.214	/
			1	0	Right Tilt	709	0.214	3.22	25.00	24.80	0.224	/
			25	0	Right Tilt	709	0.168	-0.14	24.00	23.68	0.181	/
			1	0	Left Cheek	709	0.212	-1.94	25.00	24.80	0.222	/
			25	0	Left Cheek	709	0.170	-1.59	24.00	23.68	0.183	/
			1	0	Left Tilt	709	0.163	2.77	25.00	24.80	0.171	/
			25	0	Left Tilt	709	0.121	-0.72	24.00	23.68	0.130	/
LTE Band 25	20M	QPSK	1	0	Right Cheek	1905	0.325	1.28	25.00	24.97	**0.327**	**69**
			50	0	Right Cheek	1905	0.267	1.26	24.00	23.90	0.273	/
			1	0	Right Tilt	1905	0.250	-2.69	25.00	24.97	0.252	/
			50	0	Right Tilt	1905	0.204	3.38	24.00	23.90	0.209	/
			1	0	Left Cheek	1905	0.271	-2.28	25.00	24.97	0.273	/
			50	0	Left Cheek	1905	0.225	-3.67	24.00	23.90	0.230	/
			1	0	Left Tilt	1905	0.221	-1.72	25.00	24.97	0.223	/
			50	0	Left Tilt	1905	0.186	-3.37	24.00	23.90	0.190	/
LTE Band 26	15M	QPSK	1	0	Right Cheek	831.5	0.348	3.40	25.00	24.79	**0.365**	**71**
			36	0	Right Cheek	831.5	0.268	-3.89	24.00	23.70	0.287	/
			1	0	Right Tilt	831.5	0.266	-2.86	25.00	24.79	0.279	/
			36	0	Right Tilt	831.5	0.215	1.54	24.00	23.70	0.230	/
			1	0	Left Cheek	831.5	0.300	-0.48	25.00	24.79	0.315	/
			36	0	Left Cheek	831.5	0.240	-0.08	24.00	23.70	0.257	/
			1	0	Left Tilt	831.5	0.235	3.56	25.00	24.79	0.247	/
			36	0	Left Tilt	831.5	0.171	-1.60	24.00	23.70	0.183	/
LTE Band 38	20M	QPSK	1	0	Right Cheek	2595	0.117	-3.80	23.50	23.35	**0.121**	**73**
			50	0	Right Cheek	2595	0.104	1.34	23.50	23.01	0.116	/
			1	0	Right Tilt	2595	0.101	3.22	23.50	23.35	0.105	/
			50	0	Right Tilt	2595	0.069	-0.25	23.50	23.01	0.077	/
			1	0	Left Cheek	2595	0.100	0.06	23.50	23.35	0.104	/
			50	0	Left Cheek	2595	0.075	-3.21	23.50	23.01	0.084	/
			1	0	Left Tilt	2595	0.083	2.85	23.50	23.35	0.086	/
			50	0	Left Tilt	2595	0.080	3.98	23.50	23.01	0.090	/

LTE Band 40	10M	QPSK	1	0	Right Cheek	2310	0.159	-0.15	12.00	11.96	**0.160**	**75**
			50	0	Right Cheek	2310	0.126	-0.86	11.00	10.81	0.132	/
			1	0	Right Tilt	2310	0.125	-2.65	12.00	11.96	0.126	/
			50	0	Right Tilt	2310	0.094	-0.51	11.00	10.81	0.098	/
			1	0	Left Cheek	2310	0.122	-0.16	12.00	11.96	0.123	/
			50	0	Left Cheek	2310	0.088	3.61	11.00	10.81	0.092	/
			1	0	Left Tilt	2310	0.111	-0.44	12.00	11.96	0.112	/
			50	0	Left Tilt	2310	0.106	0.84	11.00	10.81	0.111	/
LTE Band 41	20M	16QAM	1	0	Right Cheek	2506	0.112	3.96	24.00	23.62	**0.122**	**77**
			50	0	Right Cheek	2506	0.089	3.99	23.50	23.07	0.098	/
			1	0	Right Tilt	2506	0.086	2.17	24.00	23.62	0.094	/
			50	0	Right Tilt	2506	0.060	-1.60	23.50	23.07	0.066	/
			1	0	Left Cheek	2506	0.093	3.24	24.00	23.62	0.102	/
			50	0	Left Cheek	2506	0.077	2.52	23.50	23.07	0.085	/
			1	0	Left Tilt	2506	0.089	2.62	24.00	23.62	0.097	/
			50	0	Left Tilt	2506	0.076	-0.12	23.50	23.07	0.084	/
LTE Band 66	20M	QPSK	1	0	Right Cheek	1745	0.398	3.69	24.00	23.55	**0.441**	**79**
			50	0	Right Cheek	1745	0.321	3.15	24.00	23.50	0.360	/
			1	0	Right Tilt	1745	0.307	-2.54	24.00	23.55	0.341	/
			50	0	Right Tilt	1745	0.249	1.85	24.00	23.50	0.279	/
			1	0	Left Cheek	1745	0.250	3.35	24.00	23.55	0.277	/
			50	0	Left Cheek	1745	0.185	0.40	24.00	23.50	0.208	/
			1	0	Left Tilt	1745	0.206	-2.93	24.00	23.55	0.228	/
			50	0	Left Tilt	1745	0.175	3.59	24.00	23.50	0.196	/
SA N2	20M	DFT_ QPSK	1	1	Right Cheek	1860	0.152	2.07	24.50	23.91	0.174	/
			50	25	Right Cheek	1860	0.208	-2.54	24.50	23.94	**0.237**	**81**
			1	1	Right Tilt	1860	0.136	-2.52	24.50	23.91	0.156	/
			50	25	Right Tilt	1860	0.170	-0.32	24.50	23.94	0.193	/
			1	1	Left Cheek	1860	0.179	0.06	24.50	23.91	0.205	/
			50	25	Left Cheek	1860	0.207	1.98	24.50	23.94	0.235	/
			1	1	Left Tilt	1860	0.147	-2.75	24.50	23.91	0.168	/
			50	25	Left Tilt	1860	0.169	1.88	24.50	23.94	0.192	/
SA N5	20M	DFT_ QPSK	1	1	Right Cheek	839	0.390	3.25	24.00	23.39	0.449	/
			50	25	Right Cheek	834	0.499	1.74	24.00	23.40	**0.573**	**83**
			50	25	Right Cheek	836.5	0.438	0.82	24.00	23.25	0.521	/
			50	25	Right Cheek	839	0.402	-0.98	24.00	23.09	0.496	/
			1	1	Right Tilt	839	0.304	0.58	24.00	23.39	0.350	/
			50	25	Right Tilt	834	0.392	3.51	24.00	23.40	0.450	/
			1	1	Left Cheek	839	0.332	0.79	24.00	23.39	0.382	/
			50	25	Left Cheek	834	0.410	0.33	24.00	23.40	0.471	/
			1	1	Left Tilt	839	0.276	-1.44	24.00	23.39	0.318	/
			50	25	Left Tilt	834	0.318	-0.32	24.00	23.40	0.365	/

SA N7	20M	DFT_QPSK	1	1	Right Cheek	2560	0.135	2.97	24.00	23.72	**0.144**	**85**
			50	25	Right Cheek	2560	0.086	-1.18	24.00	23.71	0.092	/
			1	0	Right Tilt	2560	0.115	-2.38	24.00	23.72	0.123	/
			135	0	Right Tilt	2560	0.078	0.35	24.00	23.71	0.083	/
			1	0	Left Cheek	2560	0.052	3.76	24.00	23.72	0.055	/
			135	0	Left Cheek	2560	0.043	-0.59	24.00	23.71	0.046	/
			1	0	Left Tilt	2560	0.038	1.61	24.00	23.72	0.041	/
			135	0	Left Tilt	2560	0.037	-2.99	24.00	23.71	0.040	/
SA N25	20M	DFT_BPSK	1	104	Right Cheek	1905	0.270	2.77	24.50	23.99	**0.304**	**87**
			50	25	Right Cheek	1860	0.219	2.39	24.50	23.95	0.249	/
			1	0	Right Tilt	1905	0.219	-1.23	24.50	23.99	0.246	/
			36	0	Right Tilt	1860	0.185	-2.73	24.50	23.95	0.210	/
			1	0	Left Cheek	1905	0.208	1.10	24.50	23.99	0.234	/
			36	0	Left Cheek	1860	0.161	-3.53	24.50	23.95	0.183	/
			1	0	Left Tilt	1905	0.169	2.47	24.50	23.99	0.190	/
			36	0	Left Tilt	1860	0.129	2.40	24.50	23.95	0.146	/
SA N38	40M	DFT_QPSK	1	1	Right Cheek	2600	0.073	3.06	24.00	23.49	0.082	/
			50	25	Right Cheek	2590	0.115	-0.65	24.00	23.68	**0.124**	**89**
			1	0	Right Tilt	2600	0.067	-2.20	24.00	23.49	0.075	/
			50	0	Right Tilt	2590	0.089	2.78	24.00	23.68	0.096	/
			1	0	Left Cheek	2600	0.054	1.69	24.00	23.49	0.061	/
			50	0	Left Cheek	2590	0.067	-2.73	24.00	23.68	0.072	/
			1	0	Left Tilt	2600	0.042	-2.96	24.00	23.49	0.047	/
			50	0	Left Tilt	2590	0.050	-1.79	24.00	23.68	0.054	/
SA N41	100M	DFT_QPSK	1	1	Right Cheek	2640	0.071	-3.56	24.50	23.19	0.096	/
			135	67	Right Cheek	2640	0.061	-1.92	24.50	23.06	0.085	/
			1	0	Right Tilt	2640	0.056	0.55	24.50	23.19	0.076	/
			135	0	Right Tilt	2640	0.049	2.46	24.50	23.06	0.068	/
			1	0	Left Cheek	2640	0.078	-2.27	24.50	23.19	**0.105**	**91**
			135	0	Left Cheek	2640	0.065	3.31	24.50	23.06	0.091	/
			1	0	Left Tilt	2640	0.061	-1.53	24.50	23.19	0.082	/
			135	0	Left Tilt	2640	0.056	-0.37	24.50	23.06	0.078	/
SA N66	40M	DFT_QPSK	1	1	Right Cheek	1712.5	0.270	-1.63	24.50	23.81	0.316	/
			108	54	Right Cheek	1712.5	0.213	0.58	24.50	23.46	0.271	/
			1	0	Right Tilt	1712.5	0.217	-0.09	24.50	23.81	0.254	/
			50	0	Right Tilt	1712.5	0.174	3.35	24.50	23.46	0.221	/
			1	0	Left Cheek	1712.5	0.288	-1.71	24.50	23.81	**0.338**	**93**
			50	0	Left Cheek	1712.5	0.243	-3.54	24.50	23.46	0.309	/
			1	0	Left Tilt	1712.5	0.237	-0.29	24.50	23.81	0.278	/
			50	0	Left Tilt	1712.5	0.186	-3.87	24.50	23.46	0.236	/
SA N77	100M	DFT_QPSK	1	271	Right Cheek	3750	0.200	-2.30	25.50	24.28	**0.265**	**95**
			135	67	Right Cheek	3930	0.158	0.84	25.50	24.13	0.217	/
			1	0	Right Tilt	3750	0.157	2.04	25.50	24.28	0.208	/
			135	0	Right Tilt	3930	0.136	-3.89	25.50	24.13	0.186	/
			1	0	Left Cheek	3750	0.122	1.38	25.50	24.28	0.162	/
			135	0	Left Cheek	3930	0.091	1.56	25.50	24.13	0.125	/
			1	0	Left Tilt	3750	0.104	-1.35	25.50	24.28	0.138	/
			135	0	Left Tilt	3930	0.088	1.46	25.50	24.13	0.121	/

NSA

Band	BW (MHz)	Mod.	RB Size	RB offset	Test Position	Freq.	Result 1g (W/Kg)	Power Drift (%)	Max. Turn-up Power (dBm)	Meas. Output Power (dBm)	Scaled SAR (W/Kg)	Meas. No.
SA N41	100M	DFT_ QPSK	1	1	Right Cheek	2640	0.071	-3.56	24.50	23.19	0.096	/
			135	67	Right Cheek	2640	0.061	-1.92	24.50	23.06	0.085	/
			1	0	Right Tilt	2640	0.056	0.55	24.50	23.19	0.076	/
			135	0	Right Tilt	2640	0.049	2.46	24.50	23.06	0.068	/
			1	0	Left Cheek	2640	0.078	-2.27	24.50	23.19	**0.105**	**91**
			135	0	Left Cheek	2640	0.065	3.31	24.50	23.06	0.091	/
			1	0	Left Tilt	2640	0.061	-1.53	24.50	23.19	0.082	/
			135	0	Left Tilt	2640	0.056	-0.37	24.50	23.06	0.078	/
LTE Band 5	10M	QPSK	1	0	Right Cheek	829	0.329	-1.52	25.00	24.68	**0.354**	**59**
			25	0	Right Cheek	829	0.271	-0.07	24.00	23.56	0.300	/
			1	0	Right Tilt	829	0.258	0.78	25.00	24.68	0.278	/
			25	0	Right Tilt	829	0.216	-1.81	24.00	23.56	0.239	/
			1	0	Left Cheek	829	0.272	0.38	25.00	24.68	0.293	/
			25	0	Left Cheek	829	0.201	1.63	24.00	23.56	0.222	/
			1	0	Left Tilt	829	0.207	3.35	25.00	24.68	0.223	/
			25	0	Left Tilt	829	0.175	2.20	24.00	23.56	0.194	/

Band	Mode	Head Max SAR (W/Kg)	NSA N41+B5
NSA N41+B5	SA N41	0.105	0.459
	LTE B5	0.354	

Note:

1. Per KDB 447498 D01, the reported SAR is the measured SAR value adjusted for maximum tune-up tolerance.
a. Tune-up scaling Factor = tune-up limit power (mW) / EUT RF power (mW), where tune-up limit is the maximum rated power among all production units.
b. Scaled SAR(W/kg) = Measured SAR(W/kg) *Tune-up Scaling Factor
2. Per KDB 865664 D01, Repeated measurement is not required when the original highest measured SAR is <0.80 W/kg.

12.2 Body-worn and Hotspot SAR

Band	Model	Test Position	Freq.	SAR (1g) (W/kg)	Power Drift (%)	Max. Turn-up Power (dBm)	Meas. Output Power (dBm)	Scaled SAR (W/Kg)	Meas. No.
GSM850	GPRS Data-4 Slot	Front Side	824.2	0.720	0.07	31.00	30.17	0.872	/
		Front Side	836.6	0.768	1.31	31.00	30.32	0.898	/
		Front Side	848.8	0.831	-2.14	31.00	30.54	**0.924**	**2**
		Back Side	848.8	0.597	3.27	31.00	30.54	0.664	/
		Left Side	848.8	0.645	3.82	31.00	30.54	0.717	/
		Right Side	824.2	0.682	2.03	31.00	30.17	0.826	/
		Right Side	836.6	0.734	0.38	31.00	30.32	0.858	/
		Right Side	848.8	0.802	-2.24	31.00	30.54	0.892	/
		Top Side	848.8	0.177	-0.36	31.00	30.54	0.197	/
		Bottom Side	848.8	0.199	-1.72	31.00	30.54	0.221	/
PCS 1900	GPRS Data-4 Slot	Front Side	1909.8	0.201	-3.21	28.00	27.53	0.224	/
		Back Side	1909.8	0.246	-2.43	28.00	27.53	**0.274**	**4**
		Left Side	1909.8	0.057	-0.62	28.00	27.53	0.064	/
		Right Side	1909.8	0.157	3.00	28.00	27.53	0.175	/
		Top Side	1909.8	0.043	3.31	28.00	27.53	0.048	/
		Bottom Side	1909.8	0.189	0.47	28.00	27.53	0.211	/
WCDMA Band II	RMC	Front Side	1907.6	0.146	-3.17	24.00	23.93	0.148	/
		Back Side	1907.6	0.177	-2.20	24.00	23.93	0.180	/
		Left Side	1907.6	0.074	-2.56	24.00	23.93	0.075	/
		Right Side	1907.6	0.141	0.60	24.00	23.93	0.143	/
		Bottom Side	1907.6	0.178	0.83	24.00	23.93	**0.181**	**6**
WCDMA Band IV	RMC	Front Side	1752.4	0.603	-1.11	24.00	23.64	0.655	/
		Back Side	1712.6	0.718	1.80	24.00	23.55	0.796	/
		Back Side	1740	0.689	0.49	24.00	23.42	0.787	/
		Back Side	1752.4	0.743	-3.15	24.00	23.64	**0.807**	**8**
		Left Side	1752.4	0.181	-0.16	24.00	23.64	0.197	/
		Right Side	1752.4	0.532	1.67	24.00	23.64	0.578	/
		Bottom Side	1752.4	0.415	-3.47	24.00	23.64	0.451	/
WCDMA Band V	RMC	Front Side	826.4	0.313	3.22	23.50	23.33	0.325	/
		Back Side	826.4	0.249	2.98	23.50	23.33	0.259	/
		Left Side	826.4	0.263	1.21	23.50	23.33	0.273	/
		Right Side	826.4	0.351	-1.07	23.50	23.33	**0.365**	**10**
		Bottom Side	826.4	0.082	-3.15	23.50	23.33	0.085	/
CDMA	BC0	Front Side	836.52	0.078	2.74	23.00	22.63	0.085	/
		Back Side	836.52	0.096	-1.40	23.00	22.63	**0.105**	**12**
		Left Side	836.52	0.076	-2.33	23.00	22.63	0.083	/
		Right Side	836.52	0.076	2.72	23.00	22.63	0.083	/
		Top Side	836.52	0.019	3.26	23.00	22.63	0.021	/
		Bottom Side	836.52	0.027	3.03	23.00	22.63	0.029	/
CDMA	BC1	Front Side	1908.75	0.038	-1.15	23.00	22.83	0.040	/
		Back Side	1908.75	0.061	2.66	23.00	22.83	0.063	/
		Left Side	1908.75	0.034	-2.26	23.00	22.83	0.035	/
		Right Side	1908.75	0.008	0.17	23.00	22.83	0.008	/
		Top Side	1908.75	0.017	0.67	23.00	22.83	0.018	/
		Bottom Side	1908.75	0.071	2.58	23.00	22.83	**0.074**	**14**

2.4GHz WLAN ANT 1	802.11b	Front Side	2462	0.095	0.74	17.50	17.32	0.099	/
		Back Side	2462	0.100	-3.41	17.50	17.32	**0.104**	**16**
		Right Edge	2462	0.081	2.81	17.50	17.32	0.084	/
		Top Edge	2462	0.078	3.34	17.50	17.32	0.081	/
2.4GHz WLAN ANT 2	802.11b	Front Side	2412	0.050	3.34	17.00	16.81	0.052	/
		Back Side	2412	0.085	-1.00	17.00	16.81	**0.089**	**18**
		Right Edge	2412	0.065	-2.87	17.00	16.81	0.068	/
		Top Edge	2412	0.077	3.73	17.00	16.81	0.080	/
2.4GHz WLAN ANT 1 MIMO	802.11n-HT40	Front Side	2437	0.058	1.99	16.50	16.45	0.059	/
		Back Side	2437	0.060	3.25	16.50	16.45	0.061	/
		Right Edge	2437	0.051	-0.32	16.50	16.45	0.052	/
		Top Edge	2437	0.075	-3.75	16.50	16.45	**0.076**	**20**
2.4GHz WLAN ANT 2 MIMO	802.11n-HT40	Front Side	2437	0.057	-2.27	16.50	16.45	0.058	/
		Back Side	2437	0.058	-3.59	16.50	16.45	0.059	/
		Right Edge	2437	0.064	3.10	16.50	16.45	0.065	/
		Top Edge	2437	0.067	0.45	16.50	16.45	**0.068**	**22**
5.2GHz WLAN ANT 1	802.11a	Front Side	5240	0.084	-1.21	15.50	15.25	0.089	/
		Back Side	5240	0.090	3.35	15.50	15.25	**0.095**	**24**
		Right Edge	5240	0.067	-2.67	15.50	15.25	0.071	/
		Top Edge	5240	0.065	-3.29	15.50	15.25	0.069	/
5.2GHz WLAN ANT 2	802.11a	Front Side	5180	0.123	-0.61	18.00	17.58	0.135	/
		Back Side	5180	0.214	1.21	18.00	17.58	**0.236**	**26**
		Right Edge	5180	0.139	-1.51	18.00	17.58	0.153	/
		Top Edge	5180	0.183	-0.99	18.00	17.58	0.202	/
5.2GHz WLAN ANT 1 MIMO	802.11n-HT40	Front Side	5230	0.129	-2.88	16.00	15.82	0.134	/
		Back Side	5230	0.100	-2.19	16.00	15.82	0.104	/
		Right Edge	5230	0.091	-3.18	16.00	15.82	0.095	/
		Top Edge	5230	0.150	-1.94	16.00	15.82	**0.156**	**28**
5.2GHz WLAN ANT 2 MIMO	802.11n-HT40	Front Side	5230	0.143	-1.81	16.00	15.82	0.149	/
		Back Side	5230	0.141	3.49	16.00	15.82	0.147	/
		Right Edge	5230	0.157	1.88	16.00	15.82	0.164	/
		Top Edge	5230	0.159	-3.47	16.00	15.82	**0.166**	**30**
5.3GHz WLAN ANT 1	802.11a	Front Side	5260	0.133	-0.80	16.00	15.56	0.147	/
		Back Side	5260	0.144	3.39	16.00	15.56	**0.159**	**32**
		Right Edge	5260	0.105	-3.23	16.00	15.56	0.116	/
		Top Edge	5260	0.106	2.51	16.00	15.56	0.117	/
5.3GHz WLAN ANT 2	802.11a	Front Side	5260	0.157	0.42	18.00	17.54	0.175	/
		Back Side	5260	0.171	-1.98	18.00	17.54	**0.190**	**34**
		Right Edge	5260	0.113	0.80	18.00	17.54	0.126	/
		Top Edge	5260	0.148	-3.01	18.00	17.54	0.165	/
5.3GHz WLAN ANT 1 MIMO	802.11n-HT20	Front Side	5320	0.104	-3.62	16.00	15.59	0.114	/
		Back Side	5320	0.101	1.86	16.00	15.59	0.111	/
		Right Edge	5320	0.089	2.60	16.00	15.59	0.098	/
		Top Edge	5320	0.133	3.93	16.00	15.59	**0.146**	**36**
5.3GHz WLAN ANT 2 MIMO	802.11n-HT20	Front Side	5320	0.154	-2.74	16.00	15.59	0.169	/
		Back Side	5320	0.150	2.32	16.00	15.59	0.165	/
		Right Edge	5320	0.166	-1.82	16.00	15.59	0.182	/
		Top Edge	5320	0.181	-0.88	16.00	15.59	**0.199**	**38**

5.6GHz WLAN ANT 1	802.11a	Front Side	5700	0.193	2.23	16.50	16.04	0.215	/
		Back Side	5700	0.214	-1.30	16.50	16.04	**0.238**	**40**
		Left Edge	5700	0.171	3.47	16.50	16.04	0.190	/
		Right Edge	5700	0.152	-3.05	16.50	16.04	0.169	/
		Top Edge	5700	0.153	1.85	16.50	16.04	0.170	/
5.6GHz WLAN ANT 2	802.11a	Front Side	5580	0.091	0.30	17.00	16.89	0.093	/
		Back Side	5580	0.161	-1.30	17.00	16.89	**0.165**	**42**
		Left Edge	5580	0.094	0.68	17.00	16.89	0.096	/
		Right Edge	5580	0.107	3.24	17.00	16.89	0.110	/
		Top Edge	5580	0.140	-0.33	17.00	16.89	0.144	/
5.6GHz WLAN ANT 1 MIMO	802.11n-HT40	Front Side	5550	0.078	-0.59	16.00	15.63	0.085	/
		Back Side	5550	0.075	1.42	16.00	15.63	0.082	/
		Left Edge	5550	0.038	-0.92	16.00	15.63	0.041	/
		Right Edge	5550	0.065	2.33	16.00	15.63	0.071	/
		Top Edge	5550	0.097	3.45	16.00	15.63	**0.106**	**44**
5.6GHz WLAN ANT 2 MIMO	802.11n-HT40	Front Side	5550	0.113	0.20	16.00	15.63	0.123	/
		Back Side	5550	0.108	-0.36	16.00	15.63	0.118	/
		Left Edge	5550	0.052	0.90	16.00	15.63	0.057	/
		Right Edge	5550	0.118	-2.25	16.00	15.63	0.128	/
		Top Edge	5550	0.129	3.14	16.00	15.63	**0.140**	**46**
5.8GHz WLAN ANT 1	802.11a	Front Side	5745	0.148	-2.59	16.50	16.08	0.163	/
		Back Side	5745	0.164	-1.63	16.50	16.08	**0.181**	**48**
		Left Edge	5745	0.134	2.73	16.50	16.08	0.148	/
		Right Edge	5745	0.119	-3.45	16.50	16.08	0.131	/
		Top Edge	5745	0.119	-1.00	16.50	16.08	0.131	/
5.8GHz WLAN ANT 2	802.11a	Front Side	5785	0.139	2.91	17.00	16.84	0.144	/
		Back Side	5785	0.241	-1.93	17.00	16.84	**0.250**	**50**
		Left Edge	5785	0.135	-1.13	17.00	16.84	0.140	/
		Right Edge	5785	0.159	0.60	17.00	16.84	0.165	/
		Top Edge	5785	0.232	-2.03	17.00	16.84	0.241	/
5.8GHz WLAN ANT 1 MIMO	802.11n-HT20	Front Side	5785	0.127	-3.19	16.50	16.11	0.139	/
		Back Side	5785	0.121	-0.01	16.50	16.11	0.132	/
		Left Edge	5785	0.067	-3.81	16.50	16.11	0.073	/
		Right Edge	5785	0.106	-2.79	16.50	16.11	0.116	/
		Top Edge	5785	0.158	3.43	16.50	16.11	**0.173**	**52**
5.8GHz WLAN ANT 2 MIMO	802.11n-HT20	Front Side	5785	0.180	2.99	16.50	16.11	0.197	/
		Back Side	5785	0.172	-0.18	16.50	16.11	0.188	/
		Left Edge	5785	0.084	-1.20	16.50	16.11	0.092	/
		Right Edge	5785	0.189	-2.78	16.50	16.11	0.207	/
		Top Edge	5785	0.209	1.49	16.50	16.11	**0.229**	**54**

Band	Mode	Max SAR (W/Kg)	WIFI MIMO
2.4G WLAN	802.11n-HT40	0.076	0.144
	802.11n-HT40	0.068	
5.2G WLAN	802.11n-HT40	0.156	0.322
	802.11n-HT40	0.166	
5.3G WLAN	802.11n-HT20	0.146	0.345
	802.11n-HT20	0.199	
5.6G WLAN	802.11n-HT40	0.106	0.246
	802.11n-HT40	0.140	
5.8G WLAN	802.11n-HT20	0.173	0.402
	802.11n-HT20	0.229	

Band	BW (MHz)	Mod.	RB Size	RB offset	Test Position	Freq.	SAR (1g) (W/kg)	Power Drift (%)	Max. Turn-up Power (dBm)	Meas. Output Power (dBm)	Scaled SAR (W/Kg)	Meas. No.
LTE Band 2	20M	QPSK	1	0	Front side	1900	0.150	-2.01	25.00	24.91	0.153	/
			50	0	Front side	1900	0.128	-2.99	24.00	23.71	0.137	/
			1	0	Back Side	1900	0.182	1.50	25.00	24.91	0.186	/
			50	0	Back Side	1900	0.137	2.52	24.00	23.71	0.146	/
			1	0	Left Side	1900	0.044	1.74	25.00	24.91	0.045	/
			50	0	Left Side	1900	0.040	2.38	24.00	23.71	0.043	/
			1	0	Right Side	1900	0.136	-1.74	25.00	24.91	0.139	/
			50	0	Right Side	1900	0.103	-2.35	24.00	23.71	0.110	/
			1	0	Bottom Side	1900	0.188	1.35	25.00	24.91	**0.192**	**56**
			50	0	Bottom Side	1900	0.130	3.81	24.00	23.71	0.139	/
LTE Band 4	20M	QPSK	1	0	Front side	1732.5	0.334	0.92	24.00	23.56	0.370	/
			50	0	Front side	1745	0.273	-0.01	22.50	22.39	0.280	/
			1	0	Back Side	1732.5	0.397	-0.63	24.00	23.56	**0.439**	**58**
			50	0	Back Side	1745	0.329	0.61	22.50	22.39	0.337	/
			1	0	Left Side	1732.5	0.110	-2.04	24.00	23.56	0.122	/
			50	0	Left Side	1745	0.092	1.42	22.50	22.39	0.094	/
			1	0	Right Side	1732.5	0.295	-3.84	24.00	23.56	0.326	/
			50	0	Right Side	1745	0.228	-3.93	22.50	22.39	0.234	/
			1	0	Bottom Side	1732.5	0.196	-0.59	24.00	23.56	0.217	/
			50	0	Bottom Side	1745	0.169	-0.34	22.50	22.39	0.173	/
LTE Band 5	10M	QPSK	1	0	Front side	829	0.442	-1.70	25.00	24.68	0.476	/
			25	0	Front side	829	0.371	2.48	24.00	23.56	0.411	/
			1	0	Back Side	829	0.397	3.54	25.00	24.68	0.427	/
			25	0	Back Side	829	0.325	3.69	24.00	23.56	0.360	/
			1	0	Left Side	829	0.418	0.31	25.00	24.68	0.450	/
			25	0	Left Side	829	0.319	1.21	24.00	23.56	0.353	/
			1	0	Right Side	829	0.546	2.13	25.00	24.68	**0.588**	**60**
			25	0	Right Side	829	0.452	-2.38	24.00	23.56	0.500	/
			1	0	Bottom Side	829	0.133	-3.29	25.00	24.68	0.143	/
			25	0	Bottom Side	829	0.107	-1.38	24.00	23.56	0.118	/

LTE Band 7	20M	QPSK	1	0	Front side	2510	0.095	0.10	24.50	24.26	0.100	/
			50	0	Front side	2510	0.051	-3.48	23.50	23.21	0.055	/
			1	0	Back Side	2510	0.157	1.76	24.50	24.26	0.166	/
			50	0	Back Side	2510	0.122	-1.36	23.50	23.21	0.130	/
			1	0	Left Side	2510	0.049	3.68	24.50	24.26	0.052	/
			50	0	Left Side	2510	0.043	-1.93	23.50	23.21	0.046	/
			1	0	Right Side	2510	0.116	1.97	24.50	24.26	0.123	/
			50	0	Right Side	2510	0.084	-0.12	23.50	23.21	0.090	/
			1	0	Bottom Side	2510	0.165	1.76	24.50	24.26	**0.174**	**62**
			50	0	Bottom Side	2510	0.119	2.65	23.50	23.21	0.127	/
LTE Band 12	10M	QPSK	1	0	Front side	782	0.237	-2.09	25.00	24.88	0.244	/
			25	0	Front side	782	0.191	-0.04	24.00	23.77	0.201	/
			1	0	Back Side	782	0.211	3.58	25.00	24.88	0.217	/
			25	0	Back Side	782	0.186	2.20	24.00	23.77	0.196	/
			1	0	Left Side	782	0.214	3.71	25.00	24.88	0.220	/
			25	0	Left Side	782	0.160	2.69	24.00	23.77	0.169	/
			1	0	Right Side	782	0.280	0.92	25.00	24.88	**0.288**	**64**
			25	0	Right Side	782	0.240	3.79	24.00	23.77	0.253	/
			1	0	Bottom Side	782	0.072	-1.71	25.00	24.88	0.074	/
			25	0	Bottom Side	782	0.064	0.59	24.00	23.77	0.067	/
LTE Band 13	10M	QPSK	1	0	Front side	782	0.326	3.86	25.00	24.74	0.346	/
			25	0	Front side	782	0.257	0.51	24.00	23.62	0.281	/
			1	0	Back Side	782	0.335	-1.48	25.00	24.74	0.356	/
			25	0	Back Side	782	0.264	2.01	24.00	23.62	0.288	/
			1	0	Left Side	782	0.373	1.18	25.00	24.74	0.396	/
			25	0	Left Side	782	0.306	-2.22	24.00	23.62	0.334	/
			1	0	Right Side	782	0.467	-0.77	25.00	24.74	**0.496**	**66**
			25	0	Right Side	782	0.370	-1.41	24.00	23.62	0.404	/
			1	0	Bottom Side	782	0.112	-2.11	25.00	24.74	0.119	/
			25	0	Bottom Side	782	0.089	-0.99	24.00	23.62	0.097	/

LTE Band 17	10M	QPSK	1	0	Front side	709	0.266	-1.46	25.00	24.80	0.279	/
			25	0	Front side	709	0.205	0.69	24.00	23.68	0.221	/
			1	0	Back Side	709	0.196	-2.13	25.00	24.80	0.205	/
			25	0	Back Side	709	0.153	3.48	24.00	23.68	0.165	/
			1	0	Left Side	709	0.206	1.52	25.00	24.80	0.216	/
			25	0	Left Side	709	0.173	-2.06	24.00	23.68	0.186	/
			1	0	Right Side	709	0.267	-1.80	25.00	24.80	**0.280**	**68**
			25	0	Right Side	709	0.219	3.37	24.00	23.68	0.236	/
			1	0	Bottom Side	709	0.062	-0.64	25.00	24.80	0.065	/
			25	0	Bottom Side	709	0.066	1.00	24.00	23.68	0.071	/
LTE Band 25	20M	QPSK	1	0	Front side	1905	0.185	-2.42	25.00	24.97	0.186	/
			50	0	Front side	1905	0.124	-0.82	24.00	23.90	0.127	/
			1	0	Back Side	1905	0.208	1.53	25.00	24.97	**0.209**	**70**
			50	0	Back Side	1905	0.159	-2.70	24.00	23.90	0.163	/
			1	0	Left Side	1905	0.063	-2.87	25.00	24.97	0.063	/
			50	0	Left Side	1905	0.053	0.04	24.00	23.90	0.054	/
			1	0	Right Side	1905	0.161	0.03	25.00	24.97	0.162	/
			50	0	Right Side	1905	0.133	-1.24	24.00	23.90	0.136	/
			1	0	Bottom Side	1905	0.183	2.24	25.00	24.97	0.184	/
			50	0	Bottom Side	1905	0.143	-0.05	24.00	23.90	0.146	/
LTE Band 26	15M	QPSK	1	0	Front side	831.5	0.470	0.91	25.00	24.79	0.493	/
			36	0	Front side	831.5	0.401	-0.78	24.00	23.70	0.430	/
			1	0	Back Side	831.5	0.492	-2.38	25.00	24.79	0.516	/
			36	0	Back Side	831.5	0.387	1.26	24.00	23.70	0.415	/
			1	0	Left Side	831.5	0.547	0.23	25.00	24.79	0.574	/
			36	0	Left Side	831.5	0.444	-0.27	24.00	23.70	0.476	/
			1	0	Right Side	831.5	0.700	2.39	25.00	24.79	**0.735**	**72**
			36	0	Right Side	831.5	0.566	-1.24	24.00	23.70	0.606	/
			1	0	Bottom Side	831.5	0.174	1.78	25.00	24.79	0.183	/
			36	0	Bottom Side	831.5	0.138	-0.82	24.00	23.70	0.148	/

LTE Band 38	20M	QPSK	1	0	Front side	2595	0.147	1.32	23.50	23.35	0.152	/
			50	0	Front side	2595	0.129	3.98	23.50	23.01	0.144	/
			1	0	Back Side	2595	0.171	-2.32	23.50	23.35	**0.177**	**74**
			50	0	Back Side	2595	0.142	1.22	23.50	23.01	0.159	/
			1	0	Left Side	2595	0.058	-2.78	23.50	23.35	0.060	/
			50	0	Left Side	2595	0.050	0.79	23.50	23.01	0.056	/
			1	0	Right Side	2595	0.131	-2.87	23.50	23.35	0.136	/
			50	0	Right Side	2595	0.122	1.26	23.50	23.01	0.137	/
			1	0	Bottom Side	2595	0.062	-3.45	23.50	23.35	0.064	/
			50	0	Bottom Side	2595	0.028	-0.93	23.50	23.01	0.031	/
LTE Band 40	10M	QPSK	1	0	Front side	2310	0.270	-2.80	12.00	11.96	0.272	/
			50	0	Front side	2310	0.204	1.75	11.00	10.81	0.213	/
			1	0	Back Side	2310	0.329	0.73	12.00	11.96	0.332	/
			50	0	Back Side	2310	0.285	-2.68	11.00	10.81	0.298	/
			1	0	Left Side	2310	0.083	3.70	12.00	11.96	0.084	/
			50	0	Left Side	2310	0.066	3.56	11.00	10.81	0.069	/
			1	0	Right Side	2310	0.241	1.03	12.00	11.96	0.243	/
			50	0	Right Side	2310	0.184	3.18	11.00	10.81	0.192	/
			1	0	Bottom Side	2310	0.362	3.99	12.00	11.96	**0.365**	**76**
			50	0	Bottom Side	2310	0.277	-0.68	11.00	10.81	0.289	/
LTE Band 41	20M	QPSK	1	0	Front side	2506	0.120	-2.11	24.00	23.62	0.131	/
			50	0	Front side	2506	0.087	3.13	23.50	23.07	0.096	/
			1	0	Back Side	2506	0.133	-1.13	24.00	23.62	0.145	/
			50	0	Back Side	2506	0.108	1.89	23.50	23.07	0.119	/
			1	0	Left Side	2506	0.036	-1.49	24.00	23.62	0.039	/
			50	0	Left Side	2506	0.030	2.20	23.50	23.07	0.033	/
			1	0	Right Side	2506	0.094	2.97	24.00	23.62	0.103	/
			50	0	Right Side	2506	0.079	-2.36	23.50	23.07	0.087	/
			1	0	Bottom Side	2506	0.134	1.02	24.00	23.62	**0.146**	**78**
			50	0	Bottom Side	2506	0.090	1.87	23.50	23.07	0.099	/

LTE Band 66	20M	QPSK	1	0	Front side	1745	0.586	-2.76	24.00	23.55	0.650	/
			50	0	Front side	1745	0.482	3.73	24.00	23.50	0.541	/
			1	0	Back Side	1745	0.718	-2.89	24.00	23.55	**0.796**	**80**
			50	0	Back Side	1745	0.581	-1.63	24.00	23.50	0.652	/
			1	0	Left Side	1745	0.177	1.74	24.00	23.55	0.196	/
			50	0	Left Side	1745	0.145	-1.55	24.00	23.50	0.163	/
			1	0	Right Side	1745	0.514	3.62	24.00	23.55	0.570	/
			50	0	Right Side	1745	0.412	0.14	24.00	23.50	0.462	/
			1	0	Bottom Side	1745	0.279	2.69	24.00	23.55	0.309	/
			50	0	Bottom Side	1745	0.223	0.05	24.00	23.50	0.250	/
SA N2	20M	DFT_ QPSK	1	1	Front side	1860	0.200	-3.93	24.50	23.91	0.229	/
			50	25	Front side	1860	0.247	2.69	24.50	23.94	0.281	/
			1	1	Back Side	1860	0.257	-1.84	24.50	23.91	0.294	/
			50	25	Back Side	1860	0.302	1.66	24.50	23.94	**0.344**	**82**
			1	1	Left Side	1860	0.062	-1.23	24.50	23.91	0.071	/
			50	25	Left Side	1860	0.086	2.08	24.50	23.94	0.098	/
			1	1	Right Side	1860	0.182	2.33	24.50	23.91	0.208	/
			50	25	Right Side	1860	0.226	3.56	24.50	23.94	0.257	/
			1	1	Top Side	1860	0.134	-3.43	24.50	23.91	0.153	/
			50	25	Top Side	1860	0.175	0.45	24.50	23.94	0.199	/
			1	1	Bottom Side	1860	0.049	-3.02	24.50	23.91	0.056	/
			50	25	Bottom Side	1860	0.060	-3.95	24.50	23.94	0.068	/

SA N5	20M	DFT_QPSK	1	1	Front side	839	0.432	-1.36	24.00	23.39	0.497	/
			50	25	Front side	834	0.552	3.82	24.00	23.40	**0.634**	**84**
			1	1	Back Side	839	0.308	3.57	24.00	23.39	0.354	/
			50	25	Back Side	834	0.381	0.99	24.00	23.40	0.437	/
			1	1	Left Side	839	0.324	1.19	24.00	23.39	0.373	/
			50	25	Left Side	834	0.408	0.75	24.00	23.40	0.468	/
			1	1	Right Side	839	0.412	3.50	24.00	23.39	0.474	/
			50	25	Right Side	834	0.531	1.90	24.00	23.40	0.610	/
			1	1	Top Side	839	0.055	1.02	24.00	23.39	0.063	/
			50	25	Top Side	834	0.052	2.36	24.00	23.40	0.060	/
			1	1	Bottom Side	839	0.115	-1.50	24.00	23.39	0.132	/
			50	25	Bottom Side	834	0.132	1.80	24.00	23.40	0.152	/
SA N7	20M	DFT_QPSK	1	1	Front side	2560	0.080	0.23	24.00	23.72	0.085	/
			50	25	Front side	2560	0.059	-0.80	24.00	23.71	0.063	/
			1	1	Back Side	2560	0.091	-2.94	24.00	23.72	0.097	/
			50	25	Back Side	2560	0.077	-3.61	24.00	23.71	0.082	/
			1	1	Left Side	2560	0.031	1.38	24.00	23.72	0.033	/
			50	25	Left Side	2560	0.029	1.85	24.00	23.71	0.031	/
			1	1	Right Side	2560	0.079	-3.33	24.00	23.72	0.084	/
			50	25	Right Side	2560	0.054	1.25	24.00	23.71	0.058	/
			1	1	Top Side	2560	0.056	3.54	24.00	23.72	0.060	/
			50	25	Top Side	2560	0.037	-2.84	24.00	23.71	0.040	/
			1	1	Bottom Side	2560	0.101	-1.99	24.00	23.72	**0.108**	**86**
			50	25	Bottom Side	2560	0.082	-0.25	24.00	23.71	0.088	/

SA N25	20M	DFT_QPSK	1	104	Front side	1905	0.278	-1.20	24.50	23.99	0.313	/
			50	25	Front side	1860	0.238	1.50	24.50	23.95	0.270	/
			1	104	Back Side	1905	0.324	-1.57	24.50	23.99	**0.364**	**88**
			50	25	Back Side	1860	0.249	-3.54	24.50	23.95	0.283	/
			1	104	Left Side	1905	0.093	1.77	24.50	23.99	0.105	/
			50	25	Left Side	1860	0.078	-2.61	24.50	23.95	0.089	/
			1	104	Right Side	1905	0.227	-3.57	24.50	23.99	0.255	/
			50	25	Right Side	1860	0.177	-3.77	24.50	23.95	0.201	/
			1	104	Top Side	1905	0.170	-3.03	24.50	23.99	0.191	/
			50	25	Top Side	1860	0.120	0.71	24.50	23.95	0.136	/
			1	104	Bottom Side	1905	0.080	3.39	24.50	23.99	0.090	/
			50	25	Bottom Side	1860	0.063	1.40	24.50	23.95	0.072	/
SA N38	40M	DFT_BPSK	1	1	Front side	2600	0.084	0.16	24.00	23.49	0.094	/
			50	25	Front side	2590	0.116	-3.08	24.00	23.68	0.125	/
			1	1	Back Side	2600	0.094	1.33	24.00	23.49	0.106	/
			50	25	Back Side	2590	0.131	1.06	24.00	23.68	**0.141**	**90**
			1	1	Left Side	2600	0.027	3.54	24.00	23.49	0.030	/
			50	25	Left Side	2590	0.031	-0.77	24.00	23.68	0.033	/
			1	1	Right Side	2600	0.066	1.43	24.00	23.49	0.074	/
			50	25	Right Side	2590	0.094	-0.66	24.00	23.68	0.101	/
			1	1	Top Side	2600	0.065	3.33	24.00	23.49	0.073	/
			50	25	Top Side	2590	0.060	2.13	24.00	23.68	0.065	/
			1	1	Bottom Side	2600	0.058	1.61	24.00	23.49	0.065	/
			50	25	Bottom Side	2590	0.084	1.97	24.00	23.68	0.090	/

SA N41	100M	DFT_QPSK	1	1	Front side	2640	0.125	3.93	24.50	23.19	0.169	/
			135	67	Front side	2640	0.078	-3.00	24.50	23.06	0.109	/
			1	1	Back Side	2640	0.143	1.56	24.50	23.19	**0.193**	**92**
			135	67	Back Side	2640	0.103	3.26	24.50	23.06	0.143	/
			1	1	Left Side	2640	0.039	2.60	24.50	23.19	0.053	/
			135	67	Left Side	2640	0.032	0.64	24.50	23.06	0.045	/
			1	1	Right Side	2640	0.104	0.97	24.50	23.19	0.141	/
			135	67	Right Side	2640	0.081	-0.85	24.50	23.06	0.113	/
			1	1	Top Side	2640	0.047	-3.32	24.50	23.19	0.064	/
			135	67	Top Side	2640	0.024	0.01	24.50	23.06	0.033	/
			1	1	Bottom Side	2640	0.049	2.58	24.50	23.19	0.066	/
			135	67	Bottom Side	2640	0.053	-3.37	24.50	23.06	0.074	/
SA N66	40M	DFT_QPSK	1	1	Front side	1712.5	0.194	-1.60	24.50	23.81	0.227	/
			108	54	Front side	1712.5	0.153	0.43	24.50	23.46	0.194	/
			1	1	Back Side	1712.5	0.235	-3.17	24.50	23.81	**0.275**	**94**
			108	54	Back Side	1712.5	0.196	3.86	24.50	23.46	0.249	/
			1	1	Left Side	1712.5	0.071	2.25	24.50	23.81	0.083	/
			108	54	Left Side	1712.5	0.061	-0.93	24.50	23.46	0.078	/
			1	1	Right Side	1712.5	0.177	-1.90	24.50	23.81	0.207	/
			108	54	Right Side	1712.5	0.142	-3.38	24.50	23.46	0.180	/
			1	1	Top Side	1712.5	0.065	-1.13	24.50	23.81	0.076	/
			108	54	Top Side	1712.5	0.043	1.09	24.50	23.46	0.055	/
			1	1	Bottom Side	1712.5	0.062	0.62	24.50	23.81	0.073	/
			108	54	Bottom Side	1712.5	0.046	-0.41	24.50	23.46	0.058	/
SA N77	100M	DFT_QPSK	1	271	Front side	3750	0.163	3.82	25.50	24.28	0.216	/
			135	67	Front side	3930	0.128	1.21	25.50	24.13	0.175	/
			1	271	Back Side	3750	0.182	2.63	25.50	24.28	**0.241**	**96**
			135	67	Back Side	3930	0.124	0.28	25.50	24.13	0.170	/
			1	271	Left Side	3750	0.046	2.24	25.50	24.28	0.061	/
			135	67	Left Side	3930	0.039	3.73	25.50	24.13	0.053	/
			1	271	Right Side	3750	0.145	-1.08	25.50	24.28	0.192	/
			135	67	Right Side	3930	0.110	1.12	25.50	24.13	0.151	/
			1	271	Top Side	3750	0.082	-2.76	25.50	24.28	0.109	/

			135	67	Top Side	3930	0.046	-1.21	25.50	24.13	0.063	/
			1	271	Bottom Side	3750	0.058	-0.78	25.50	24.28	0.077	/
			135	67	Bottom Side	3930	0.053	-0.73	25.50	24.13	0.073	/

NSA

Band	BW (MHz)	Mod.	RB Size	Test Position	Freq.	Result 1g (W/Kg)	Power Drift (%)	Max. Turn-up Power (dBm)	Meas. Output Power (dBm)	Scaled SAR (W/Kg)	Meas. No.
SA N41	100	DFT_ QPSK	1	Front side	2640	0.125	3.93	24.50	23.19	0.169	/
			135	Front side	2640	0.078	-3.00	24.50	23.06	0.109	/
			1	Back Side	2640	0.143	1.56	24.50	23.19	**0.193**	**92**
			135	Back Side	2640	0.103	3.26	24.50	23.06	0.143	/
			1	Left Side	2640	0.039	2.60	24.50	23.19	0.053	/
			135	Left Side	2640	0.032	0.64	24.50	23.06	0.045	/
			1	Right Side	2640	0.104	0.97	24.50	23.19	0.141	/
			135	Right Side	2640	0.081	-0.85	24.50	23.06	0.113	/
			1	Top Side	2640	0.047	-3.32	24.50	23.19	0.064	/
			135	Top Side	2640	0.024	0.01	24.50	23.06	0.033	/
LTE Band 5	10M	QPSK	1	Bottom Side	2640	0.049	2.58	24.50	23.19	0.066	/
			135	Bottom Side	2640	0.053	-3.37	24.50	23.06	0.074	/
			1	Front side	829	0.442	-1.70	25.00	24.68	0.476	/
			25	Front side	829	0.371	2.48	24.00	23.56	0.411	/
			1	Back Side	829	0.397	3.54	25.00	24.68	0.427	/
			25	Back Side	829	0.325	3.69	24.00	23.56	0.360	/
			1	Left Side	829	0.418	0.31	25.00	24.68	0.450	/
			25	Left Side	829	0.319	1.21	24.00	23.56	0.353	/
			1	Right Side	829	0.546	2.13	25.00	24.68	**0.588**	**60**
			25	Right Side	829	0.452	-2.38	24.00	23.56	0.500	/

Band	Mode	Max SAR (W/Kg)	NSA N41+ LTE B5
NSA N41+ LTE B5	SA N41	0.193	0.781
	LTE B5	0.588	

Note:

1. The test separation of all above table is 10mm.
2. Per KDB 447498 D01, the reported SAR is the measured SAR value adjusted for maximum tune-up tolerance.
   a. Tune-up scaling Factor = tune-up limit power (mW) / EUT RF power (mW), where tune-up limit is the maximum rated power among all production units.
   b. Scaled SAR(W/kg) = Measured SAR(W/kg) *Tune-up Scaling Factor
3. When the user enables the personal Wireless router functions for the handsets, actual operations include simultaneous transmission of both the Wi-Fi transmitting frequency and thus cannot be evaluated for SAR under actual use conditions. The “Portable Hotspot” feature on the handset was NOT activated, to ensure the SAR measurements were evaluated for a single transmission frequency RF signal.

12.3 Repeated SAR

Band	Mode	Test Position	Ch.	Result 1g (W/Kg)	Power Drift (%)	Max. Turn-up Power (dBm)	Meas. Output Power (dBm)	Scaled SAR(W/Kg)
GSM 850	GPRS Data-4 Slot	Front Side	824.2	0.717	2.53	31.00	30.17	0.867
		Front Side	836.6	0.749	-0.85	31.00	30.32	0.876
		Front Side	848.8	0.829	2.10	31.00	30.54	0.921
		Right Side	824.2	0.665	-3.25	31.00	30.17	0.805
		Right Side	836.6	0.719	-0.12	31.00	30.32	0.841
		Right Side	848.8	0.786	-0.61	31.00	30.54	0.874
WCDMA Band IV	RMC	Back Side	1752.4	0.721	-0.31	24.00	23.64	0.784

12.4 Repeated SAR measurement

Band	Mode	Test Position	Ch.	Original Measured SAR 1g(W/kg)	1 st Repeated SAR 1g	Ratio
GSM 850	GPRS Data-4 Slot	Front Side	824.2	0.720	0.717	1.005
		Front Side	836.6	0.768	0.749	1.025
		Front Side	848.8	0.831	0.829	1.003
		Right Side	824.2	0.682	0.665	1.026
		Right Side	836.6	0.734	0.719	1.021
		Right Side	848.8	0.802	0.786	1.021
WCDMA Band IV	RMC	Back Side	1752.4	0.743	0.721	1.030

Note:

1. Per KDB 865664 D01,for each frequency band ,repeated SAR measurement is required only when the measured SAR is≥0.8W/Kg.
2. Per KDB 865664 D01,if the ratio of largest to smallest SAR for the original and first repeated measurement is≤1.2 and the measured SAR＜1.45W/Kg, only one repeated measurement is required.
3. Perform a second repeated measurement only if the ratio of largest to smallest SAR for the original and first repeated measurements is＞1.20 or when the original or repeated measurement is ≥1.45W/Kg.
4. The ratio is the difference in percentage between original and repeated measured SAR.

12.5 Simultaneous Multi-band Transmission Evaluation:

Application Simultaneous Transmission information:

Position	Simultaneous State
Head	1. GSM + 2.4GHz WLAN/5G WLAN+NFC
	2. GSM + Bluetooth+NFC
	3. WCDMA + 2.4GHz WLAN/5G WLAN+NFC
	4. WCDMA + Bluetooth+NFC
	5. CDMA + 2.4GHz WLAN/5G WLAN+NFC
	6. CDMA + Bluetooth+NFC
	7. LTE + 2.4GHz WLAN/5G WLAN+NFC
	8. LTE + Bluetooth+NFC
	9. SA+2.4GHz WLAN/5G WLAN+NFC
	10. SA+ Bluetooth+NFC
	11. NSA + 2.4GHz WLAN/5G WLAN+NFC
	12. NSA + Bluetooth+NFC
Body	1. GSM + 2.4GHz WLAN/5G WLAN+NFC
	2. GSM + Bluetooth+NFC
	3. WCDMA + 2.4GHz WLAN/5G WLAN+NFC
	4. WCDMA + Bluetooth+NFC
	5. CDMA + 2.4GHz WLAN/5G WLAN+NFC
	6. CDMA + Bluetooth+NFC
	7. LTE + 2.4GHz WLAN/5G WLAN+NFC
	8. LTE + Bluetooth+NFC
	9. SA+2.4GHz WLAN/5G WLAN+NFC
	10. SA+ Bluetooth+NFC
	11. NSA + 2.4GHz WLAN/5G WLAN+NFC
	12. NSA + Bluetooth+NFC

NOTE:
1. Bluetooth and WLAN can't simultaneous transmission at the same time.
2. For simultaneous transmission at head and body exposure position, 2 transmitters simultaneous transmission was the worst state.
3. If the test separation distance is <5mm, 5mm is used for excluded SAR calculation.
4. KDB 447498 / 4.3.2 (2) 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:
a) (max. power of channel, including tune-up tolerance, mW)/(min. test separation distance, mm)]·[√f (GHz) /x] W/kg for test separation distances≤ 50 mm;
Where x = 7.5 for 1-g SAR, and x = 18.75 for 10-g SAR.
b) 0.4W/Kg for 1-g SAR and 1.0W/Kg for 10-g SAR, when the separation distance is >50mm.

Estimated SAR		Maximum Turn-up Power		Antenna to user(mm)	Frequency (GHz)	Stand Alone SAR(1g) [W/kg]
		dBm	mW			
BT	Head	1.5	1.413	5	2.441	0.059
	Body			5	2.441	0.059
NFC	Head	-40	0.0001	5	0.01356	0.00000003
	Body			5	0.01356	0.00000003

Simultaneous Mode	Position	Mode	Max. 1-g SAR (W/kg)	1-g Sum SAR (W/kg)
GSM + 2.4G WLAN	Head	GSM	0.402	0.562
		2.4G WLAN	0.16	
		NFC	0.0000003	
	Body	GSM	0.924	1.068
		2.4G WLAN	0.144	
		NFC	0.0000003	
GSM + Bluetooth	Head	GSM	0.402	0.461
		Bluetooth	0.059	
		NFC	0.0000003	
	Body	GSM	0.924	0.983
		Bluetooth	0.059	
		NFC	0.0000003	
GSM + 5G WLAN	Head	GSM	0.402	1.019
		5G WLAN	0.617	
		NFC	0.0000003	
	Body	GSM	0.924	1.326
		5G WLAN	0.402	
		NFC	0.0000003	
WCDMA + 2.4G WLAN	Head	WCDMA	0.385	0.545
		2.4G WLAN	0.16	
		NFC	0.0000003	
	Body	WCDMA	0.807	0.951
		2.4G WLAN	0.144	
		NFC	0.0000003	
WCDMA + Bluetooth	Head	WCDMA	0.385	0.444
		Bluetooth	0.059	
		NFC	0.0000003	
	Body	WCDMA	0.807	0.866
		Bluetooth	0.059	
		NFC	0.0000003	
WCDMA + 5G WLAN	Head	WCDMA	0.385	1.002
		5G WLAN	0.617	
		NFC	0.0000003	
	Body	WCDMA	0.807	1.209
		5G WLAN	0.402	
		NFC	0.0000003	

CDMA + 2.4G WLAN	Head	CDMA	0.087	0.247
		2.4G WLAN	0.16	
		NFC	0.0000003	
	Body	CDMA	0.105	0.249
		2.4G WLAN	0.144	
		NFC	0.0000003	
CDMA + Bluetooth	Head	CDMA	0.087	0.146
		Bluetooth	0.059	
		NFC	0.0000003	
	Body	CDMA	0.105	0.164
		Bluetooth	0.059	
		NFC	0.0000003	
CDMA + 5G WLAN	Head	CDMA	0.087	0.704
		5G WLAN	0.617	
		NFC	0.0000003	
	Body	CDMA	0.105	0.507
		5G WLAN	0.402	
		NFC	0.0000003	
LTE + 2.4G WLAN	Head	LTE	0.441	0.601
		2.4G WLAN	0.16	
		NFC	0.0000003	
	Body	LTE	0.796	0.940
		2.4G WLAN	0.144	
		NFC	0.0000003	
LTE + Bluetooth	Head	LTE	0.441	0.500
		Bluetooth	0.059	
		NFC	0.0000003	
	Body	LTE	0.796	0.855
		Bluetooth	0.059	
		NFC	0.0000003	
LTE + 5G WLAN	Head	LTE	0.441	1.058
		5G WLAN	0.617	
		NFC	0.0000003	
	Body	LTE	0.796	1.198
		5G WLAN	0.402	
		NFC	0.0000003	

SA + 2.4G WLAN	Head	NR SA	0.573	0.733
		5G WLAN	0.16	
		NFC	0.0000003	
	Body	NR SA	0.634	0.778
		5G WLAN	0.144	
		NFC	0.0000003	
SA+ Bluetooth	Head	NR SA	0.573	0.632
		2.4G WLAN	0.059	
		NFC	0.0000003	
	Body	NR SA	0.634	0.693
		2.4G WLAN	0.059	
		NFC	0.0000003	
SA + 5G WLAN	Head	NR SA	0.573	1.190
		Bluetooth	0.617	
		NFC	0.0000003	
	Body	NR SA	0.634	1.036
		Bluetooth	0.402	
		NFC	0.0000003	
NSA + 2.4G WLAN	Head	NSA	0.459	0.619
		2.4G WLAN	0.16	
		NFC	0.0000003	
	Body	NSA	0.781	0.925
		2.4G WLAN	0.144	
		NFC	0.0000003	
NSA + Bluetooth	Head	NSA	0.459	0.518
		Bluetooth	0.059	
		NFC	0.0000003	
	Body	NSA	0.781	0.840
		Bluetooth	0.059	
		NFC	0.0000003	
NSA + 5G WLAN	Head	NSA	0.459	1.076
		5G WLAN	0.617	
		NFC	0.0000003	
	Body	NSA	0.781	1.183
		5G WLAN	0.402	
		NFC	0.0000003	

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.

When the sum of SAR 1g of all simultaneously transmitting antennas in an operating mode and exposure condition combination is within the SAR limit (SAR-1g 1.6 W/kg), the simultaneous transmission SAR is not required. When the sum of SAR 1g is greater than the SAR limit (SAR-1g 1.6 W/kg), SAR test exclusion is determined by the SPLSR.

13. Equipment List

Kind of Equipment	Manufacturer	Type No.	Serial No.	Last Calibration	Calibrated Until
750MHz Dipole	MVG	DIP0G750	SN 06/22 DIP0G750-638	2022.02.11	2025.02.10
835MHz Dipole	MVG	DIP0G835	SN 06/22 DIP0G835-639	2022.02.11	2025.02.10
1800MHz Dipole	MVG	DIP1G800	SN 06/22 DIP1G800-640	2022.02.11	2025.02.10
1900MHz Dipole	MVG	DIP1G900	SN 06/22 DIP1G900-641	2022.02.11	2025.02.10
2300MHz Dipole	MVG	DIP2G300	SN 06/22 DIP2G100-644	2022.02.11	2025.02.10
2450MHz Dipole	MVG	DIP2G450	SN 06/22 DIP2G450-645	2022.02.11	2025.02.10
2600MHz Dipole	MVG	DIP2G600	SN 06/22 DIP2G600-646	2022.02.11	2025.02.10
3700MHz Dipole	MVG	DIP3G700	SN 06/22 DIP3G700-648	2022.02.11	2025.02.10
3900MHz Dipole	MVG	DIP3G900	SN 06/22 DIP3G900-649	2022.02.11	2025.02.10
5000MHz Dipole	MVG	DIP5G000	SN 06/22 DIP5G000-653	2022.02.11	2025.02.10
E-Field Probe	MVG	EPGO364	SN 04/22 EPGO364	2024.02.07	2025.02.06
Liquid Calibration Kit	MVG	OCPG 87	SN 06/22 OCPG87	2024.02.07	2025.02.06
Antenna	MVG	ANTA 73	SN 06/22 ANTA 73	N/A	N/A
Ellipsoid Phantom	MVG	ELLI 51	SN 06/22 ELLI 51	N/A	N/A
Phantom	MVG	SAM 148	SN 06/22 SAM148	N/A	N/A
Phone holder	MVG	MSH 117	SN 06/22 MSH 117	N/A	N/A
Laptop positioner	MVG	LSH 36	SN 06/22 LSH 38	N/A	N/A
Directional coupler	SHW	SHWDCP	202203280013	2024.04.11	2025.04.10
Network Analyzer	ZVL	R&S	116184-HC	2024.03.25	2025.03.24
Multi Meter	DMM6500	Keithley	4527252	2024.03.15	2025.03.14
Signal Generator	Keysight	N5182B	MY59100717	2024.03.09	2025.03.08
Wireless Communication Test Set	R&S	CMW500	137737	2024.03.09	2025.03.08
Power Sensor	R&S	Z11	116184	2024.02.23	2025.02.22
Electronic Temperature hygrometer	N/A	ST-W2318	N/A	2024.03.11	2025.03.10
Temperature hygrometer	N/A	TP101	N/A	2024.03.11	2025.03.10

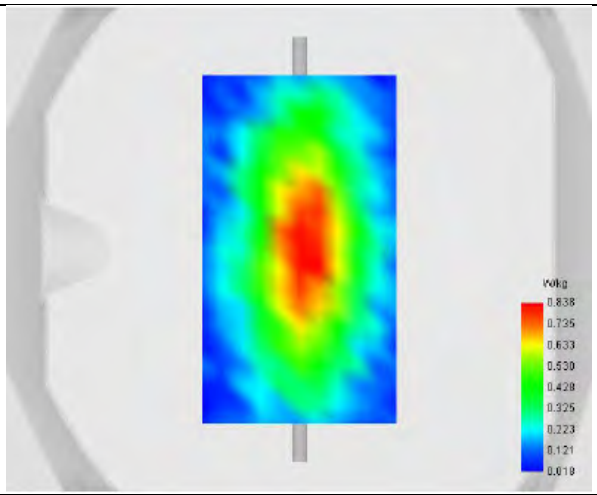
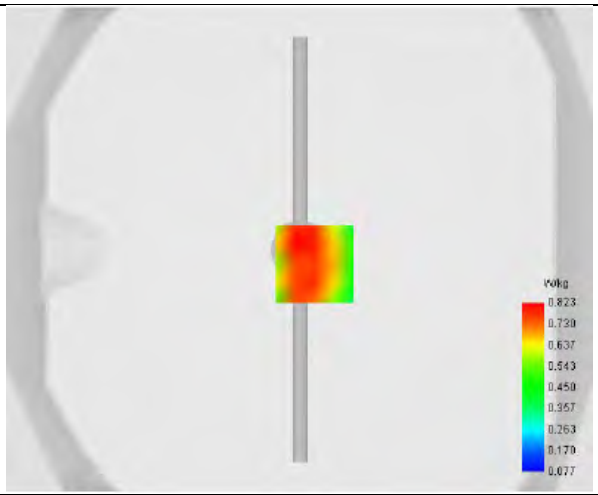
Appendix A. System Validation Plots

System Performance Check Data (750MHz)

Type: Phone measurement (Complete)
Area scan resolution: dx=8mm,dy=8mm
Zoom scan resolution: dx=8mm, dy=8mm, dz=5mm
Date of measurement: 2024-07-14

Experimental conditions.

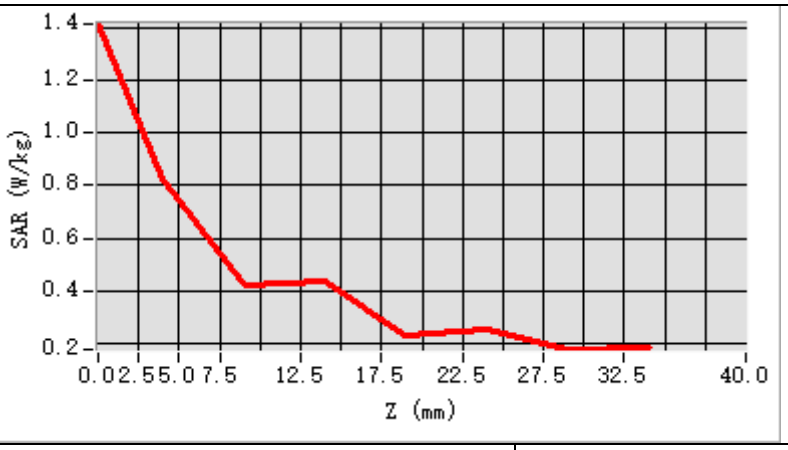
Phantom	Validation plane
Device Position	Dipole
Band	CW750
Channels	Middle
Signal	CW
Frequency (MHz)	750.000
Relative permittivity	41.68
Conductivity (S/m)	0.88
Probe	SN 04/22 EPGO364
ConvF	1.68
Crest factor:	1:1

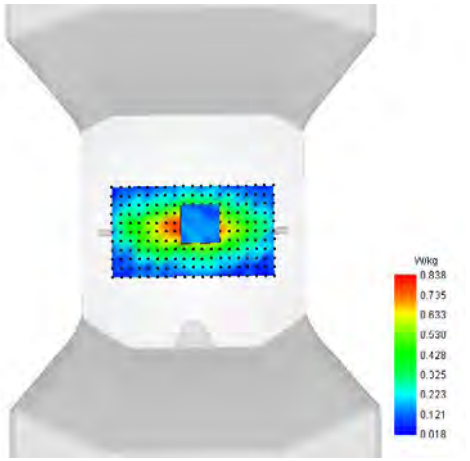
SURFACE SAR	VOLUME SAR
	

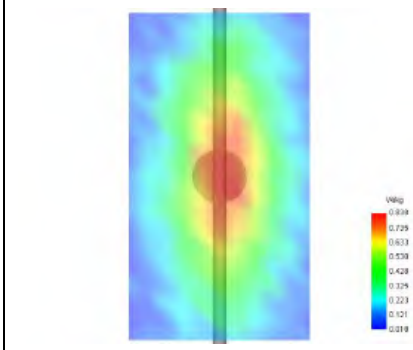
Maximum location: X=6.00, Y=-2.00 ; SAR Peak: 1.31 W/kg

SAR 10g (W/Kg)	0.565
SAR 1g (W/Kg)	0.815

Z Axis Scan





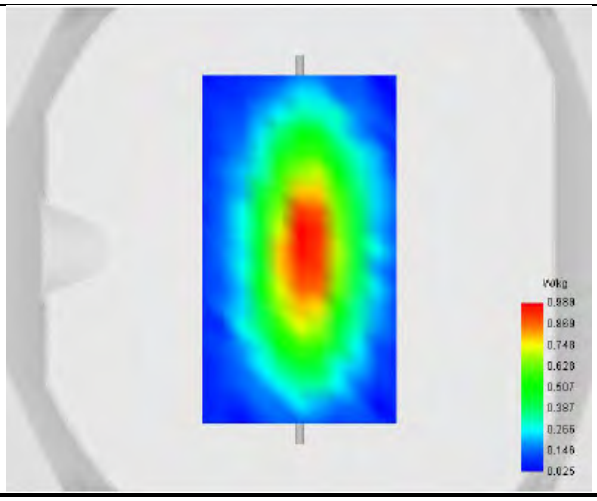
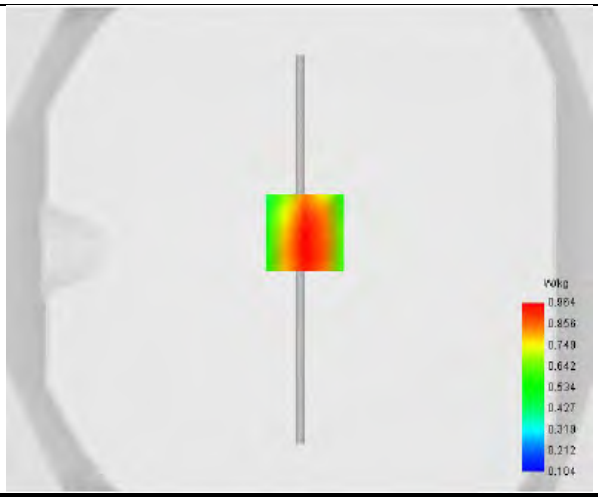


System Performance Check Data (835MHz)

Type: Phone measurement (Complete)
Area scan resolution: dx=8mm,dy=8mm
Zoom scan resolution: dx=8mm, dy=8mm, dz=5mm
Date of measurement: 2024-07-15

Experimental conditions.

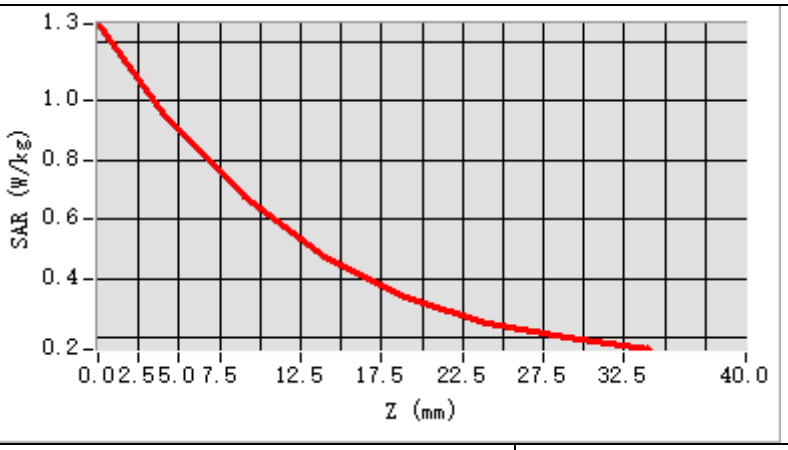
Phantom	Validation plane
Device Position	Dipole
Band	CW835
Channels	Middle
Signal	CW
Frequency (MHz)	835.000
Relative permittivity	40.94
Conductivity (S/m)	0.89
Probe	SN 04/22 EPGO364
ConvF	1.70
Crest factor:	1:1

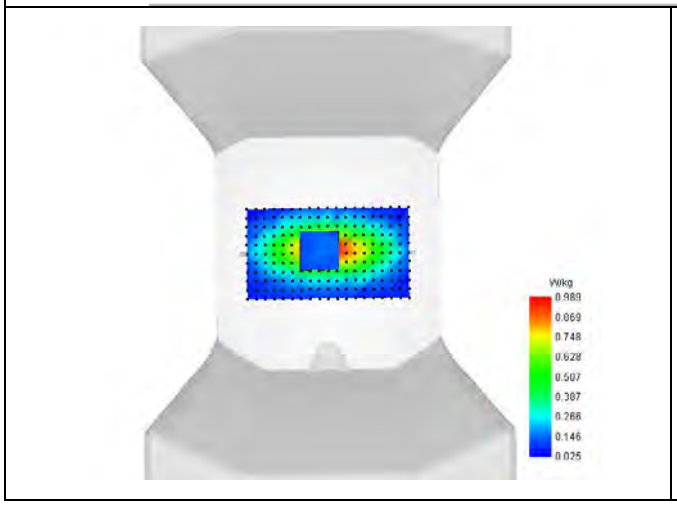
SURFACE SAR	VOLUME SAR
	

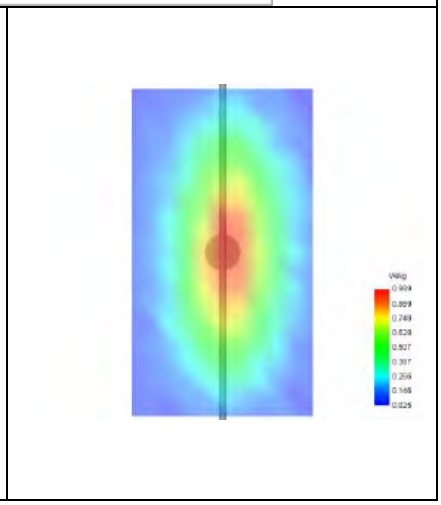
Maximum location: X=2.00, Y=7.00 ; SAR Peak: 1.31 W/kg

SAR 10g (W/Kg)	0.600
SAR 1g (W/Kg)	0.961

Z Axis Scan





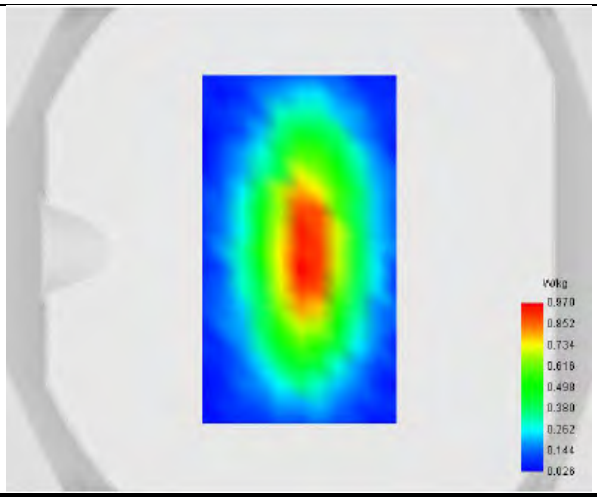
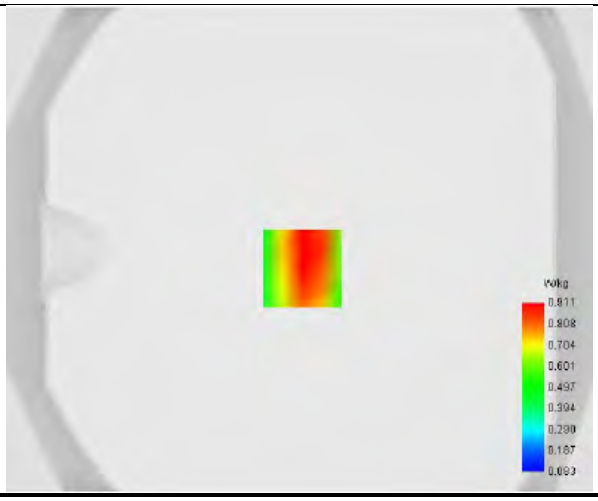


System Performance Check Data (835MHz)

Type: Phone measurement (Complete)
Area scan resolution: dx=8mm,dy=8mm
Zoom scan resolution: dx=8mm, dy=8mm, dz=5mm
Date of measurement: 2024-08-10

Experimental conditions.

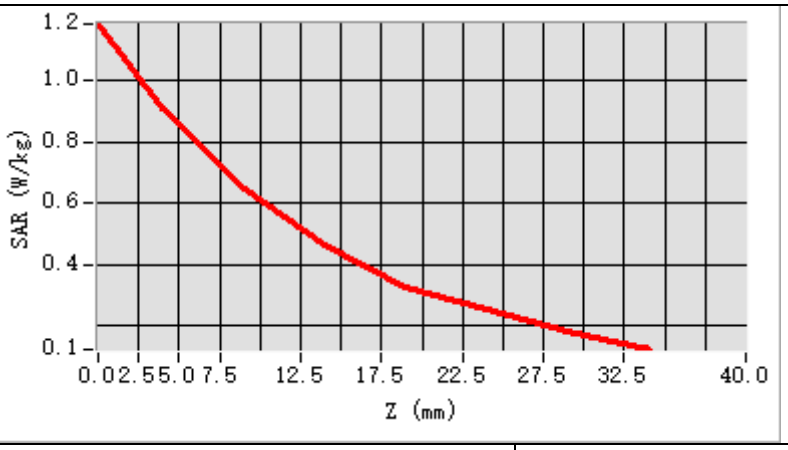
Phantom	Validation plane
Device Position	Dipole
Band	CW835
Channels	Middle
Signal	CW
Frequency (MHz)	835.000
Relative permittivity	41.67
Conductivity (S/m)	0.89
Probe	SN 04/22 EPGO364
ConvF	1.70
Crest factor:	1:1

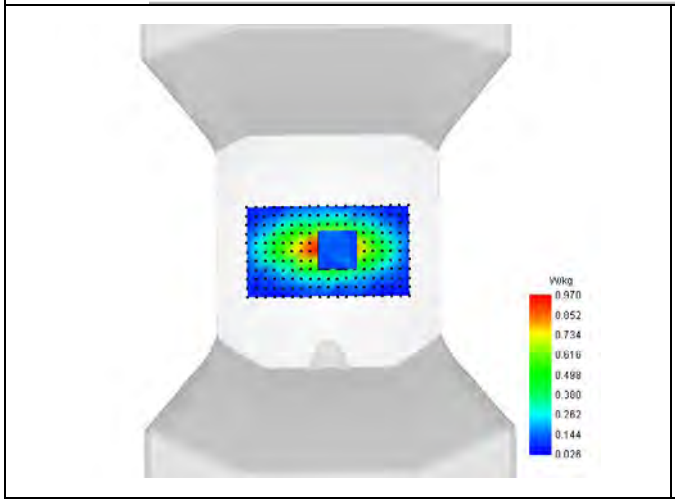
SURFACE SAR	VOLUME SAR
	

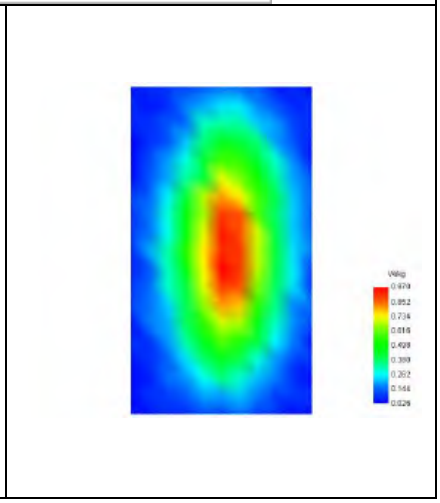
Maximum location: X=1.00, Y=-8.00 ; SAR Peak: 1.26 W/kg

SAR 10g (W/Kg)	0.622
SAR 1g (W/Kg)	0.954

Z Axis Scan





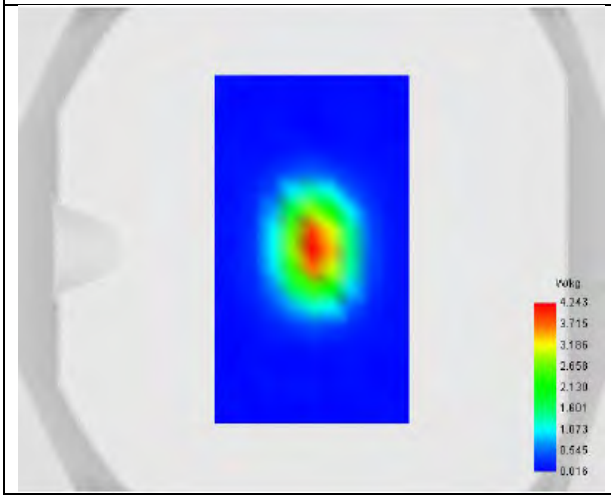
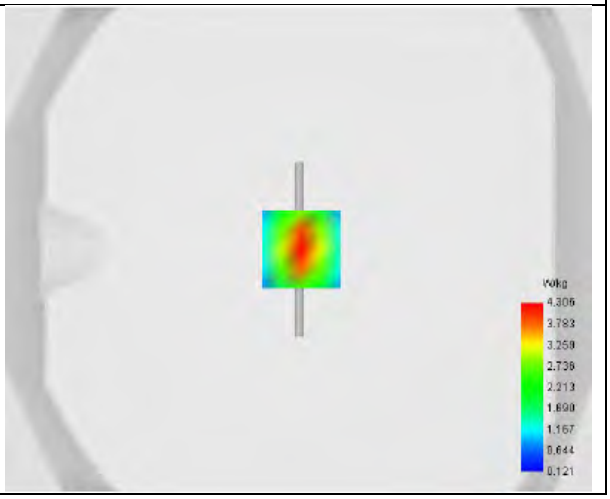


System Performance Check Data (1800MHz)

Type: Phone measurement (Complete)
Area scan resolution: dx=8mm, dy=8mm
Zoom scan resolution: dx=8mm, dy=8mm, dz=5mm
Date of measurement: 2024-07-17

Experimental conditions.

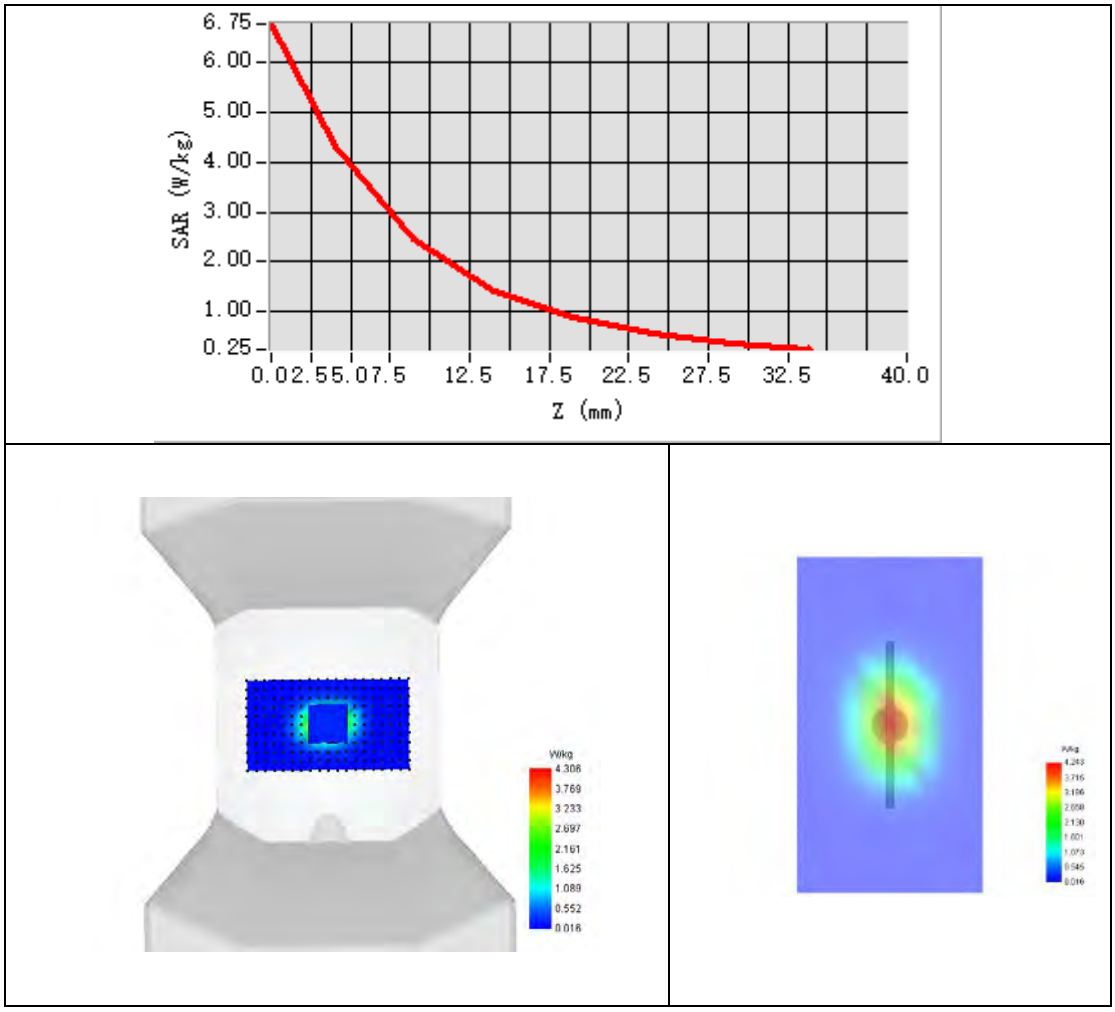
Phantom	Validation plane
Device Position	Dipole
Band	CW1800
Channels	Middle
Signal	CW
Frequency (MHz)	1800.000
Relative permittivity	40.80
Conductivity (S/m)	1.41
Probe	SN 04/22 EPGO364
ConvF	1.91
Crest factor:	1:1

SURFACE	VOLUME SAR
	

Maximum location: X=1.00, Y=0.00 ; SAR Peak: 6.68 W/kg

SAR 10g (W/Kg)	2.048
SAR 1g (W/Kg)	3.878

Z Axis Scan

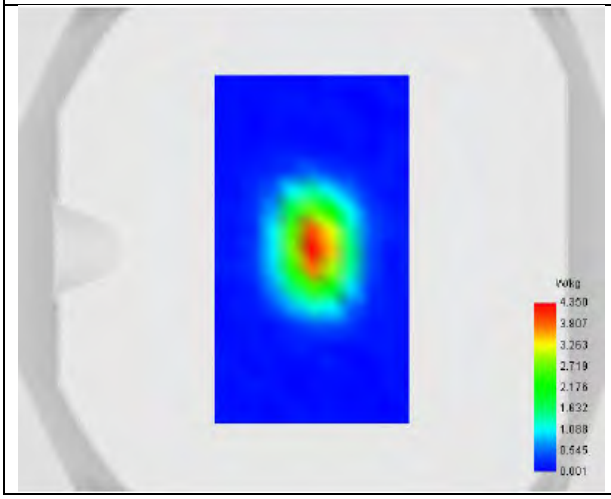
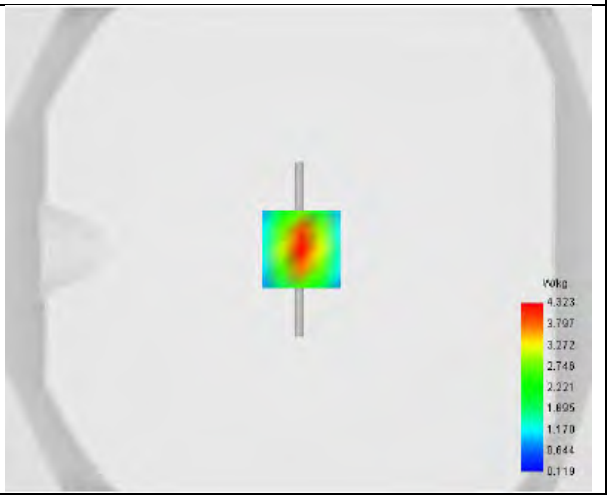

6.75
6.00
5.00
4.00
3.00
2.00
1.00
0.25
SAR (W/kg)
0.0 2.5 5.0 7.5 12.5 17.5 22.5 27.5 32.5 40.0
Z (mm)
W/kg
4.306
3.769
3.233
2.697
2.161
1.625
1.089
0.552
0.016

System Performance Check Data (1800MHz)

Type: Phone measurement (Complete)
Area scan resolution: dx=8mm, dy=8mm
Zoom scan resolution: dx=8mm, dy=8mm, dz=5mm
Date of measurement: 2024-08-12

Experimental conditions.

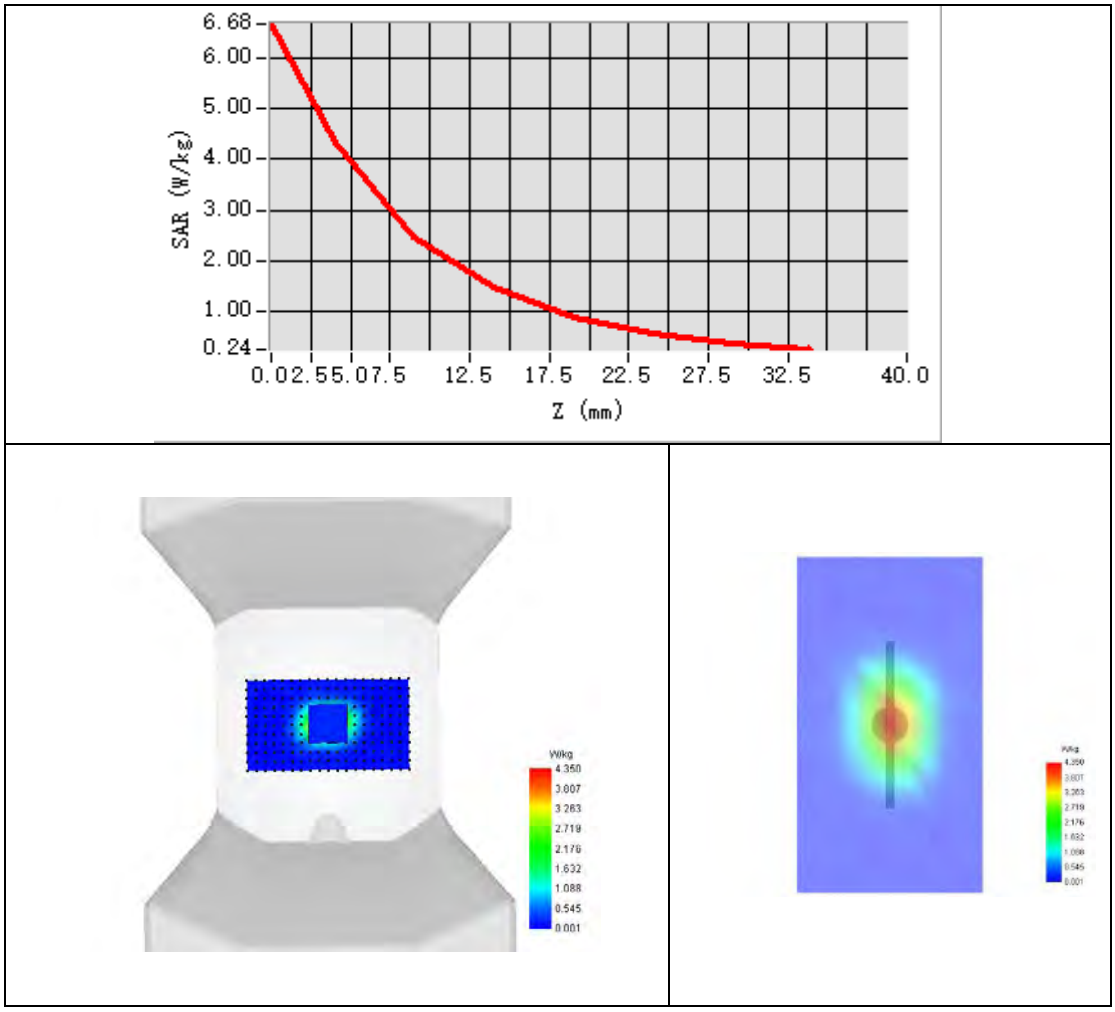
Phantom	Validation plane
Device Position	Dipole
Band	CW1800
Channels	Middle
Signal	CW
Frequency (MHz)	1800.000
Relative permittivity	41.13
Conductivity (S/m)	1.36
Probe	SN 04/22 EPGO364
ConvF	1.91
Crest factor:	1:1

SURFACE	VOLUME SAR
	

Maximum location: X=1.00, Y=0.00 ; SAR Peak: 6.79 W/kg

SAR 10g (W/Kg)	2.070
SAR 1g (W/Kg)	3.939

Z Axis Scan

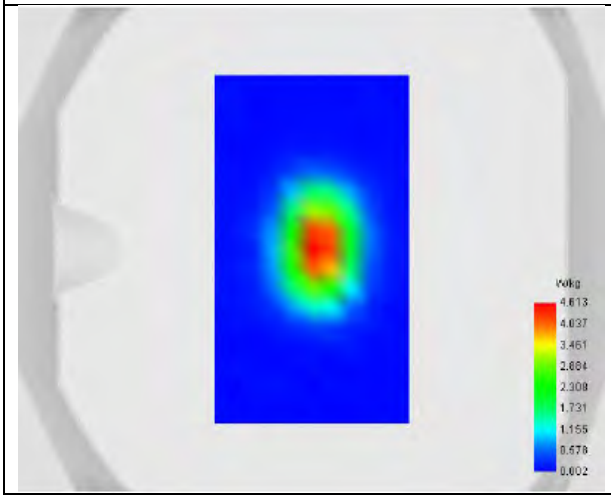
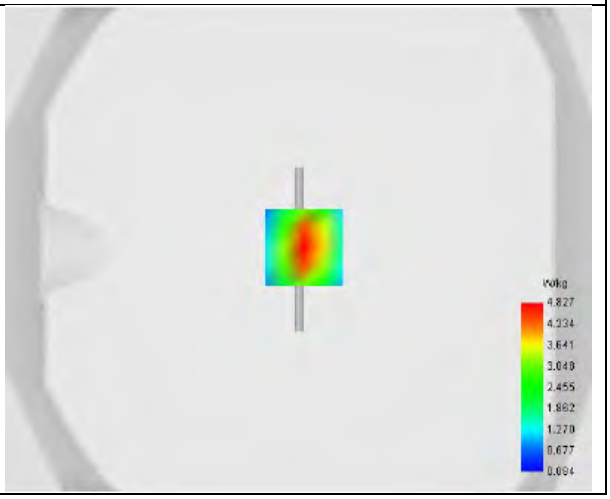

6.68
6.00
5.00
4.00
3.00
2.00
1.00
0.24
SAR (W/kg)
0.0 2.5 5.0 7.5 12.5 17.5 22.5 27.5 32.5 40.0
Z (mm)
W/kg
4.360
3.807
3.263
2.719
2.176
1.632
1.088
0.545
0.001

System Performance Check Data (1900MHz)

Type: Phone measurement (Complete)
Area scan resolution: dx=8mm, dy=8mm
Zoom scan resolution: dx=8mm, dy=8mm, dz=5mm
Date of measurement: 2024-08-09

Experimental conditions.

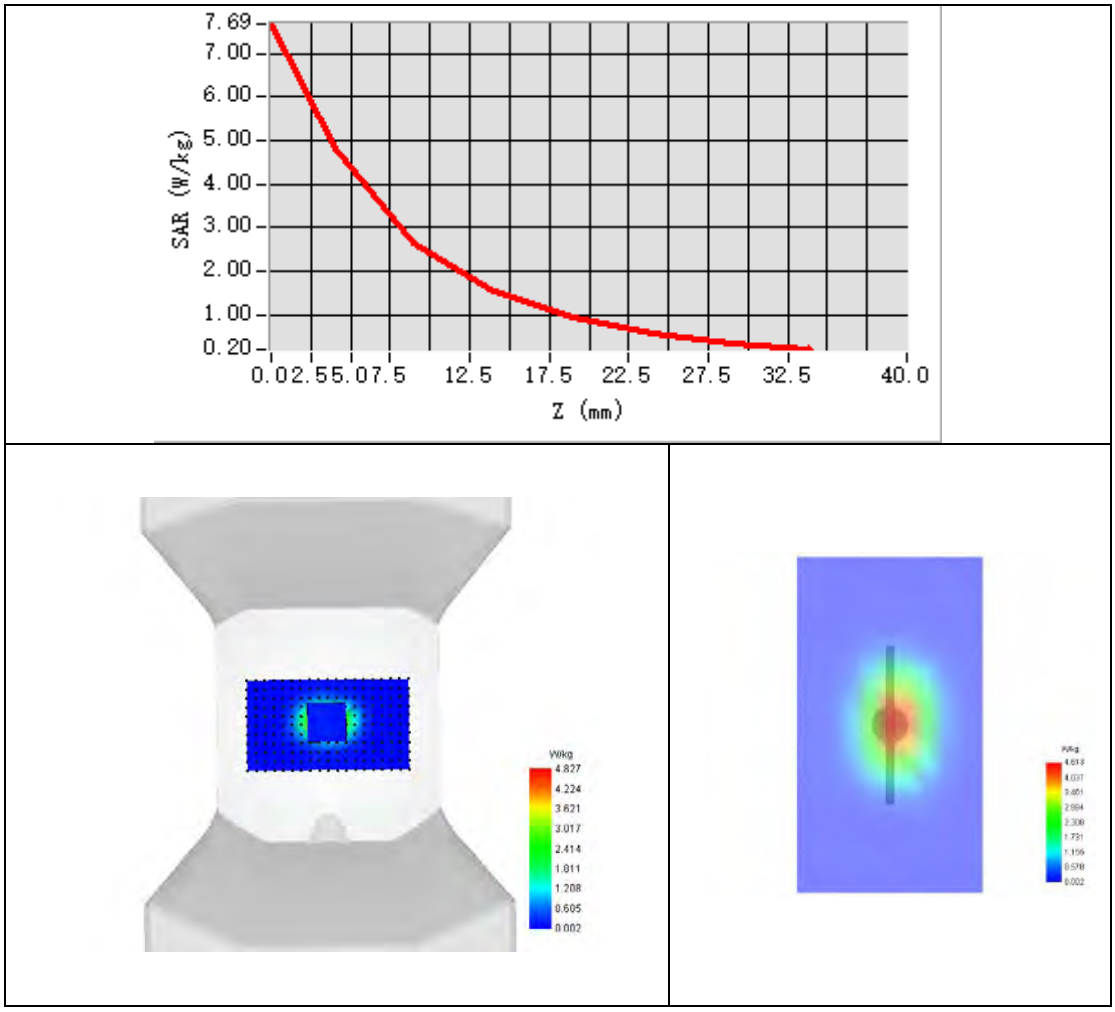
Phantom	Validation plane
Device Position	Dipole
Band	CW1900
Channels	Middle
Signal	CW
Frequency (MHz)	1900.000
Relative permittivity	40.92
Conductivity (S/m)	1.43
Probe	SN 04/22 EPGO364
ConvF	2.24
Crest factor:	1:1

SURFACE	VOLUME SAR
	

Maximum location: X=2.00, Y=1.00 ; SAR Peak: 7.64 W/kg

SAR 10g (W/Kg)	2.104
SAR 1g (W/Kg)	4.128

Z Axis Scan

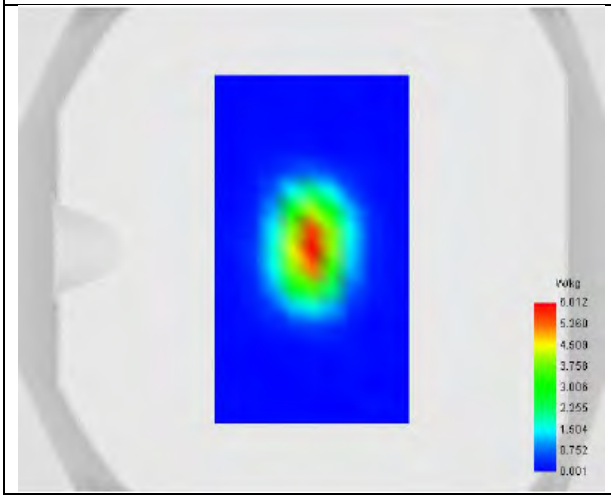
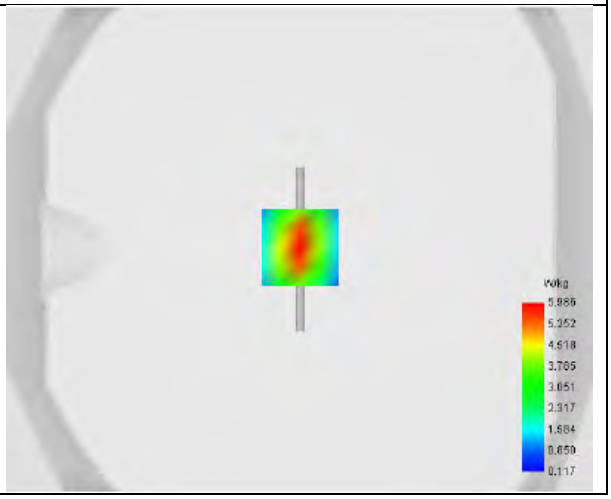

7.69
7.00
6.00
5.00
4.00
3.00
2.00
1.00
0.20
SAR (W/kg)
0.0 2.5 5.0 7.5 12.5 17.5 22.5 27.5 32.5 40.0
Z (mm)
W/kg
4.827
4.224
3.621
3.017
2.414
1.811
1.208
0.605
0.002

System Performance Check Data (1900MHz)

Type: Phone measurement (Complete)
Area scan resolution: dx=8mm, dy=8mm
Zoom scan resolution: dx=8mm, dy=8mm, dz=5mm
Date of measurement: 2024-07-18

Experimental conditions.

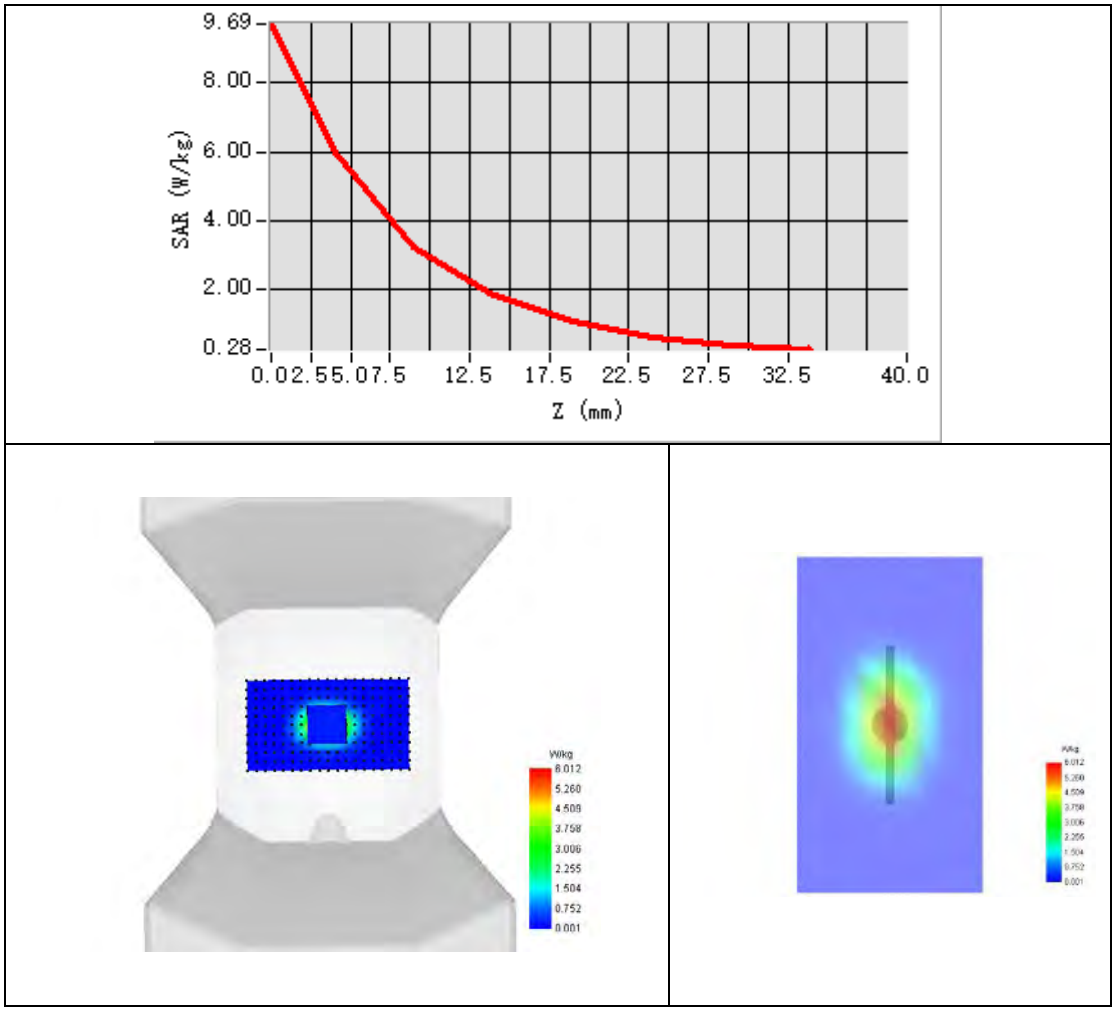
Phantom	Validation plane
Device Position	Dipole
Band	CW1900
Channels	Middle
Signal	CW
Frequency (MHz)	1900.000
Relative permittivity	40.45
Conductivity (S/m)	1.43
Probe	SN 04/22 EPGO364
ConvF	2.24
Crest factor:	1:1

SURFACE	VOLUME SAR
	

Maximum location: X=0.00, Y=1.00 ; SAR Peak: 9.59 W/kg

SAR 10g (W/Kg)	2.059
SAR 1g (W/Kg)	4.048

Z Axis Scan

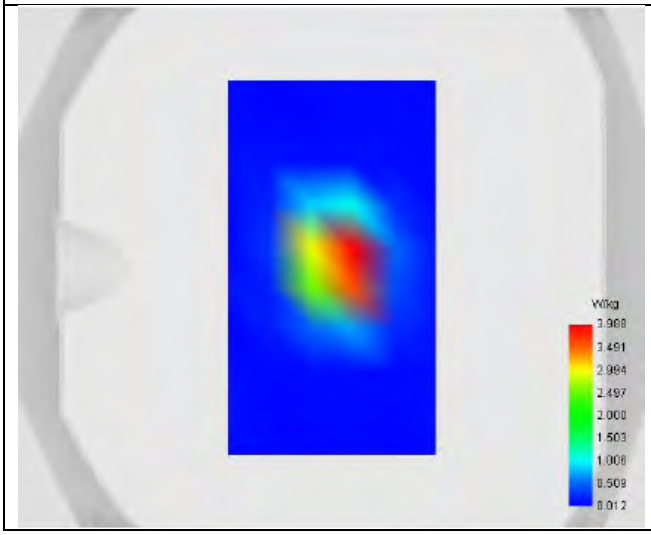
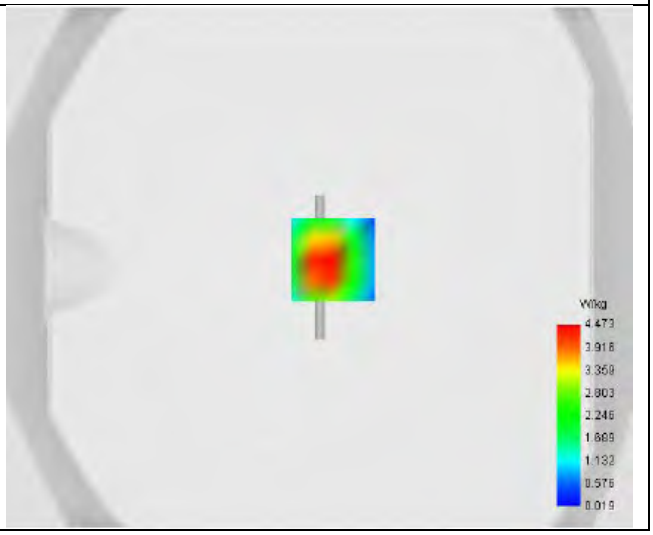

9.69
8.00
6.00
4.00
2.00
0.28
SAR (W/kg)
0.0 2.5 5.0 7.5 12.5 17.5 22.5 27.5 32.5 40.0
Z (mm)
W/kg
8.012
5.260
4.509
3.758
3.006
2.255
1.504
0.752
0.001

System Performance Check Data (2300MHz)

Type: Phone measurement (Complete)
Area scan resolution: dx=8mm, dy=8mm
Zoom scan resolution: dx=8mm, dy=8mm, dz=5mm
Date of measurement: 2024-08-12

Experimental conditions.

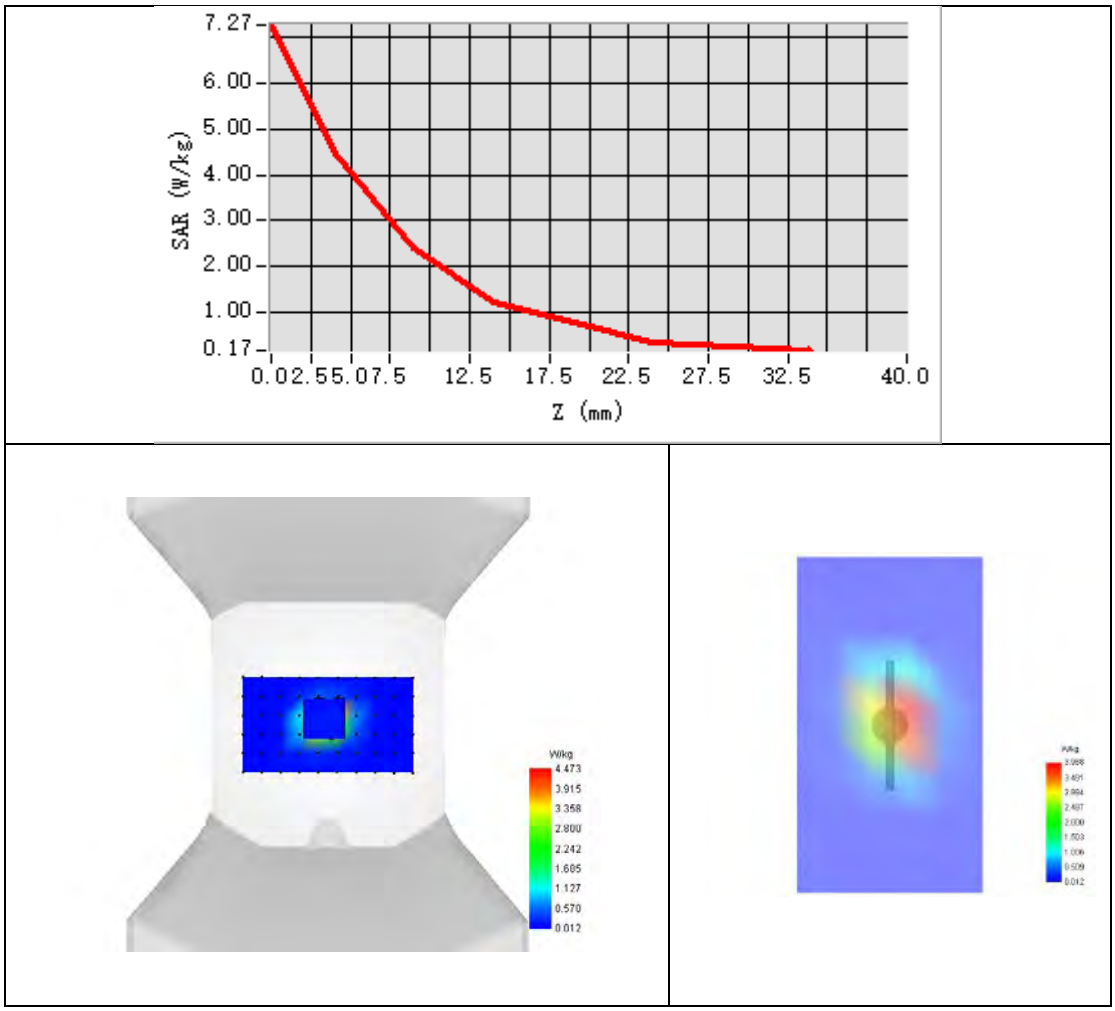
Phantom	Validation plane
Device Position	Dipole
Band	CW2300
Channels	Middle
Signal	CW
Frequency (MHz)	2300.000
Relative permittivity	39.42
Conductivity (S/m)	1.65
Probe	SN 04/22 EPGO364
ConvF	2.31
Crest factor:	1:1

SURFACE	VOLUME SAR
	

Maximum location: X=3.00, Y=0.00 ; SAR Peak: 8.28 W/kg

SAR 10g (W/Kg)	2.320
SAR 1g (W/Kg)	5.068

Z Axis Scan

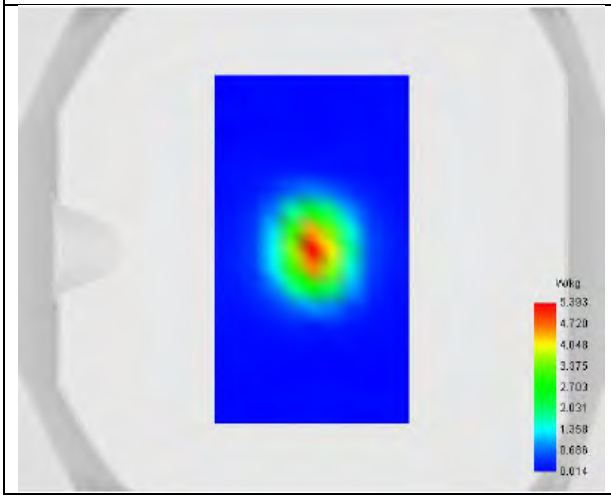
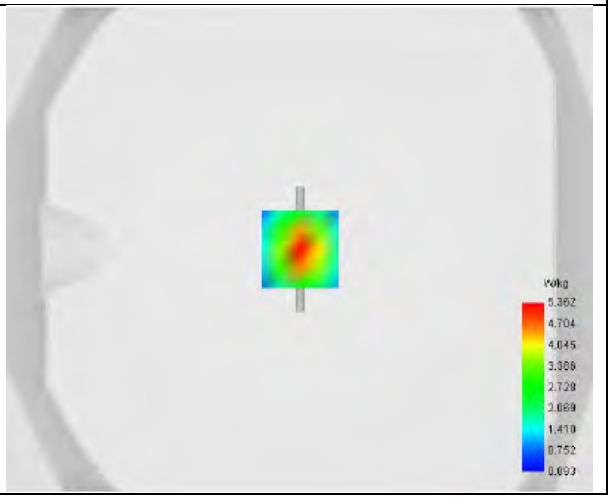

7.27
6.00
5.00
4.00
3.00
2.00
1.00
0.17
SAR (W/kg)
0.0 2.5 5.0 7.5 12.5 17.5 22.5 27.5 32.5 40.0
Z (mm)
W/kg
4.473
3.915
3.358
2.800
2.242
1.685
1.127
0.570
0.012

System Performance Check Data (2450MHz)

Type: Phone measurement (Complete)
Area scan resolution: dx=8mm, dy=8mm
Zoom scan resolution: dx=8mm, dy=8mm, dz=5mm
Date of measurement: 2024-08-11

Experimental conditions.

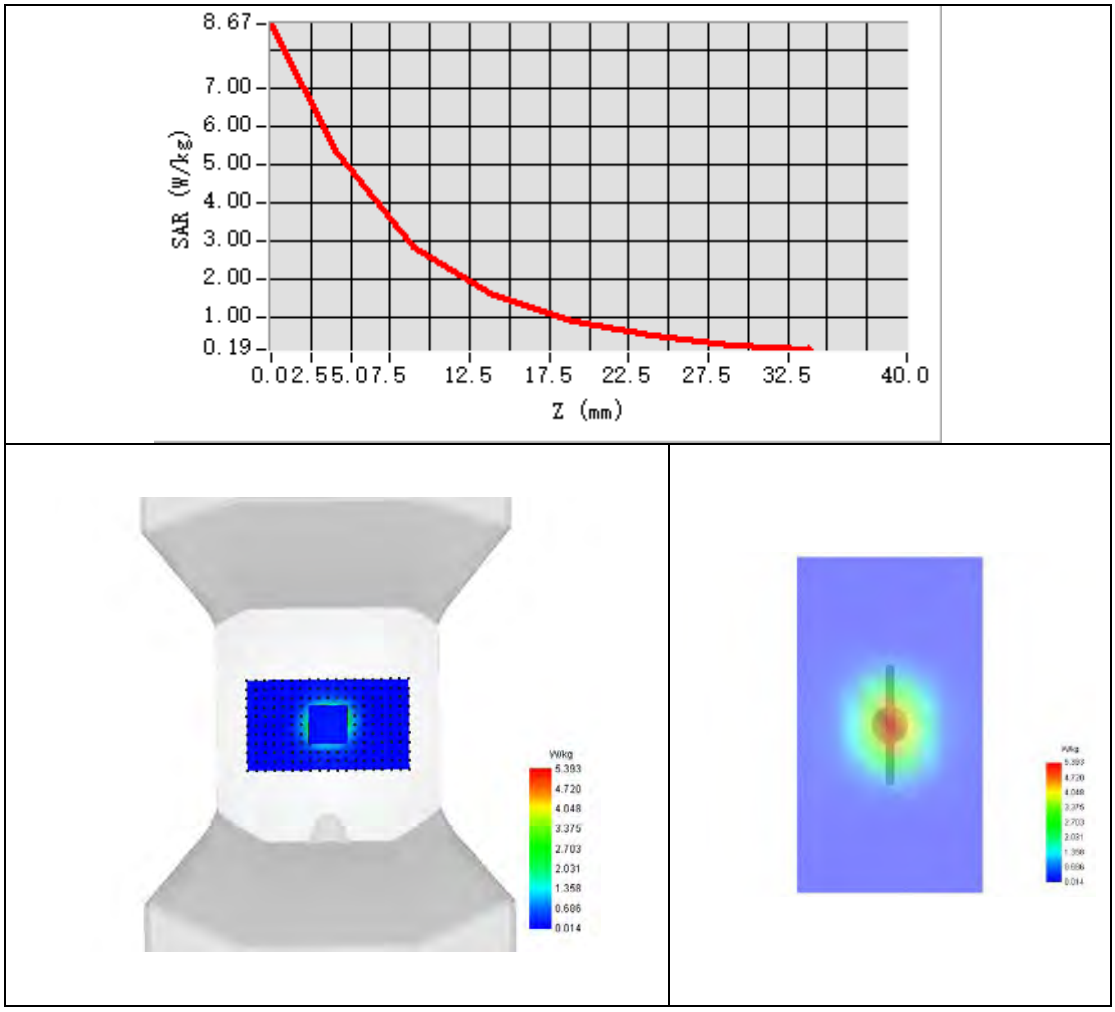
Phantom	Validation plane
Device Position	Dipole
Band	CW2450
Channels	Middle
Signal	CW
Frequency (MHz)	2450.000
Relative permittivity	40.25
Conductivity (S/m)	1.84
Probe	SN 04/22 EPGO364
ConvF	2.30
Crest factor:	1:1

SURFACE	VOLUME SAR
	

Maximum location: X=0.00, Y=0.00 ; SAR Peak: 8.61 W/kg

SAR 10g (W/Kg)	2.408
SAR 1g (W/Kg)	5.436

Z Axis Scan

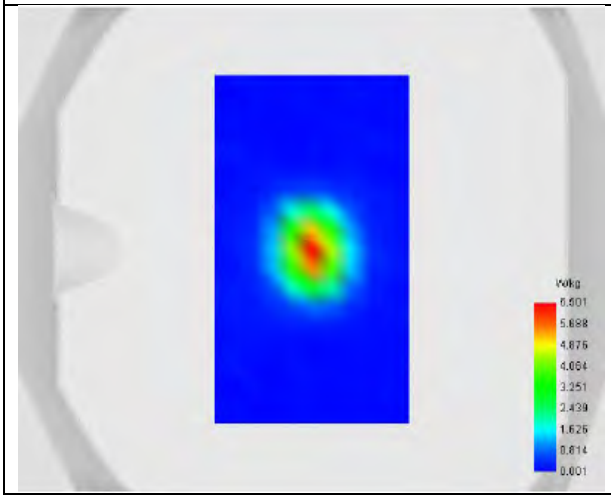
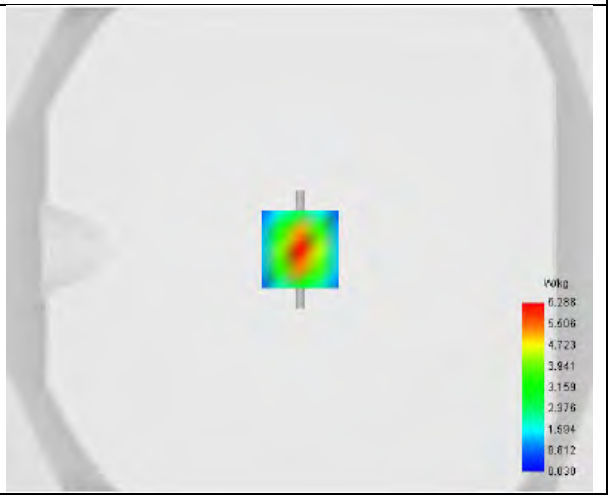

8.67
7.00
6.00
5.00
4.00
3.00
2.00
1.00
0.19
SAR (W/kg)
0.0 2.5 5.0 7.5 12.5 17.5 22.5 27.5 32.5 40.0
Z (mm)
W/kg
5.393
4.720
4.048
3.375
2.703
2.031
1.358
0.686
0.014

System Performance Check Data (2600MHz)

Type: Phone measurement (Complete)
Area scan resolution: dx=8mm, dy=8mm
Zoom scan resolution: dx=8mm, dy=8mm, dz=5mm
Date of measurement: 2024-07-19

Experimental conditions.

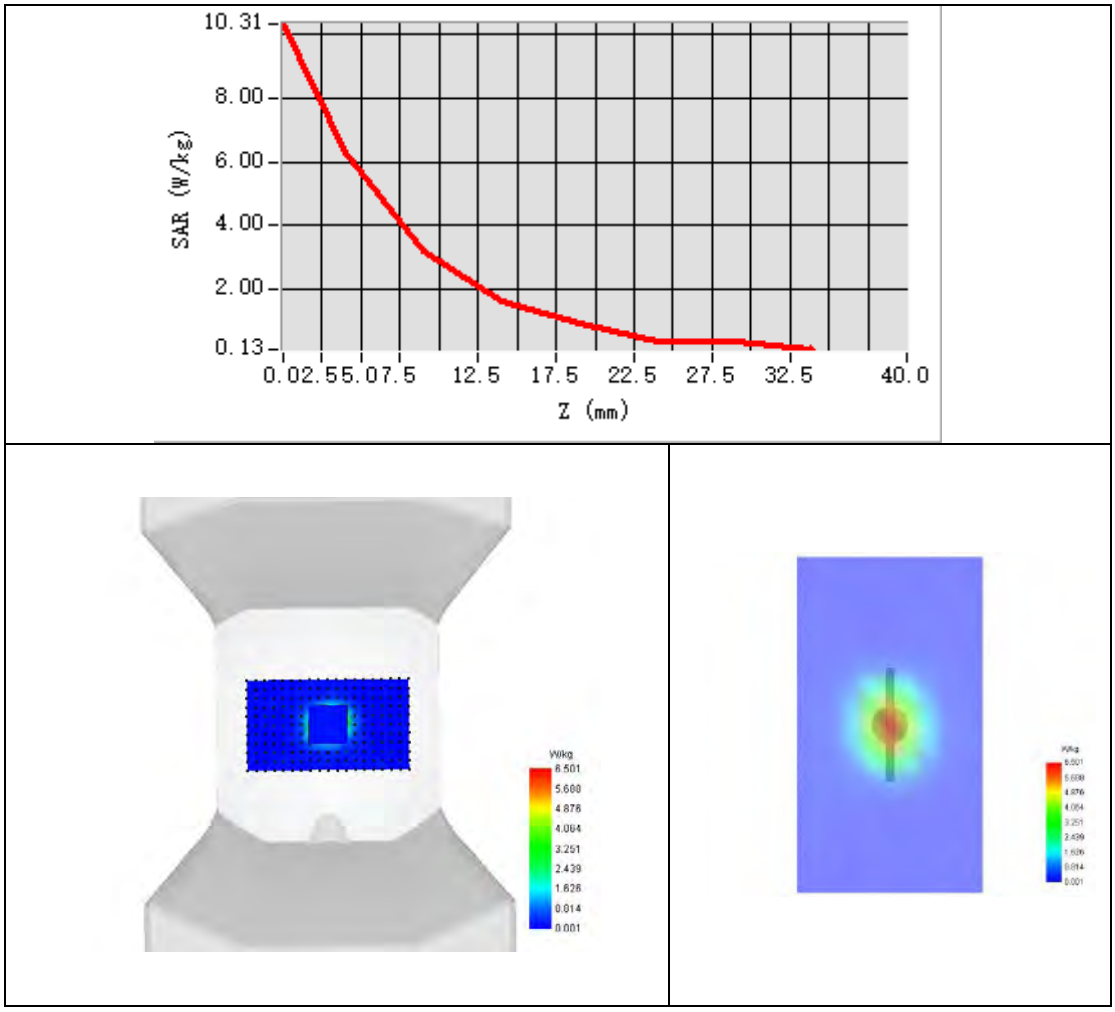
Phantom	Validation plane
Device Position	Dipole
Band	CW2600
Channels	Middle
Signal	CW
Frequency (MHz)	2600.000
Relative permittivity	40.38
Conductivity (S/m)	1.97
Probe	SN 04/22 EPGO364
ConvF	2.35
Crest factor:	1:1

SURFACE	VOLUME SAR
	

Maximum location: X=0.00, Y=0.00 ; SAR Peak: 10.24 W/kg

SAR 10g (W/Kg)	2.381
SAR 1g (W/Kg)	5.699

Z Axis Scan

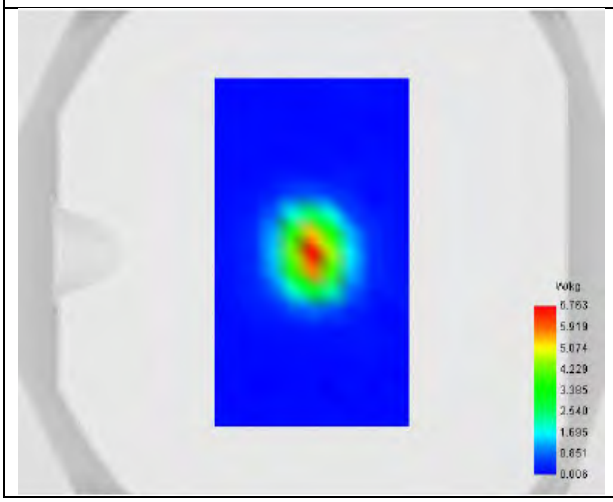
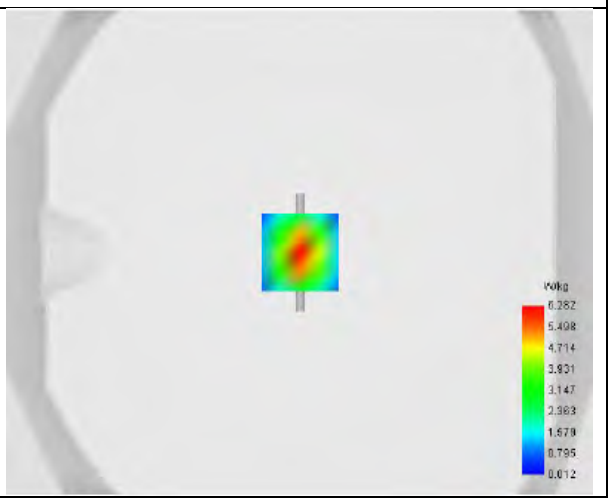

10.31
8.00
6.00
4.00
2.00
0.13
SAR (W/kg)
0.0 2.5 5.0 7.5 12.5 17.5 22.5 27.5 32.5 40.0
Z (mm)
W/kg
8.501
5.668
4.876
4.084
3.251
2.439
1.626
0.814
0.001

System Performance Check Data (2600MHz)

Type: Phone measurement (Complete)
Area scan resolution: dx=8mm, dy=8mm
Zoom scan resolution: dx=8mm, dy=8mm, dz=5mm
Date of measurement: 2024-08-08

Experimental conditions.

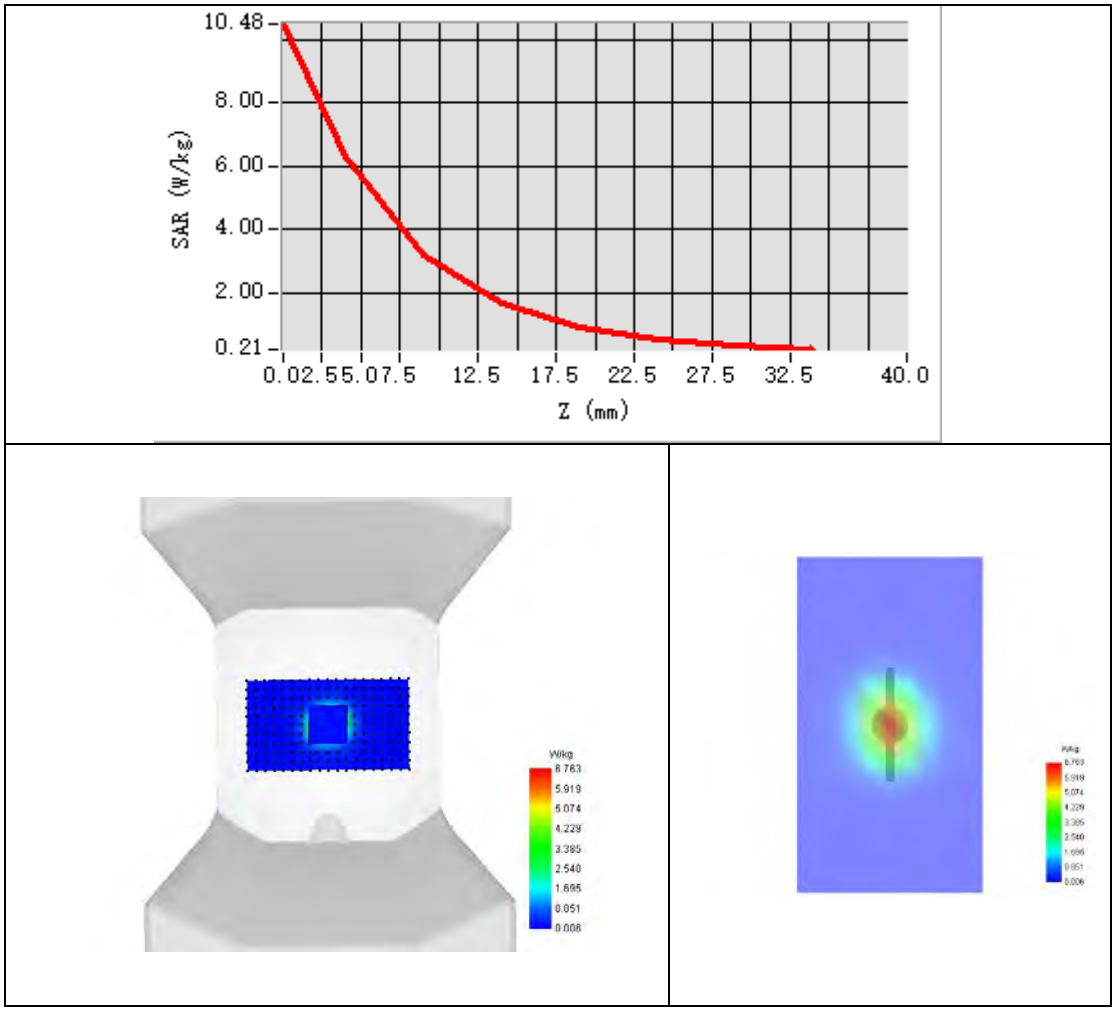
Phantom	Validation plane
Device Position	Dipole
Band	CW2600
Channels	Middle
Signal	CW
Frequency (MHz)	2600.000
Relative permittivity	39.47
Conductivity (S/m)	1.99
Probe	SN 04/22 EPGO364
ConvF	2.35
Crest factor:	1:1

SURFACE	VOLUME SAR
	

Maximum location: X=0.00, Y=0.00 ; SAR Peak: 10.38 W/kg

SAR 10g (W/Kg)	2.422
SAR 1g (W/Kg)	5.651

Z Axis Scan

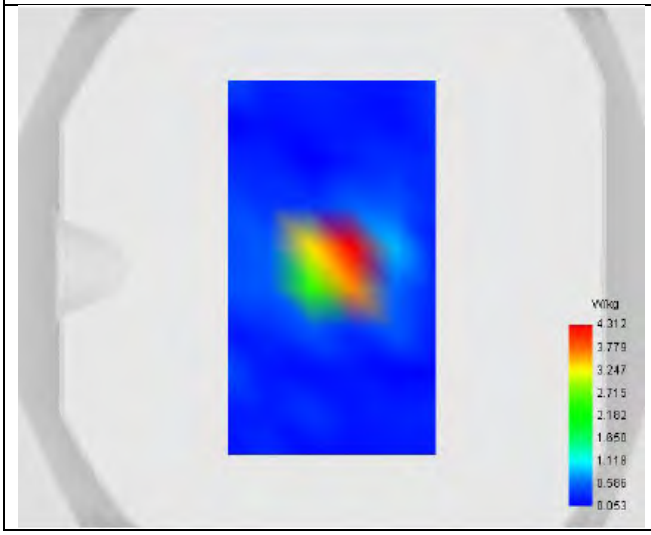
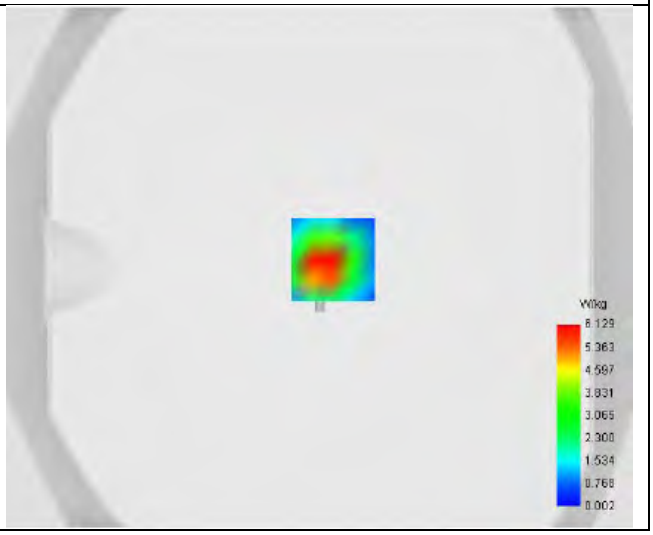

10.48
8.00
6.00
4.00
2.00
0.21
SAR (W/kg)
0.0 2.5 5.0 7.5 12.5 17.5 22.5 27.5 32.5 40.0
Z (mm)
W/kg
8.763
5.919
5.074
4.229
3.385
2.540
1.695
0.851
0.006

System Performance Check Data (3700MHz)

Type: Phone measurement (Complete)
Area scan resolution: dx=4mm, dy=4mm
Zoom scan resolution: dx=4mm, dy=4mm, dz=2mm
Date of measurement: 2024-08-13

Experimental conditions.

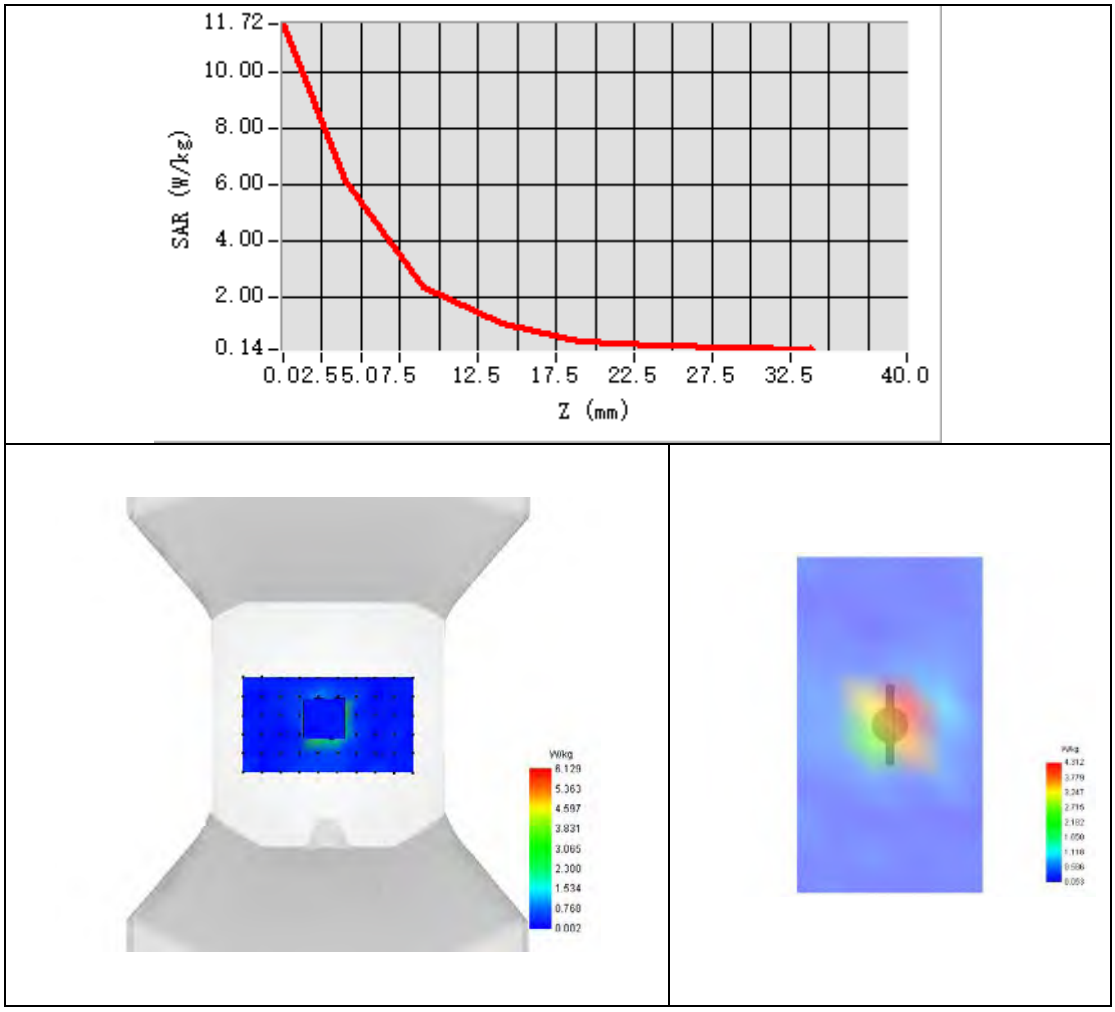
Phantom	Validation plane
Device Position	Dipole
Band	CW3700
Channels	Middle
Signal	CW
Frequency (MHz)	3700.000
Relative permittivity	37.82
Conductivity (S/m)	3.25
Probe	SN 04/22 EPGO364
ConvF	1.84
Crest factor:	1:1

SURFACE	VOLUME SAR
	

Maximum location: X=5.00, Y=2.00 ; SAR Peak: 13.66/kg

SAR 10g (W/Kg)	2.542
SAR 1g (W/Kg)	6.997

Z Axis Scan

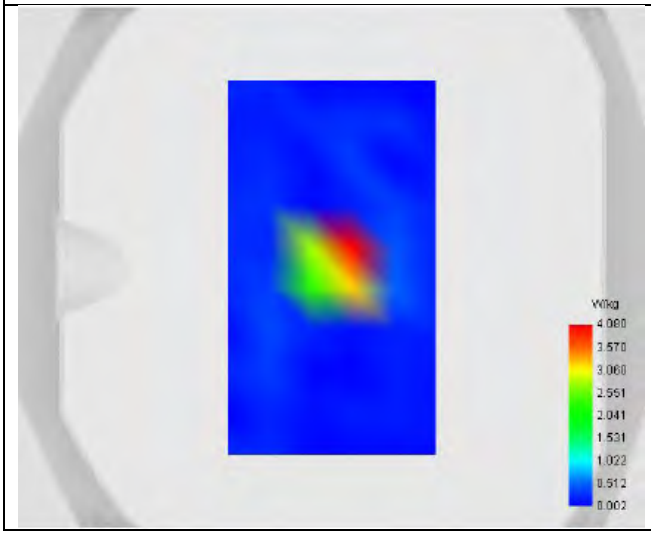
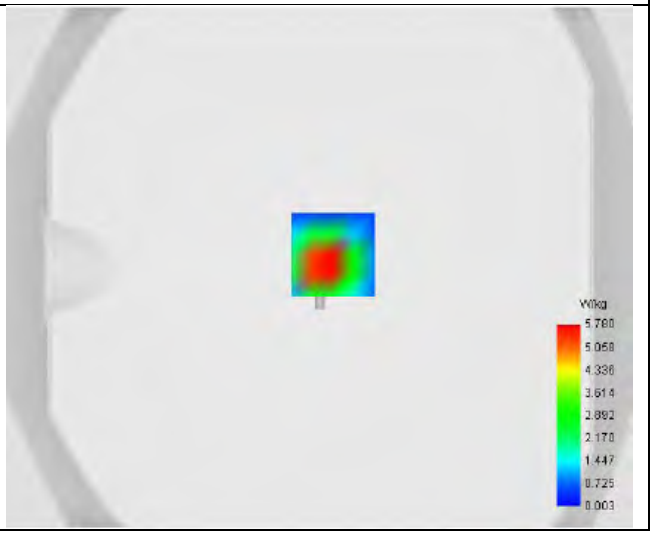

11.72
10.00
8.00
6.00
4.00
2.00
0.14
SAR (W/kg)
0.0 2.5 5.0 7.5 12.5 17.5 22.5 27.5 32.5 40.0
Z (mm)
W/kg
8.129
5.363
4.597
3.831
3.065
2.300
1.534
0.768
0.002

System Performance Check Data (3900MHz)

Type: Phone measurement (Complete)
Area scan resolution: dx=4mm, dy=4mm
Zoom scan resolution: dx=4mm, dy=4mm, dz=2mm
Date of measurement: 2024-08-13

Experimental conditions.

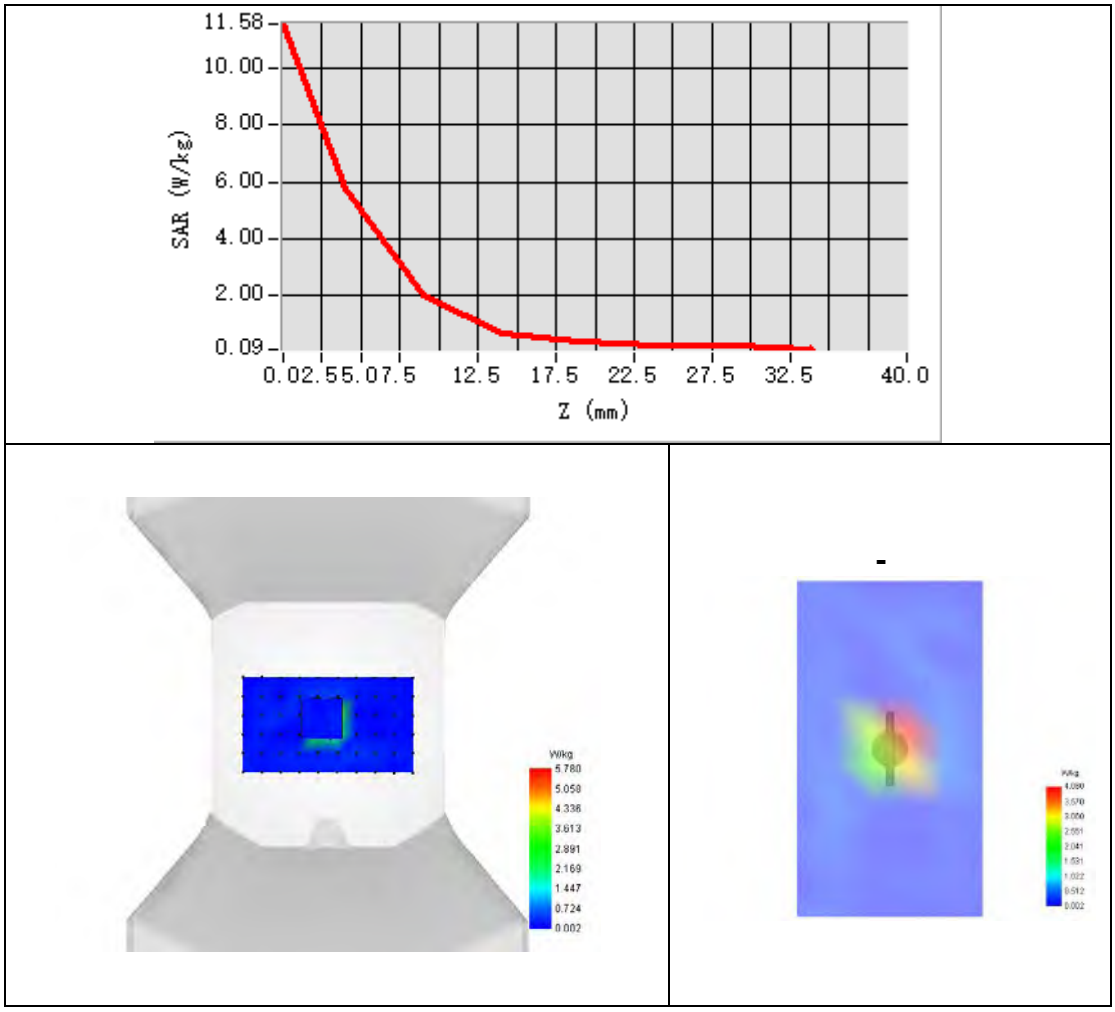
Phantom	Validation plane
Device Position	Dipole
Band	CW3900
Channels	Middle
Signal	CW
Frequency (MHz)	3900.000
Relative permittivity	38.12
Conductivity (S/m)	3.34
Probe	SN 04/22 EPGO364
ConvF	1.83
Crest factor:	1:1

SURFACE	VOLUME SAR
	

Maximum location: X=5.00, Y=0.00 ; SAR Peak: 13.90 W/kg

SAR 10g (W/Kg)	2.434
SAR 1g (W/Kg)	6.975

Z Axis Scan

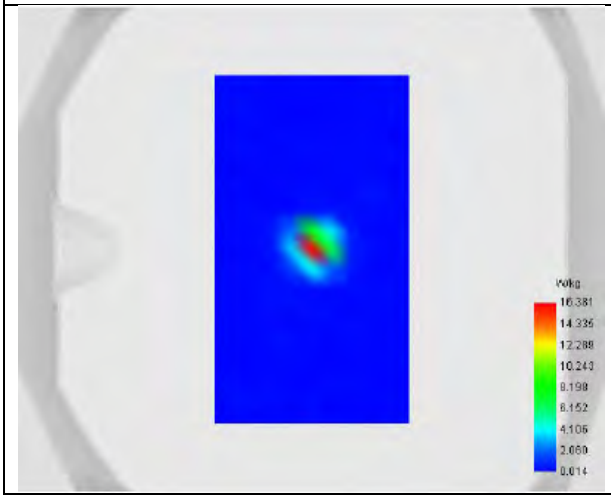
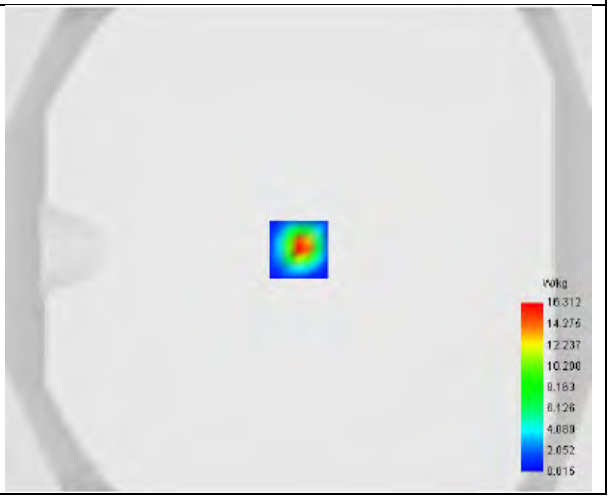

11.58
10.00
8.00
6.00
4.00
2.00
0.09
SAR (W/kg)
0.0 2.5 5.0 7.5 12.5 17.5 22.5 27.5 32.5 40.0
Z (mm)
W/kg
5.780
5.058
4.336
3.613
2.891
2.169
1.447
0.724
0.002

System Performance Check Data (5200MHz)

Type: Phone measurement (Complete)
Area scan resolution: dx=4mm, dy=4mm
Zoom scan resolution: dx=4mm, dy=4mm, dz=2mm
Date of measurement: 2024-08-14

Experimental conditions.

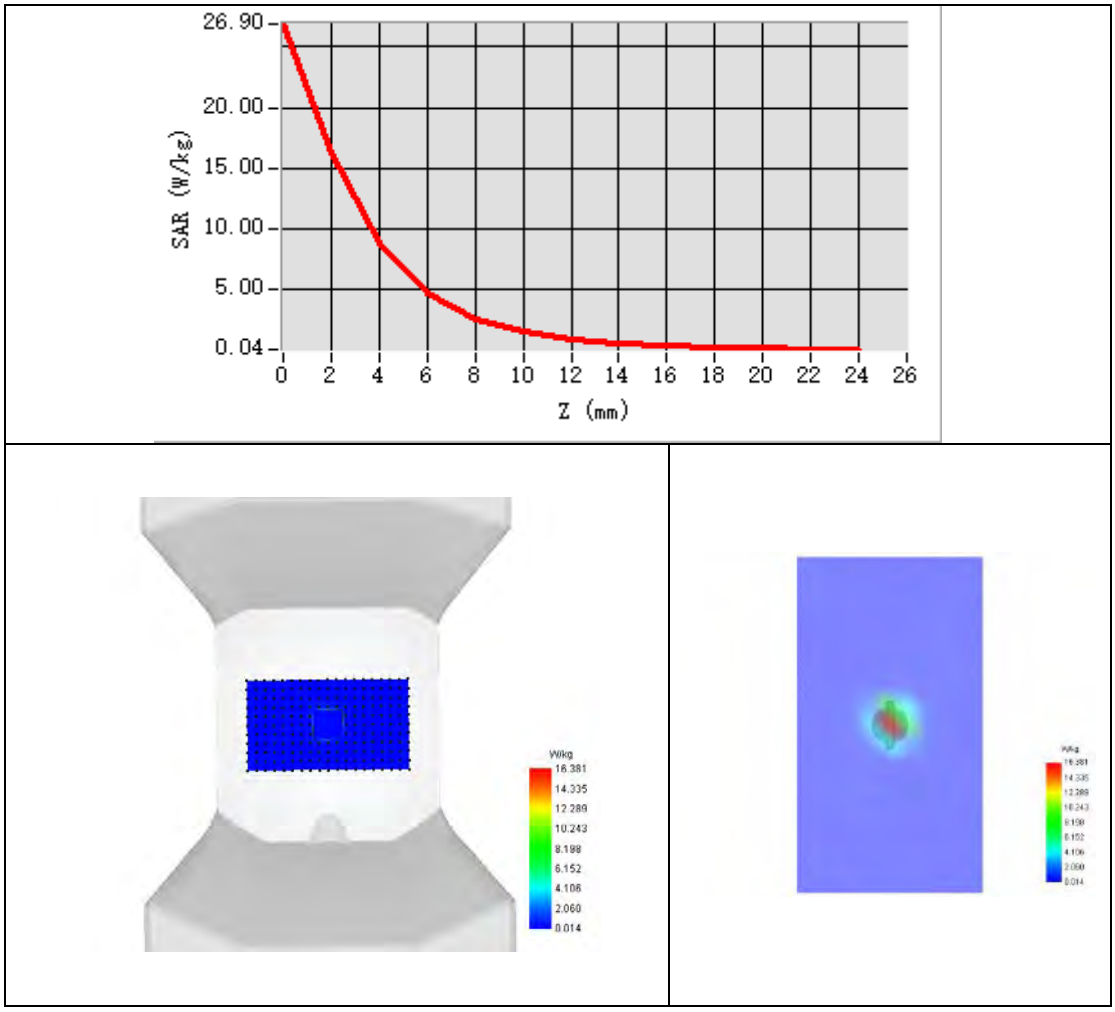
Phantom	Validation plane
Device Position	Dipole
Band	CW5200
Channels	Middle
Signal	CW
Frequency (MHz)	5200.000
Relative permittivity	36.57
Conductivity (S/m)	4.69
Probe	SN 04/22 EPGO364
ConvF	1.98
Crest factor:	1:1

SURFACE	VOLUME SAR
	

Maximum location: X=0.00, Y=0.00 ; SAR Peak: 28.91 W/kg

SAR 10g (W/Kg)	2.171
SAR 1g (W/Kg)	7.774

Z Axis Scan

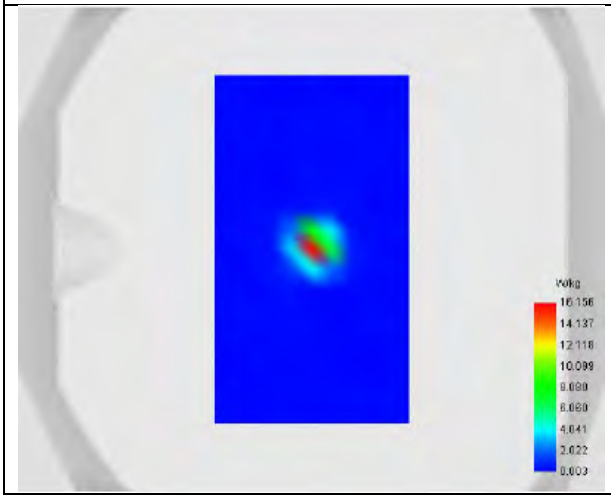
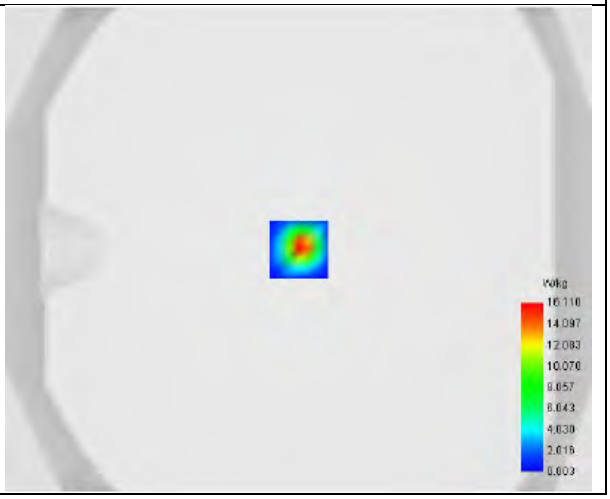

26.90
20.00
15.00
10.00
5.00
0.04
SAR (W/kg)
0
2
4
6
8
10
12
14
16
18
20
22
24
26
Z (mm)
W/kg
16.381
14.335
12.289
10.243
8.198
6.152
4.106
2.060
0.014

System Performance Check Data (5200MHz)

Type: Phone measurement (Complete)
Area scan resolution: dx=4mm, dy=4mm
Zoom scan resolution: dx=4mm, dy=4mm, dz=2mm
Date of measurement: 2024-08-18

Experimental conditions.

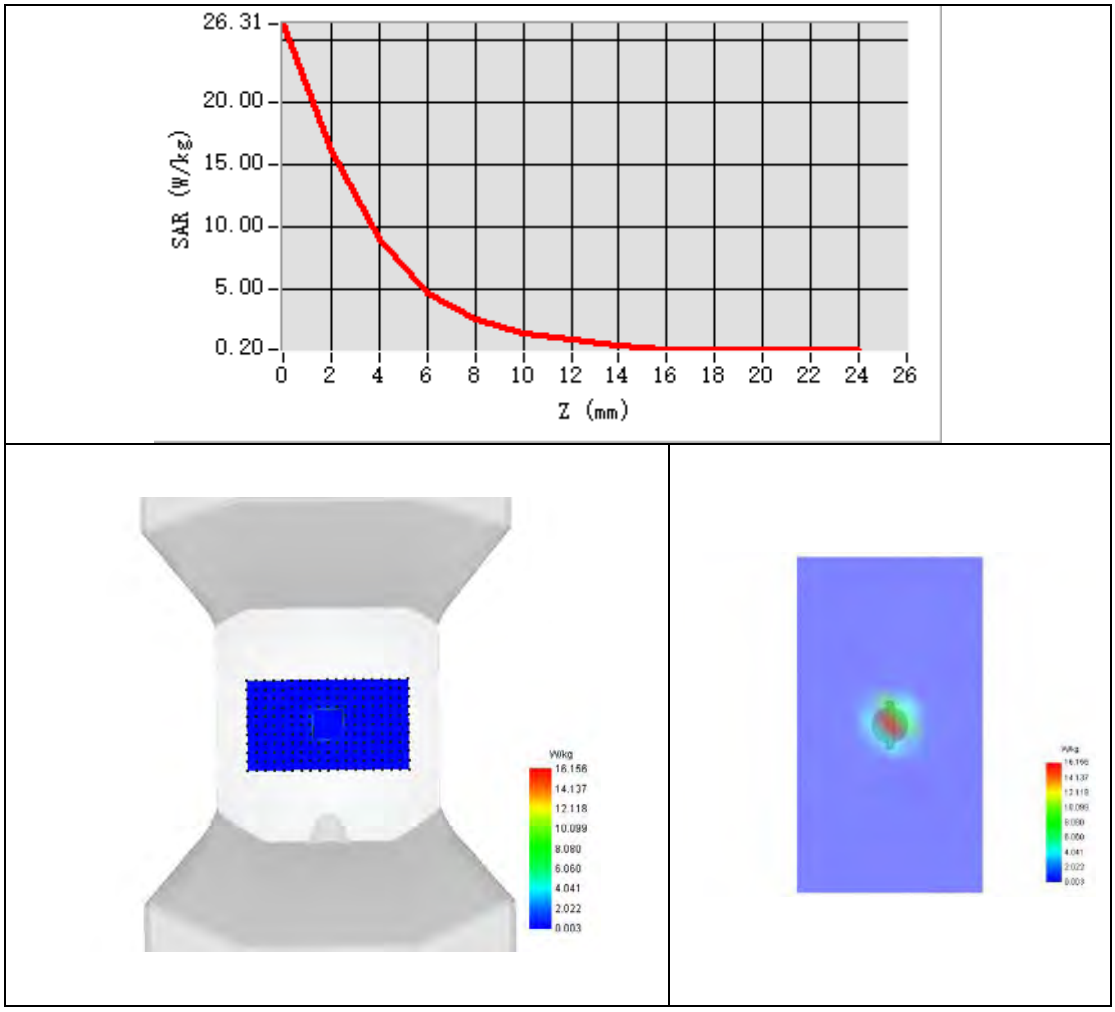
Phantom	Validation plane
Device Position	Dipole
Band	CW5200
Channels	Middle
Signal	CW
Frequency (MHz)	5200.000
Relative permittivity	36.53
Conductivity (S/m)	4.62
Probe	SN 04/22 EPGO364
ConvF	1.98
Crest factor:	1:1

SURFACE	VOLUME SAR
	

Maximum location: X=0.00, Y=0.00 ; SAR Peak: 27.95 W/kg

SAR 10g (W/Kg)	2.190
SAR 1g (W/Kg)	7.740

Z Axis Scan

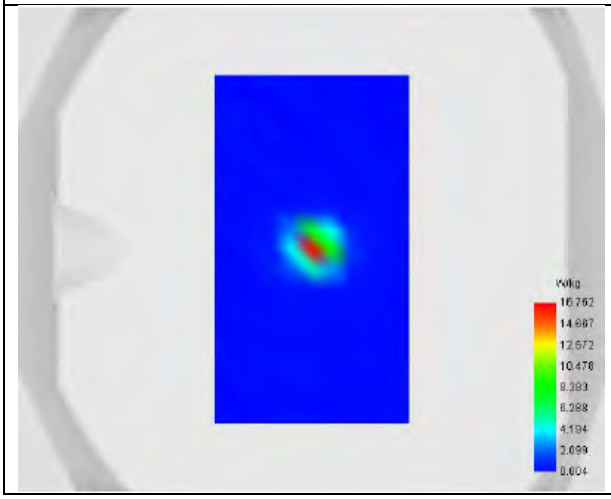
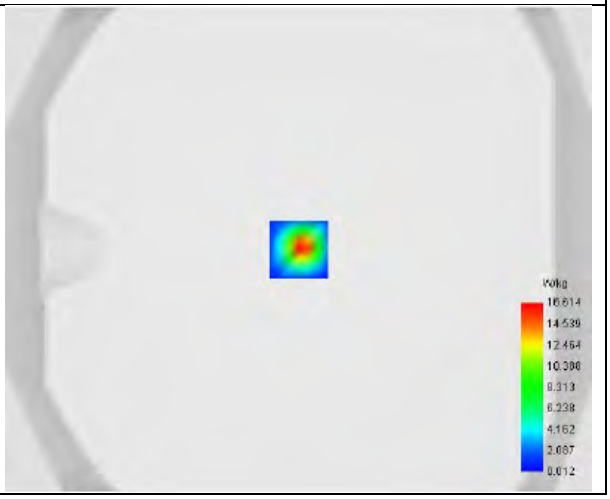

26.31
20.00
15.00
10.00
5.00
0.20
SAR (W/kg)
0
2
4
6
8
10
12
14
16
18
20
22
24
26
Z (mm)
W/kg
16.156
14.137
12.118
10.099
8.080
6.060
4.041
2.022
0.003

System Performance Check Data (5400MHz)

Type: Phone measurement (Complete)
Area scan resolution: dx=4mm, dy=4mm
Zoom scan resolution: dx=4mm, dy=4mm, dz=2mm
Date of measurement: 2024-08-15

Experimental conditions.

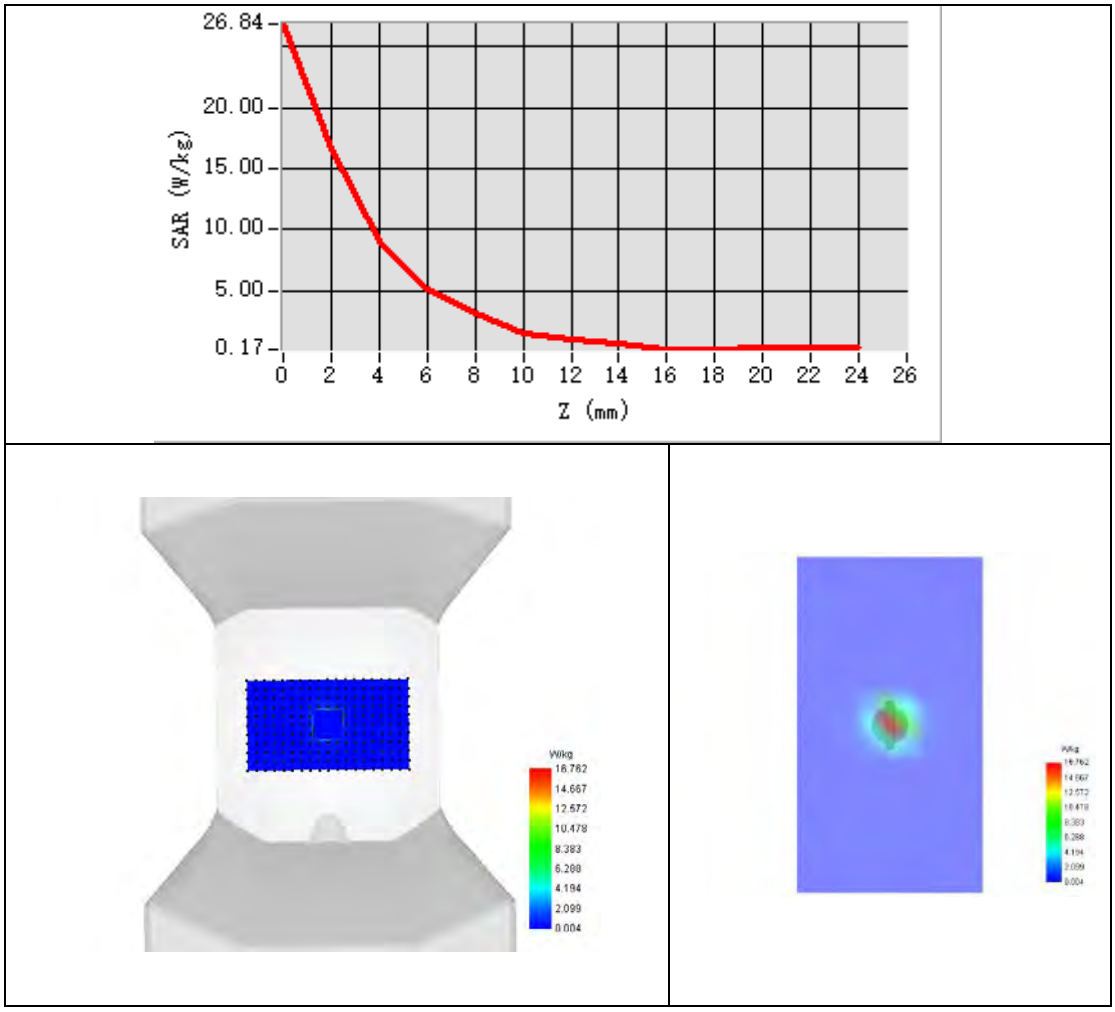
Phantom	Validation plane
Device Position	Dipole
Band	CW5400
Channels	Middle
Signal	CW
Frequency (MHz)	5400.000
Relative permittivity	36.16
Conductivity (S/m)	4.85
Probe	SN 04/22 EPGO364
ConvF	1.83
Crest factor:	1:1

SURFACE	VOLUME SAR
	

Maximum location: X=0.00, Y=0.00 ; SAR Peak: 29.38 W/kg

SAR 10g (W/Kg)	2.232
SAR 1g (W/Kg)	8.056

Z Axis Scan

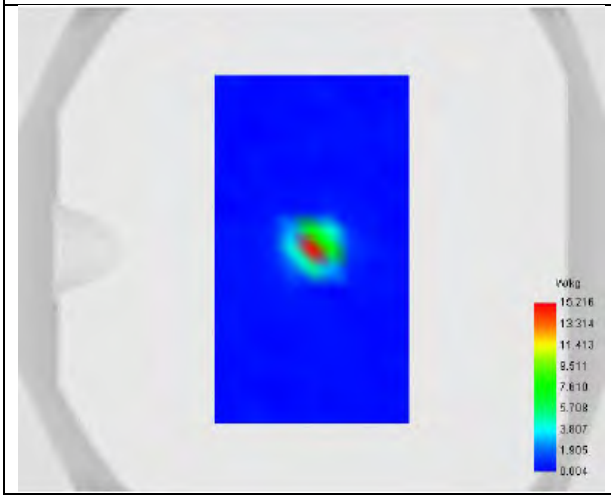
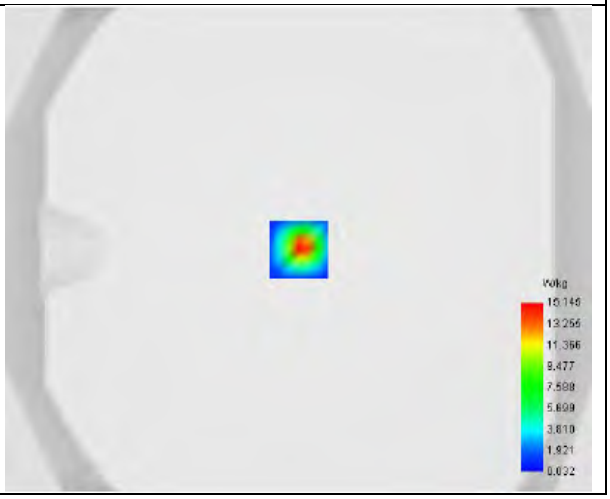

26.84
20.00
15.00
10.00
5.00
0.17
SAR (W/kg)
0
2
4
6
8
10
12
14
16
18
20
22
24
26
Z (mm)
W/kg
18.782
14.667
12.572
10.479
8.383
6.288
4.194
2.099
0.004

System Performance Check Data (5400MHz)

Type: Phone measurement (Complete)
Area scan resolution: dx=4mm, dy=4mm
Zoom scan resolution: dx=4mm, dy=4mm, dz=2mm
Date of measurement: 2024-08-18

Experimental conditions.

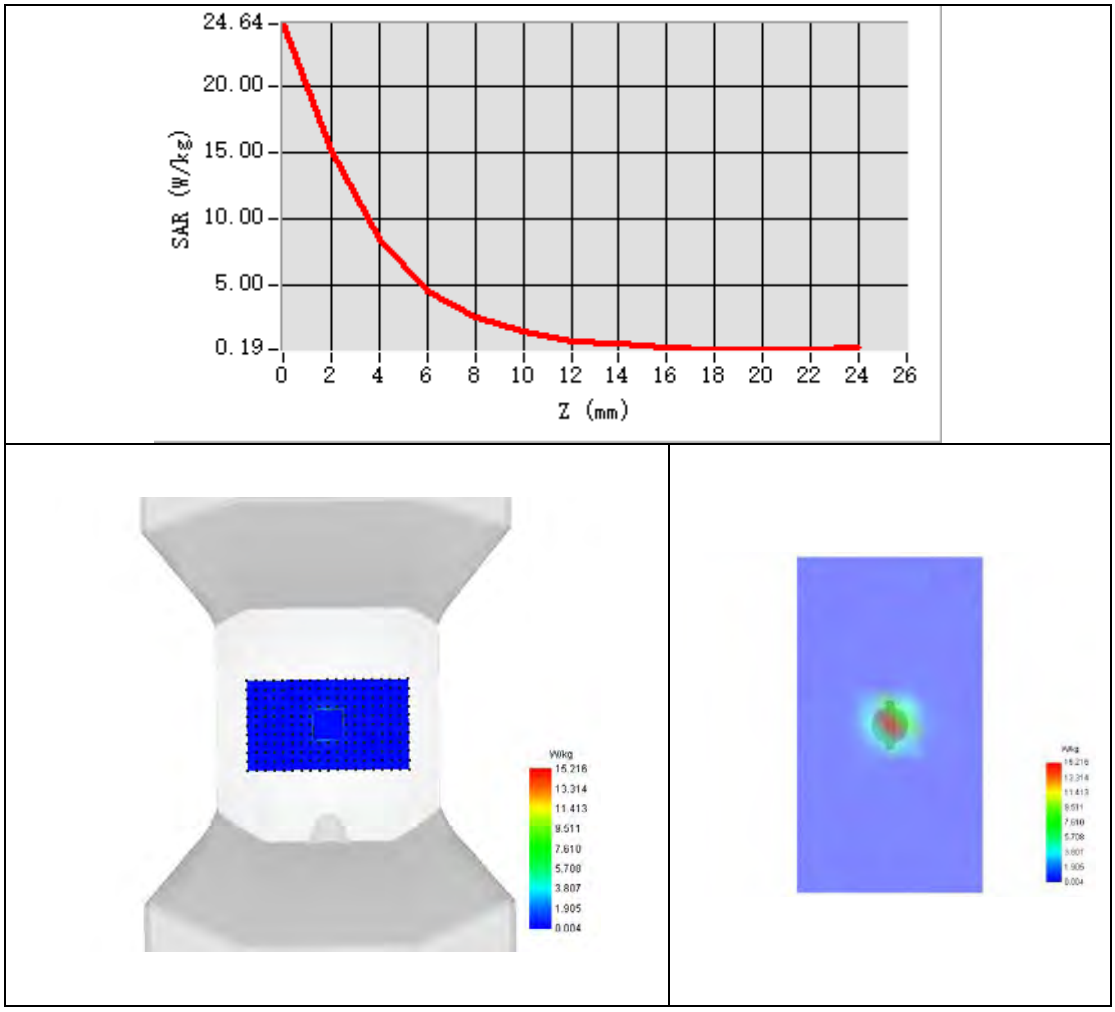
Phantom	Validation plane
Device Position	Dipole
Band	CW5400
Channels	Middle
Signal	CW
Frequency (MHz)	5400.000
Relative permittivity	36.49
Conductivity (S/m)	4.82
Probe	SN 04/22 EPGO364
ConvF	1.83
Crest factor:	1:1

SURFACE	VOLUME SAR
	

Maximum location: X=0.00, Y=0.00 ; SAR Peak: 27.04 W/kg

SAR 10g (W/Kg)	2.262
SAR 1g (W/Kg)	8.030

Z Axis Scan

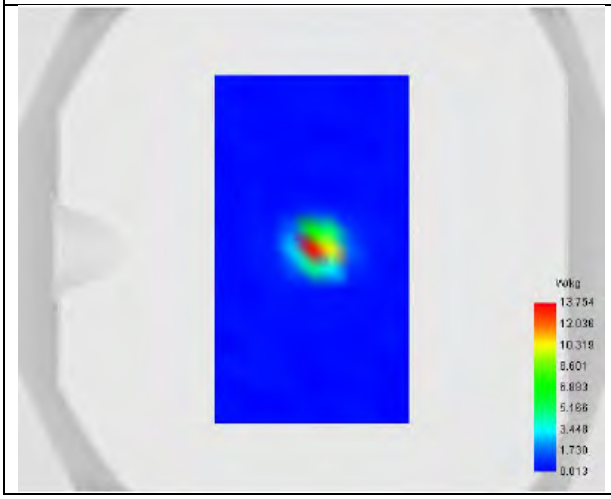
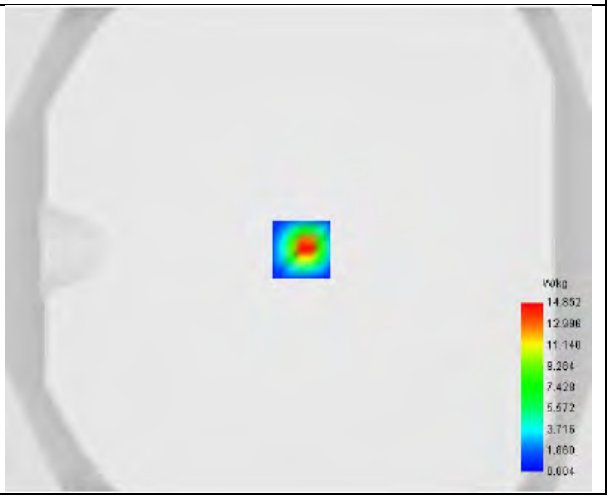

24.64
20.00
15.00
10.00
5.00
0.19
SAR (W/kg)
0
2
4
6
8
10
12
14
16
18
20
22
24
26
Z (mm)
W/kg
15.216
13.314
11.413
9.511
7.610
5.708
3.807
1.905
0.004

System Performance Check Data (5600MHz)

Type: Phone measurement (Complete)
Area scan resolution: dx=4mm, dy=4mm
Zoom scan resolution: dx=4mm, dy=4mm, dz=2mm
Date of measurement: 2024-08-16

Experimental conditions.

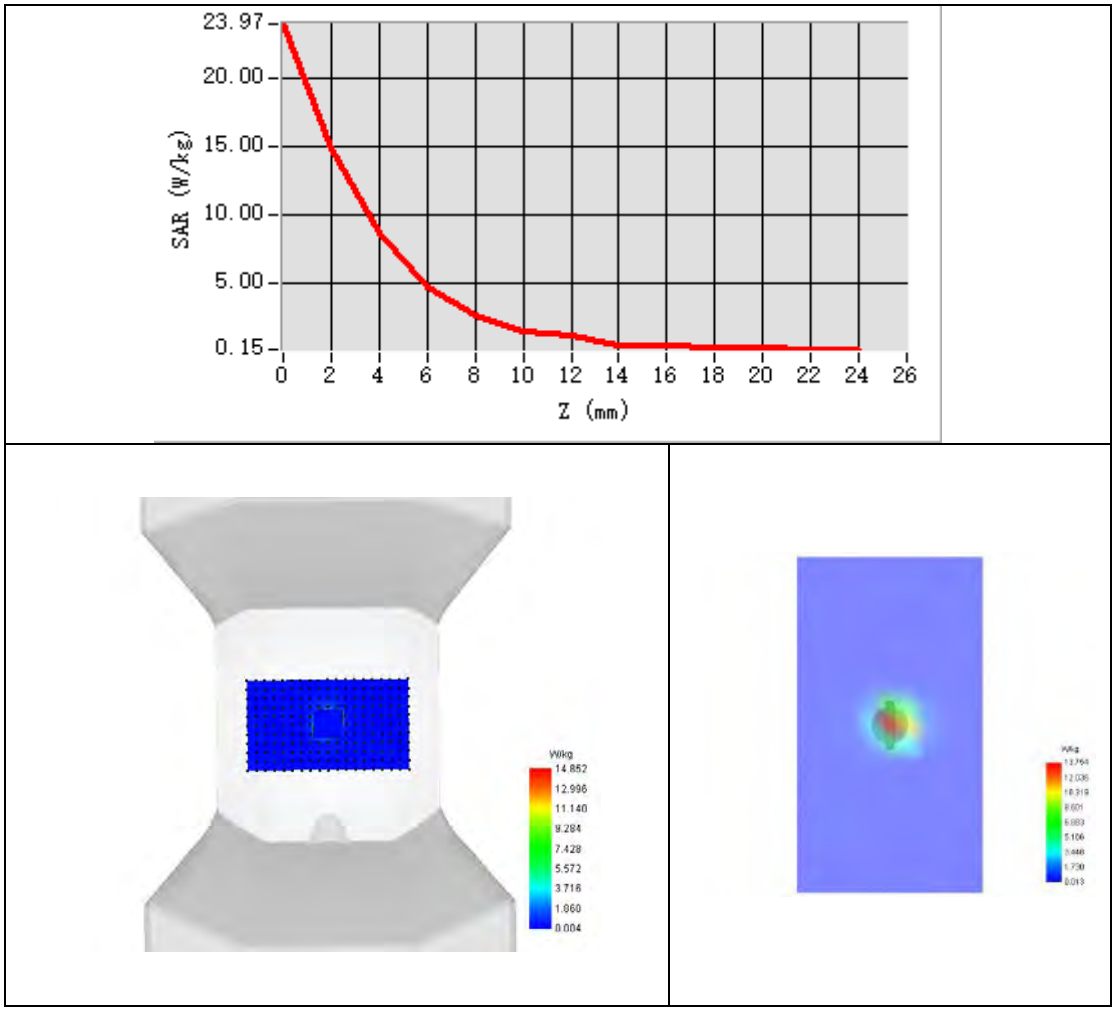
Phantom	Validation plane
Device Position	Dipole
Band	CW5600
Channels	Middle
Signal	CW
Frequency (MHz)	5600.000
Relative permittivity	36.53
Conductivity (S/m)	5.06
Probe	SN 04/22 EPGO364
ConvF	1.86
Crest factor:	1:1

SURFACE	VOLUME SAR
	

Maximum location: X=1.00, Y=0.00 ; SAR Peak: 25.39 W/kg

SAR 10g (W/Kg)	2.258
SAR 1g (W/Kg)	7.863

Z Axis Scan

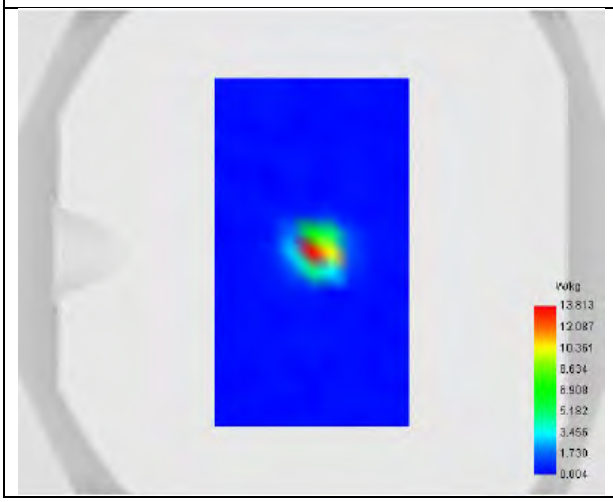
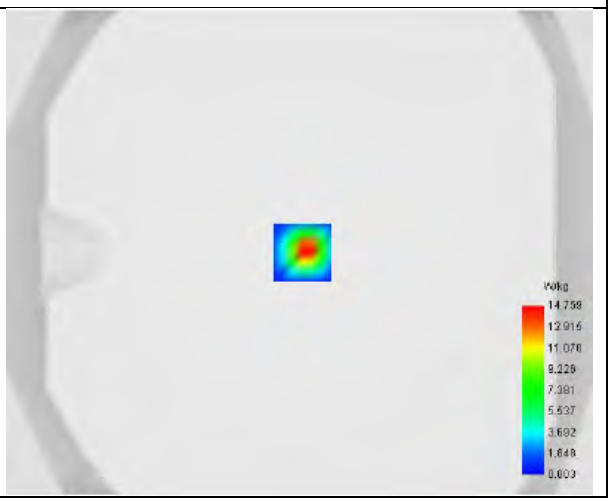

23.97
20.00
15.00
10.00
5.00
0.15
SAR (W/kg)
0
2
4
6
8
10
12
14
16
18
20
22
24
26
Z (mm)
W/kg
14.852
12.996
11.140
9.284
7.428
5.572
3.716
1.860
0.004

System Performance Check Data (5600MHz)

Type: Phone measurement (Complete)
Area scan resolution: dx=4mm, dy=4mm
Zoom scan resolution: dx=4mm, dy=4mm, dz=2mm
Date of measurement: 2024-08-19

Experimental conditions.

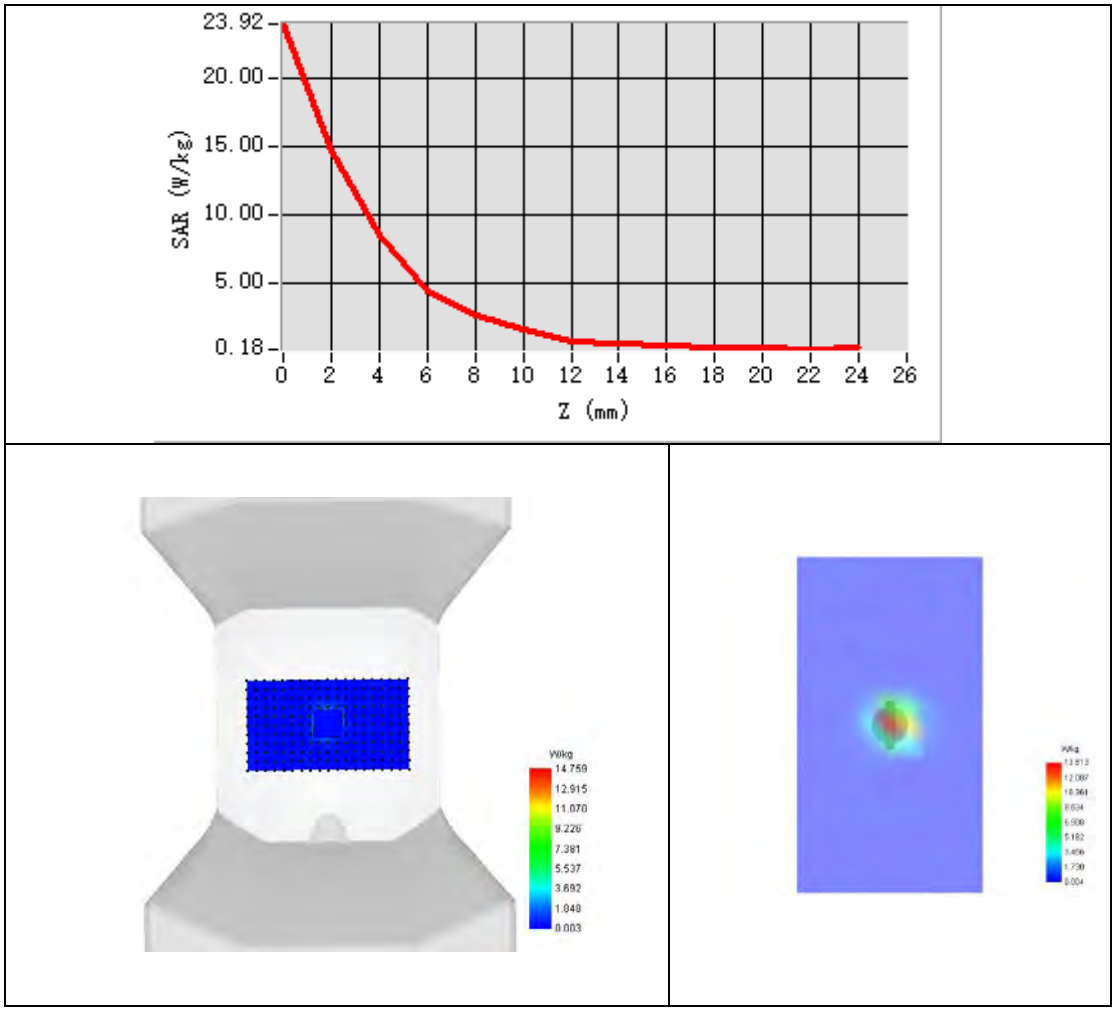
Phantom	Validation plane
Device Position	Dipole
Band	CW5600
Channels	Middle
Signal	CW
Frequency (MHz)	5600.000
Relative permittivity	36.27
Conductivity (S/m)	5.02
Probe	SN 04/22 EPGO364
ConvF	1.86
Crest factor:	1:1

SURFACE	VOLUME SAR
	

Maximum location: X=1.00, Y=0.00 ; SAR Peak: 25.80 W/kg

SAR 10g (W/Kg)	2.213
SAR 1g (W/Kg)	7.810

Z Axis Scan

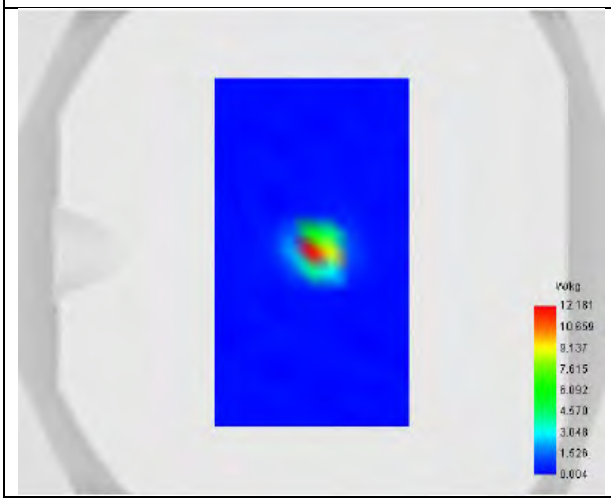
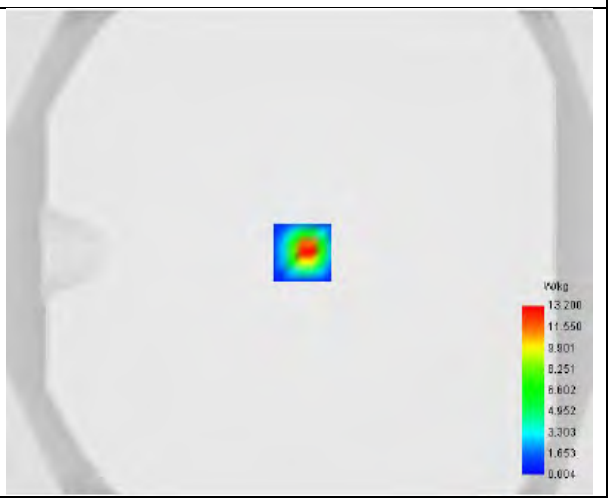

23.92
20.00
15.00
10.00
5.00
0.18
SAR (W/kg)
0
2
4
6
8
10
12
14
16
18
20
22
24
26
Z (mm)
W/kg
14.759
12.915
11.070
9.226
7.381
5.537
3.692
1.848
0.003

System Performance Check Data (5800MHz)

Type: Phone measurement (Complete)
Area scan resolution: dx=4mm, dy=4mm
Zoom scan resolution: dx=4mm, dy=4mm, dz=2mm
Date of measurement: 2024-08-19

Experimental conditions.

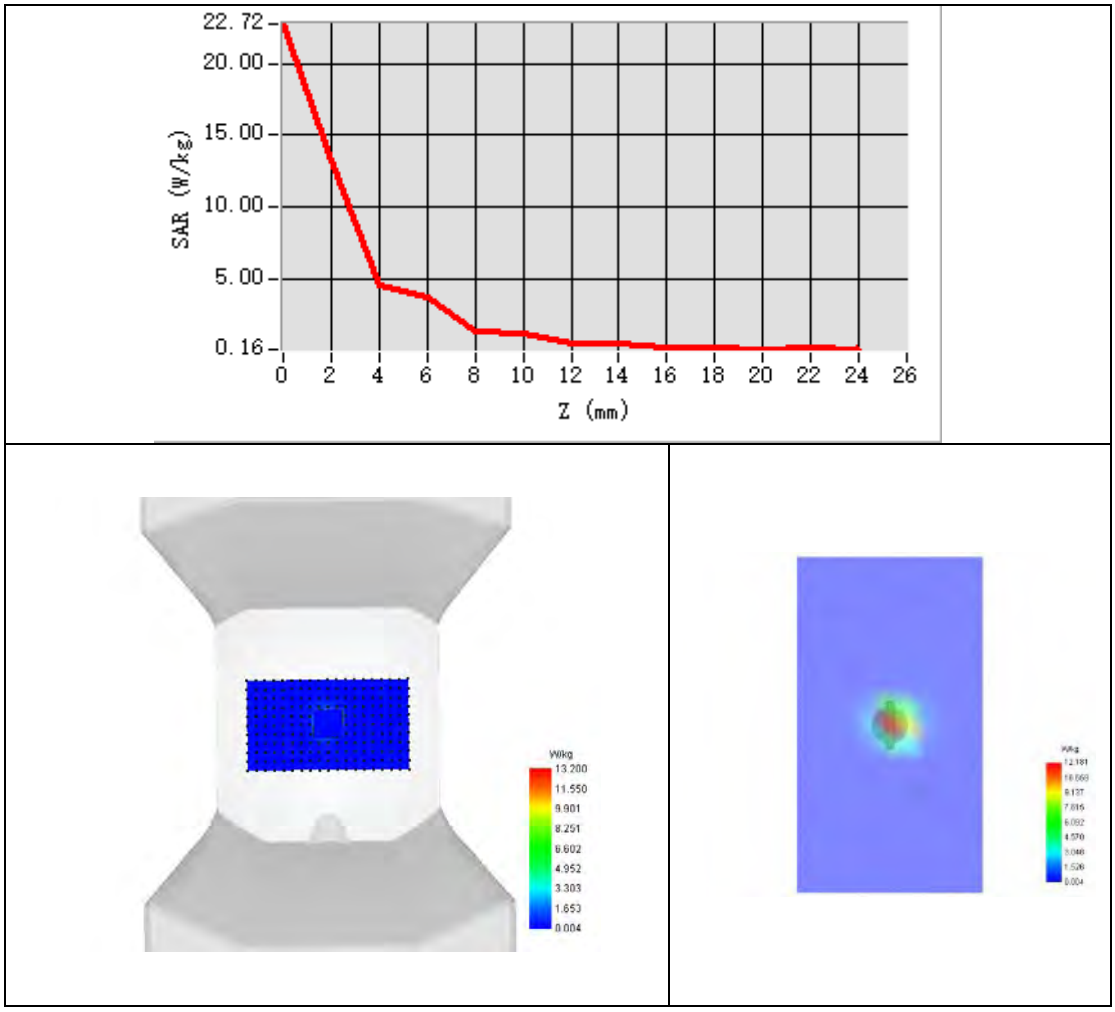
Phantom	Validation plane
Device Position	Dipole
Band	CW5800
Channels	Middle
Signal	CW
Frequency (MHz)	5800.000
Relative permittivity	35.70
Conductivity (S/m)	5.28
Probe	SN 04/22 EPGO364
ConvF	1.71
Crest factor:	1:1

SURFACE	VOLUME SAR
	

Maximum location: X=1.00, Y=0.00 ; SAR Peak: 23.21 W/kg

SAR 10g (W/Kg)	2.151
SAR 1g (W/Kg)	7.503

Z Axis Scan

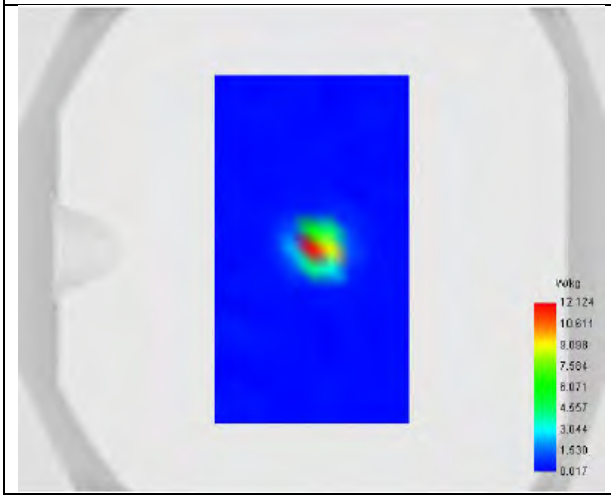
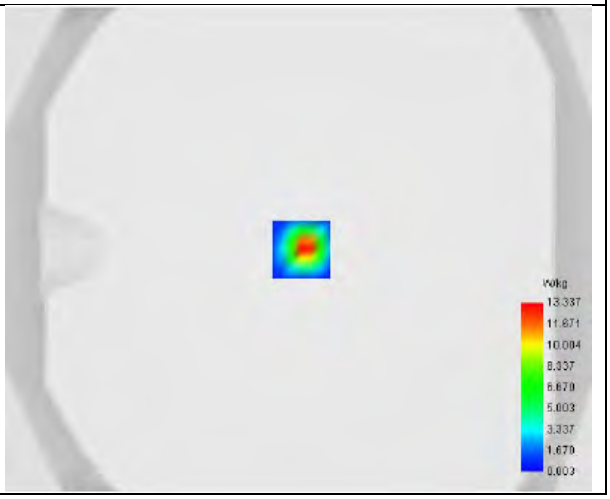

22.72
20.00
15.00
10.00
5.00
0.16
SAR (W/kg)
0 2 4 6 8 10 12 14 16 18 20 22 24 26
Z (mm)
W/kg
13.200
11.550
9.901
8.251
6.602
4.952
3.303
1.653
0.004

System Performance Check Data (5800MHz)

Type: Phone measurement (Complete)
Area scan resolution: dx=4mm, dy=4mm
Zoom scan resolution: dx=4mm, dy=4mm, dz=2mm
Date of measurement: 2024-08-17

Experimental conditions.

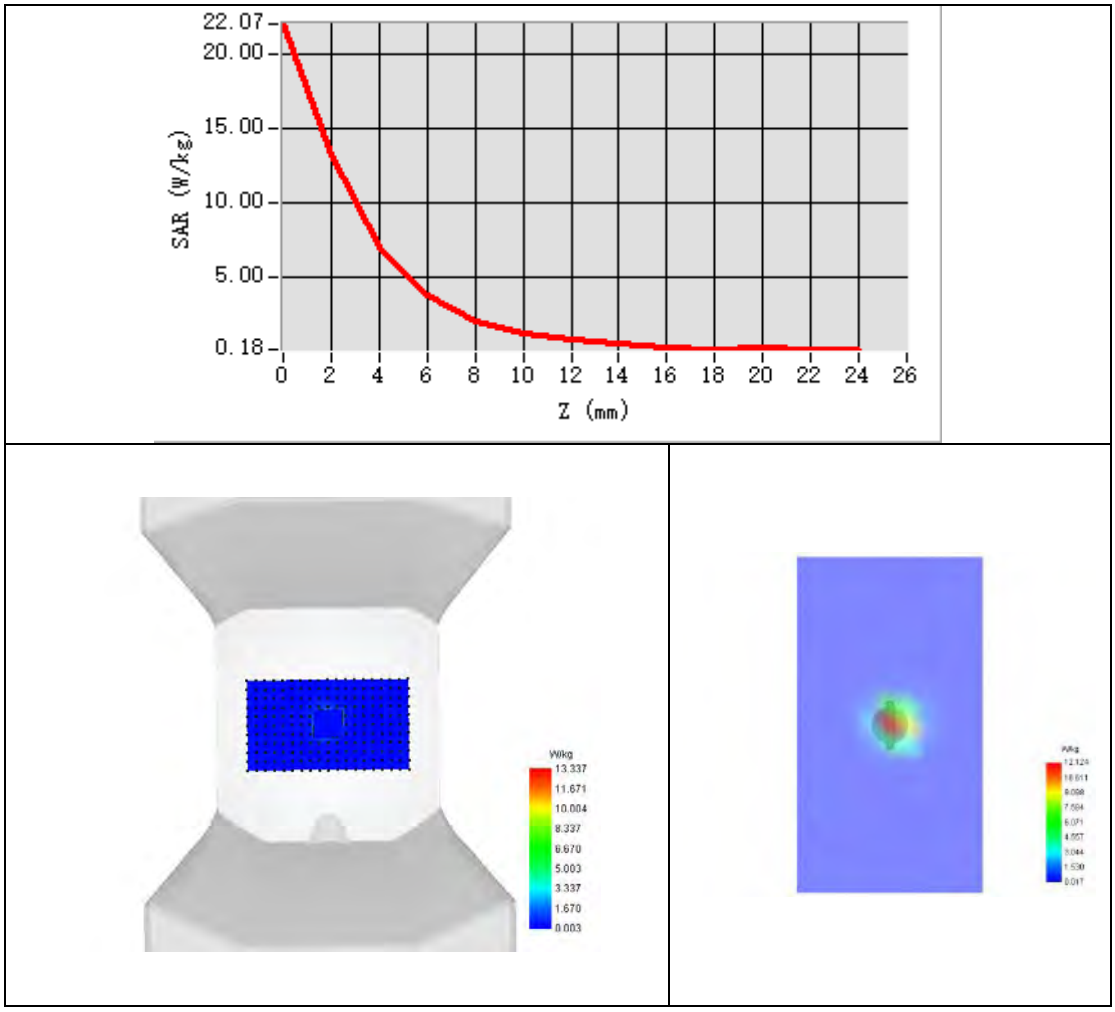
Phantom	Validation plane
Device Position	Dipole
Band	CW5800
Channels	Middle
Signal	CW
Frequency (MHz)	5800.000
Relative permittivity	35.63
Conductivity (S/m)	5.30
Probe	SN 04/22 EPGO364
ConvF	1.71
Crest factor:	1:1

SURFACE	VOLUME SAR
	

Maximum location: X=1.00, Y=0.00 ; SAR Peak: 24.41 W/kg

SAR 10g (W/Kg)	2.138
SAR 1g (W/Kg)	7.483

Z Axis Scan

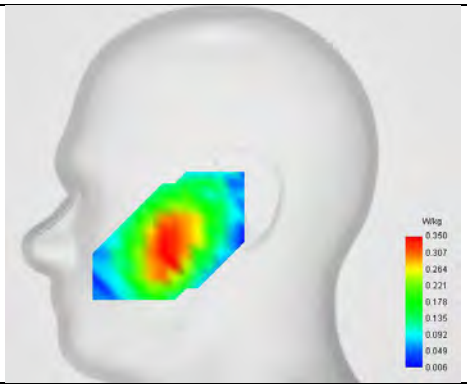
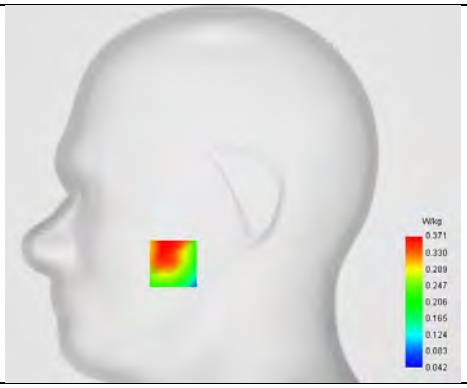
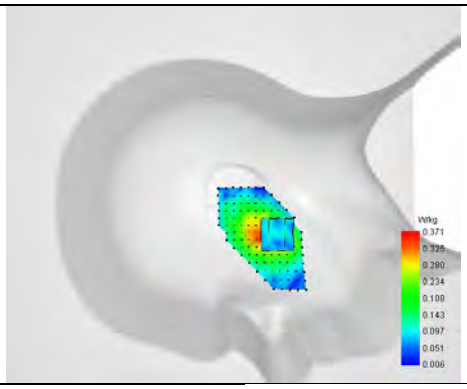
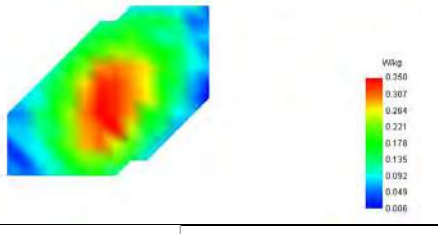
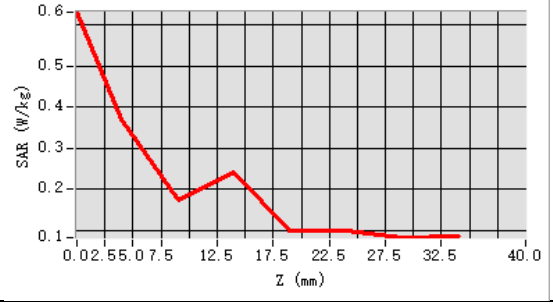

22.07
20.00
15.00
10.00
5.00
0.18
SAR (W/kg)
0
2
4
6
8
10
12
14
16
18
20
22
24
26
Z (mm)
W/kg
13.337
11.671
10.004
8.337
6.670
5.003
3.337
1.670
0.003

Appendix B. SAR Test Plots

Plot 1:

Test Date	2024-08-10
Area Scan	dx=8mm dy=8mm
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5mm
Phantom	Right head
Device Position	Cheek
Band	GSM850
Signal	TDMA (GSM)
Frequency	848.8
SAR 10g (W/Kg)	0.191
SAR 1g (W/Kg)	0.363
ConvF	1.70
Relative permittivity	41.67
Conductivity (S/m)	0.89

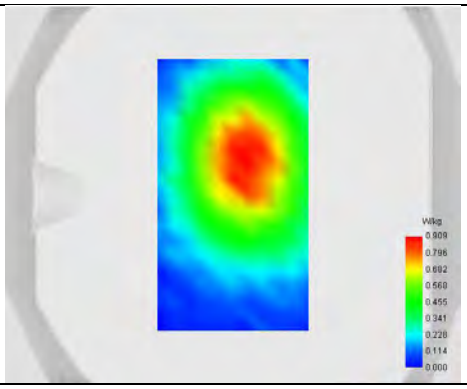
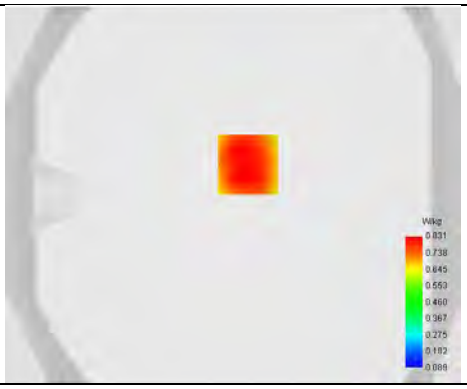
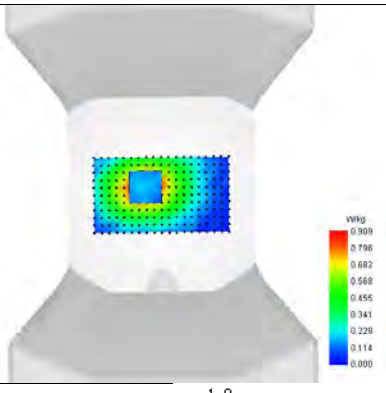
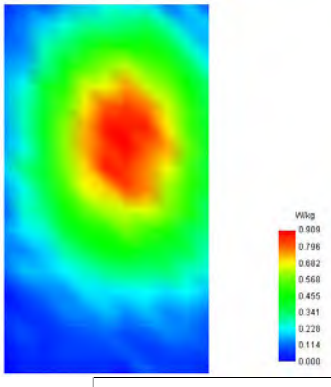
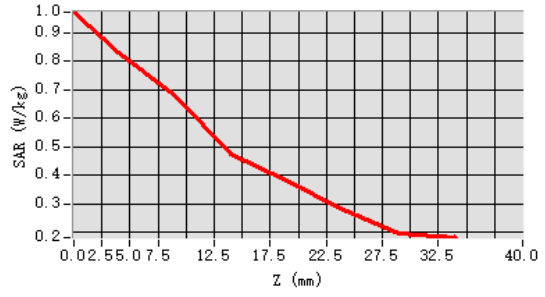
Maximum location: X=-41.00, Y=-47.00 ; SAR Peak: 0.54 W/kg

SURFACE SAR	VOLUME SAR
	
3D screen shot	**Hot spot position**
	
	

Plot 2:

Test Date	2024-08-10
Area Scan	dx=8mm dy=8mm
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5mm
Phantom	Validation plane
Device Position	Front Side
Band	GPRS850
Signal	TDMA (GPRS)
Frequency	848.8
SAR 10g (W/Kg)	0.576
SAR 1g (W/Kg)	0.831
ConvF	1.70
Relative permittivity	41.67
Conductivity (S/m)	0.89

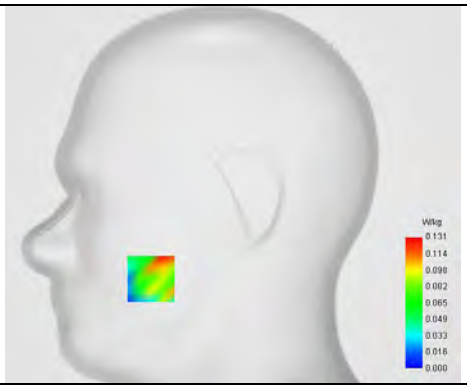
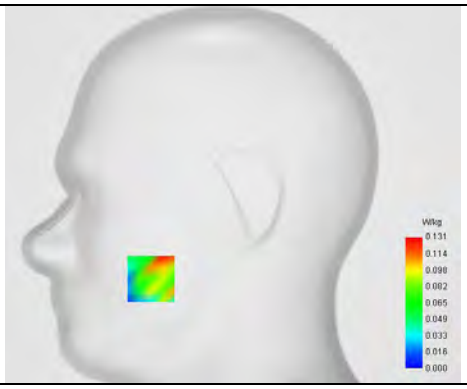
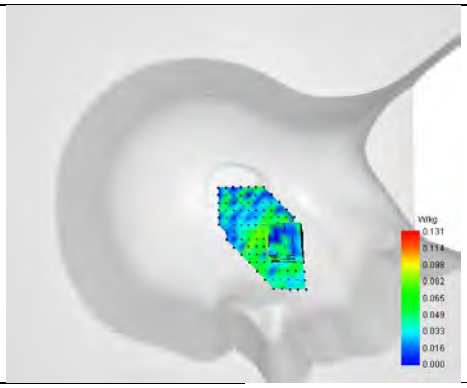
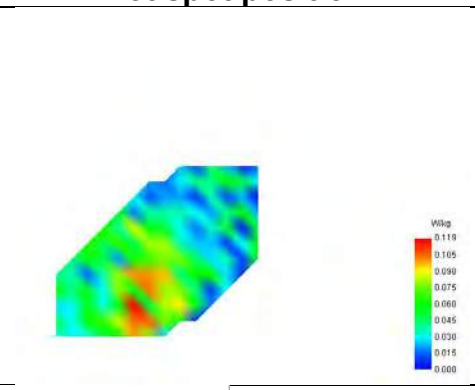
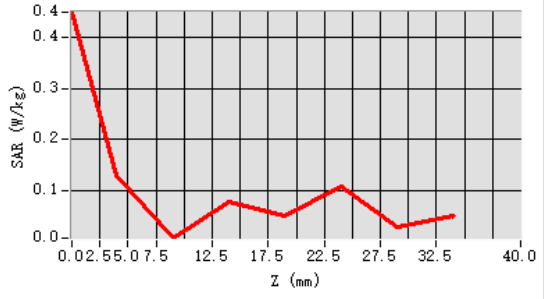
Maximum location: X=8.00, Y=16.00 ; SAR Peak: 1.15 W/kg

SURFACE SAR	VOLUME SAR
	
3D screen shot	**Hot spot position**
	
	

Plot 3:

Test Date	2024-07-18
Area Scan	dx=8mm dy=8mm
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5mm
Phantom	Right head
Device Position	Cheek
Band	GSM1900
Signal	TDMA (GSM)
Frequency	1909.8
SAR 10g (W/Kg)	0.054
SAR 1g (W/Kg)	0.123
ConvF	2.24
Relative permittivity	40.45
Conductivity (S/m)	1.43

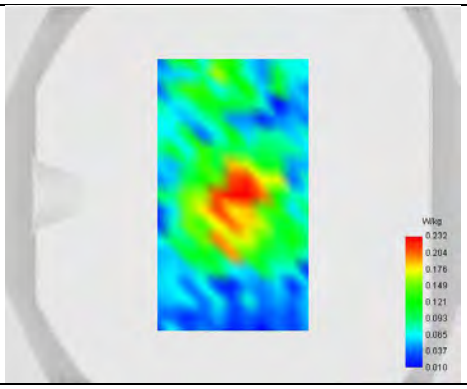
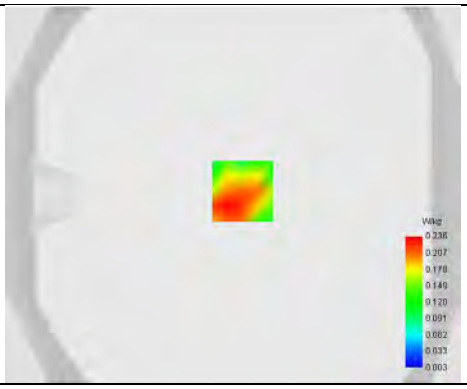
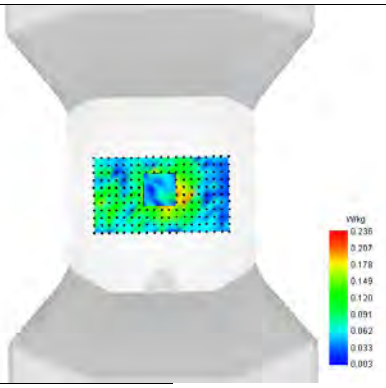
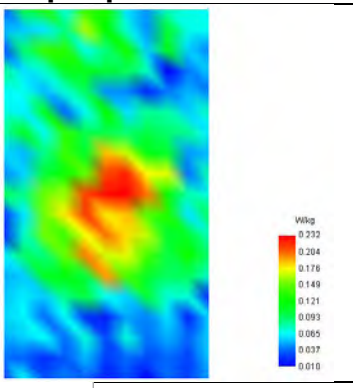
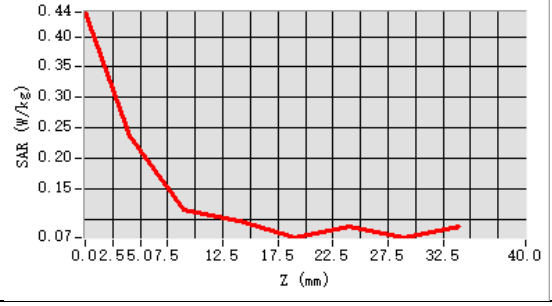
Maximum location: X=-56.00, Y=-57.00 ; SAR Peak: 0.25 W/kg

SURFACE SAR	VOLUME SAR
	
3D screen shot	**Hot spot position**
	
	

Plot 4:

Test Date	2024-07-18
Area Scan	dx=8mm dy=8mm
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5mm
Phantom	Validation plane
Device Position	Back Side
Band	GPRS1900
Signal	TDMA (GPRS)
Frequency	1909.8
SAR 10g (W/Kg)	0.127
SAR 1g (W/Kg)	0.246
ConvF	2.24
Relative permittivity	40.45
Conductivity (S/m)	1.43

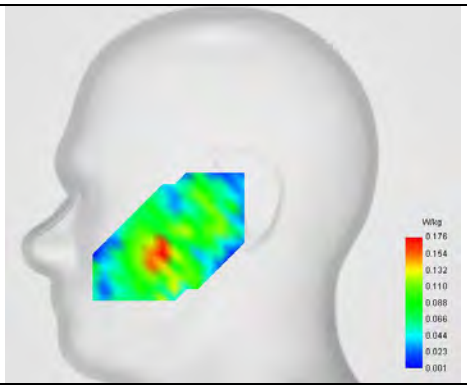
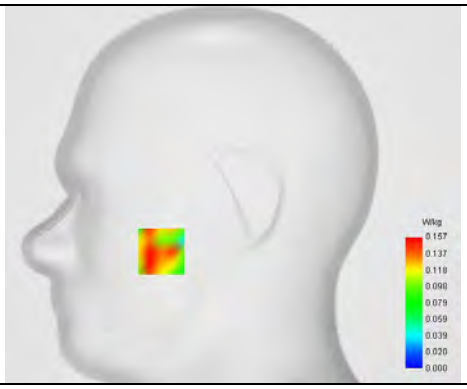
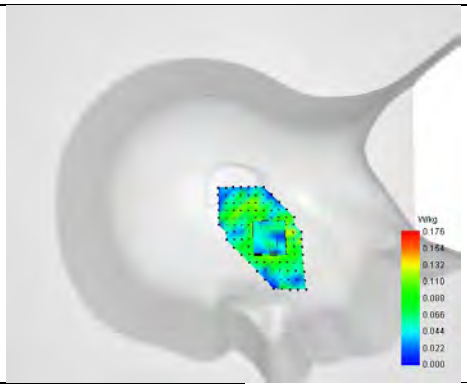
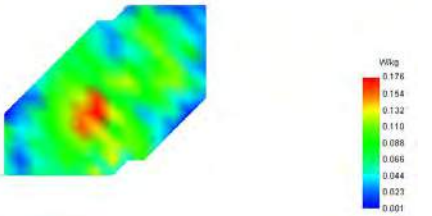
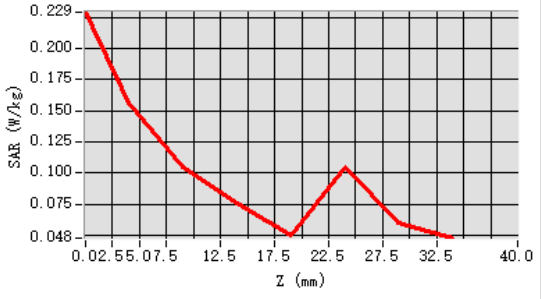
Maximum location: X=5.00, Y=2.00 ; SAR Peak: 0.43 W/kg

SURFACE SAR	VOLUME SAR
	
3D screen shot	**Hot spot position**
	
	

Plot 5:

Test Date	2024-07-18
Area Scan	dx=8mm dy=8mm
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5mm
Phantom	Right head
Device Position	Cheek
Band	Band 2 (1900)
Signal	WCDMA
Frequency	1907.6
SAR 10g (W/Kg)	0.090
SAR 1g (W/Kg)	0.155
ConvF	2.24
Relative permittivity	40.45
Conductivity (S/m)	1.43

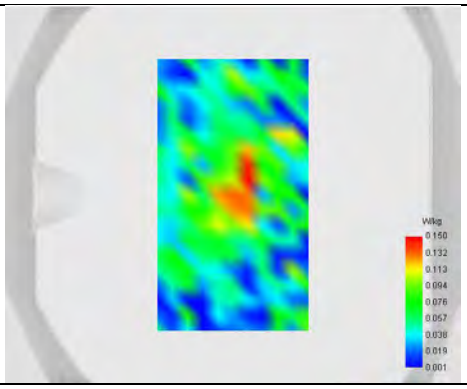
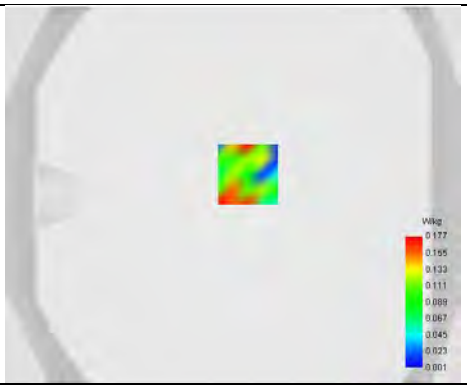
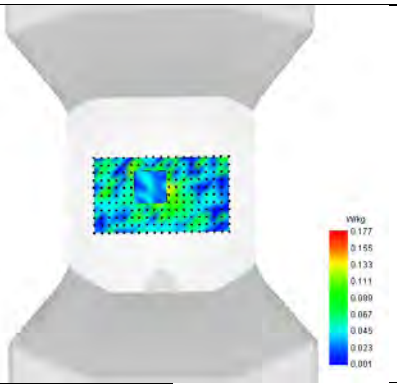
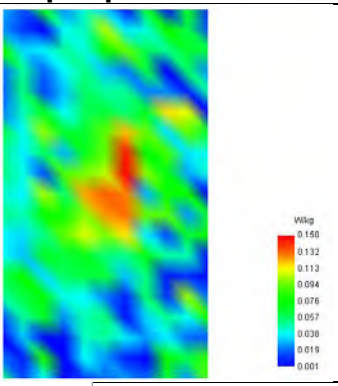
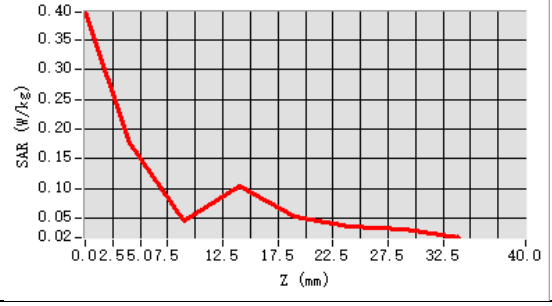
Maximum location: X=-49.00, Y=-38.00 ; SAR Peak: 0.29 W/kg

SURFACE SAR	VOLUME SAR
	
3D screen shot	**Hot spot position**
	
	

Plot 6:

Test Date	2024-07-18
Area Scan	dx=8mm dy=8mm
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5mm
Phantom	Validation plane
Device Position	Bottom Side
Band	Band 2 (1900)
Signal	WCDMA
Frequency	1907.6
SAR 10g (W/Kg)	0.073
SAR 1g (W/Kg)	0.178
ConvF	2.24
Relative permittivity	40.45
Conductivity (S/m)	1.43

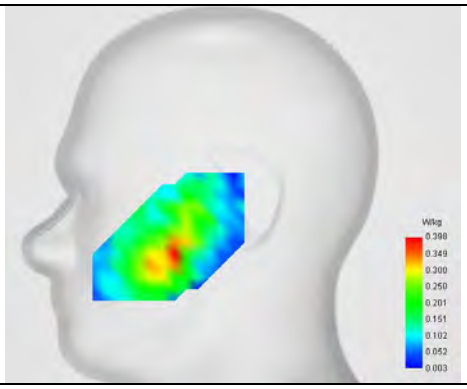
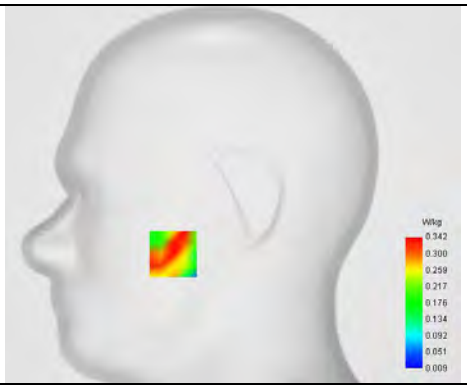
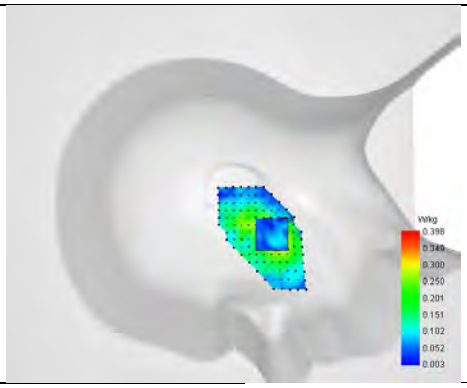
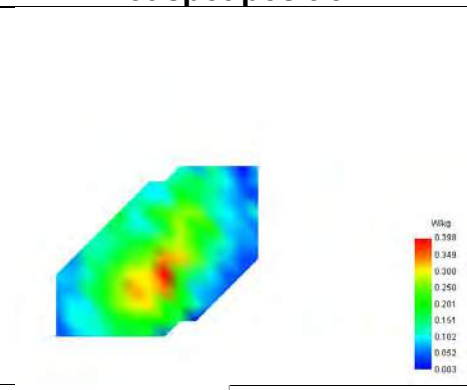
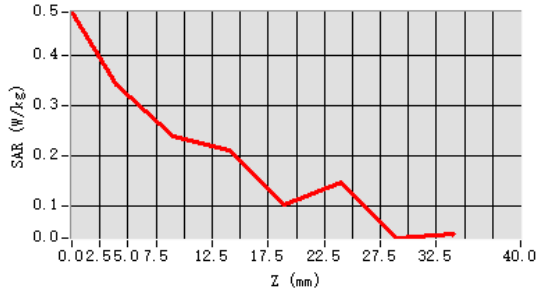
Maximum location: X=8.00, Y=11.00 ; SAR Peak: 0.46 W/kg

SURFACE SAR	VOLUME SAR
	
3D screen shot	**Hot spot position**
	
	

Plot 7:

Test Date	2024-08-12
Area Scan	dx=8mm dy=8mm
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5mm
Phantom	Right head
Device Position	Cheek
Band	Band 4 (1700)
Signal	WCDMA
Frequency	1752.4
SAR 10g (W/Kg)	0.063
SAR 1g (W/Kg)	0.100
ConvF	1.91
Relative permittivity	41.13
Conductivity (S/m)	1.36

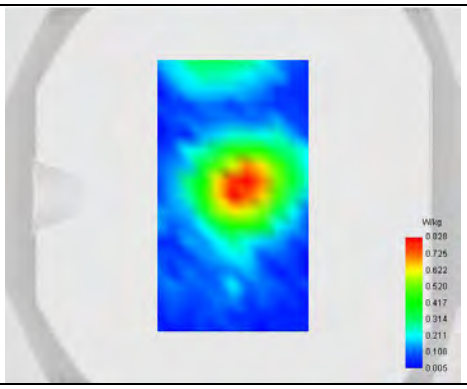
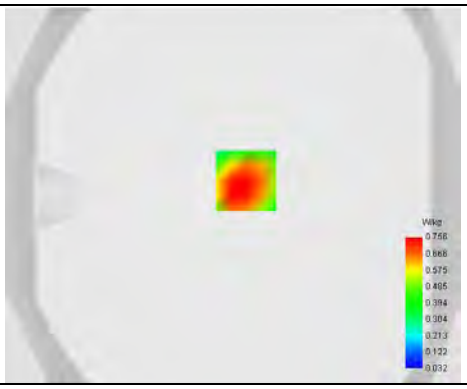
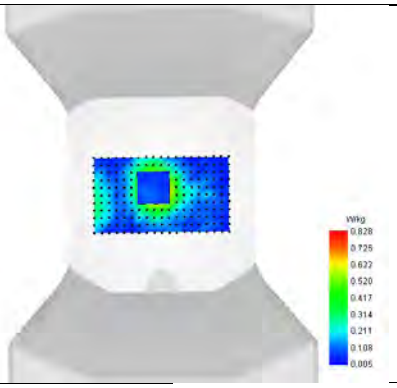
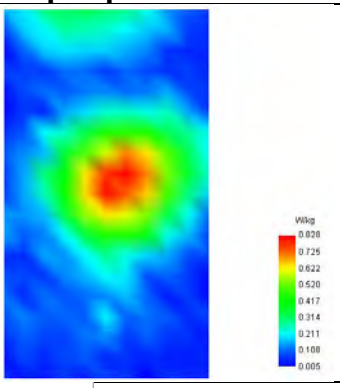
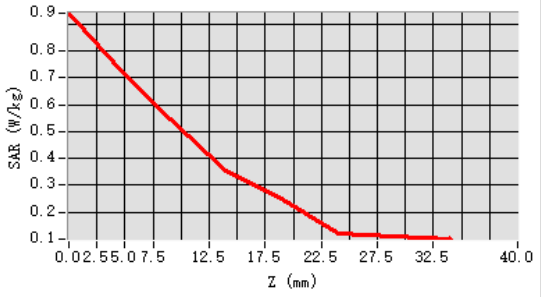
Maximum location: X=-41.00, Y=-40.00 ; SAR Peak: 0.56 W/kg

SURFACE SAR	VOLUME SAR
	
3D screen shot	**Hot spot position**
	
	

Plot 8:

Test Date	2024-08-12
Area Scan	dx=8mm dy=8mm
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5mm
Phantom	Validation plane
Device Position	Back Side
Band	Band 4 (1700)
Signal	WCDMA
Frequency	1752.4
SAR 10g (W/Kg)	0.462
SAR 1g (W/Kg)	0.743
ConvF	1.91
Relative permittivity	41.13
Conductivity (S/m)	1.36

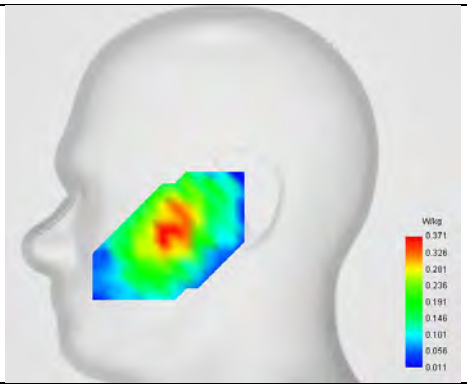
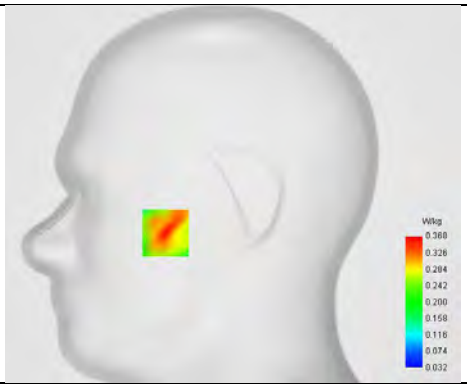
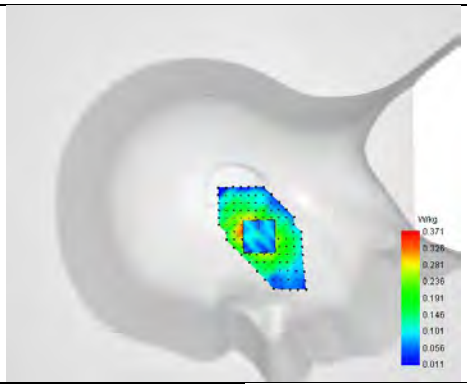
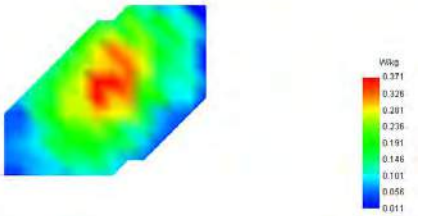
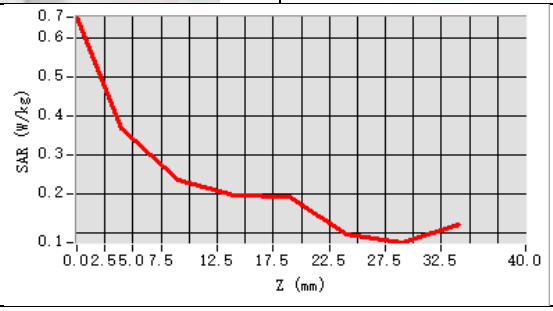
Maximum location: X=7.00, Y=8.00 ; SAR Peak: 1.09 W/kg

SURFACE SAR	VOLUME SAR
	
3D screen shot	**Hot spot position**
	
	

Plot 9:

Test Date	2024-07-15
Area Scan	dx=8mm dy=8mm
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5mm
Phantom	Right head
Device Position	Cheek
Band	Band 5 (850)
Signal	WCDMA
Frequency	826.4
SAR 10g (W/Kg)	0.237
SAR 1g (W/Kg)	0.370
ConvF	1.70
Relative permittivity	40.94
Conductivity (S/m)	0.89

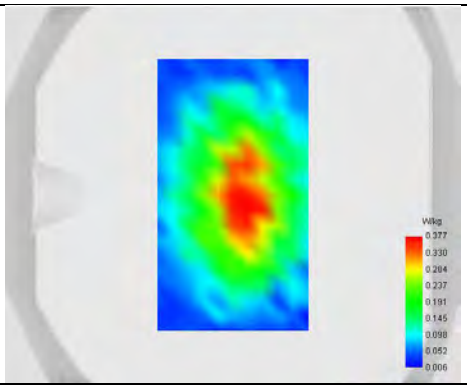
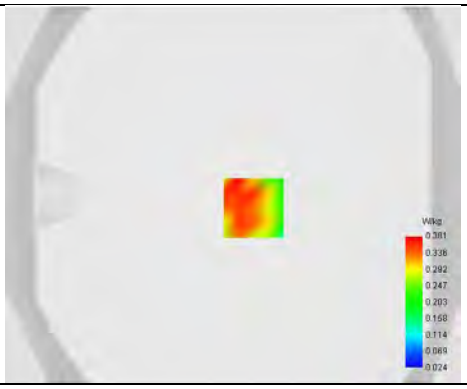
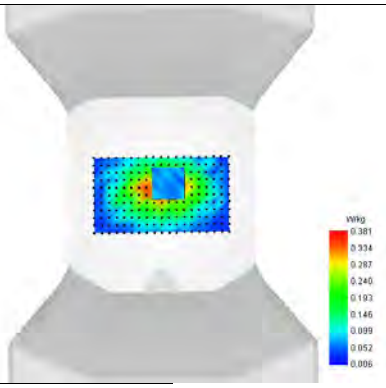
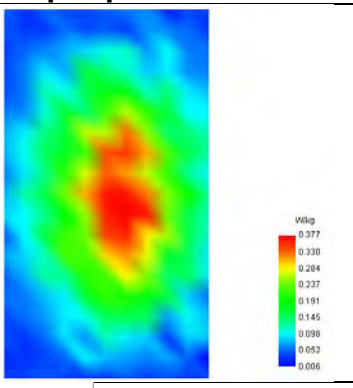
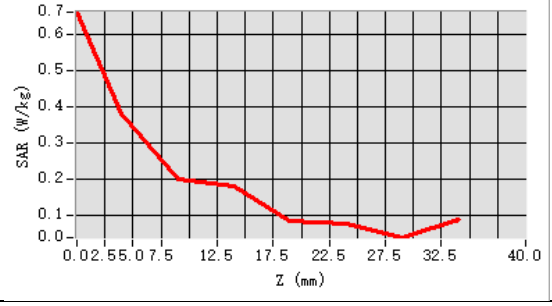
Maximum location: X=-46.00, Y=-26.00 ; SAR Peak: 0.63 W/kg

SURFACE SAR	VOLUME SAR
	
3D screen shot	**Hot spot position**
	
	

Plot 10:

Test Date	2024-07-15
Area Scan	dx=8mm dy=8mm
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5mm
Phantom	Validation plane
Device Position	Right Side
Band	Band 5 (850)
Signal	WCDMA
Frequency	826.4
SAR 10g (W/Kg)	0.215
SAR 1g (W/Kg)	0.351
ConvF	1.70
Relative permittivity	40.94
Conductivity (S/m)	0.89

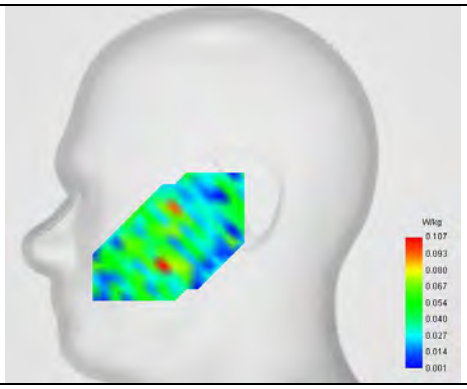
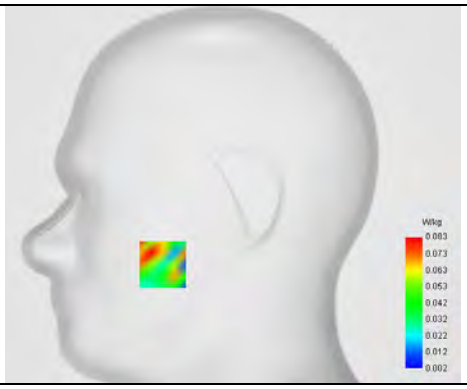
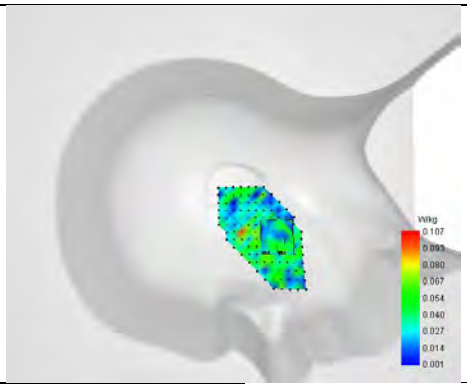
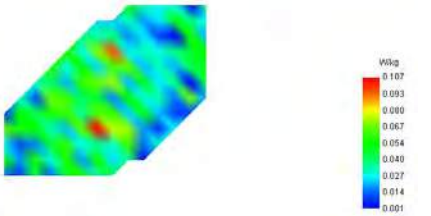
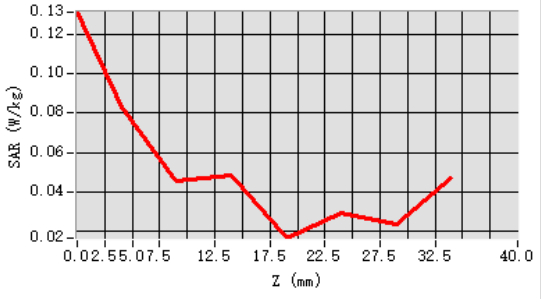
Maximum location: X=11.00, Y=-7.00 ; SAR Peak: 0.54 W/kg

SURFACE SAR	VOLUME SAR
	
3D screen shot	**Hot spot position**
	
	

Plot 11:

Test Date	2024-08-10
Area Scan	dx=8mm dy=8mm
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5mm
Phantom	Right head
Device Position	Cheek
Band	BC0 (US Cellular)
Signal	CDMA (CDMA2000)
Frequency	836.52
SAR 10g (W/Kg)	0.039
SAR 1g (W/Kg)	0.080
ConvF	1.70
Relative permittivity	41.67
Conductivity (S/m)	0.89

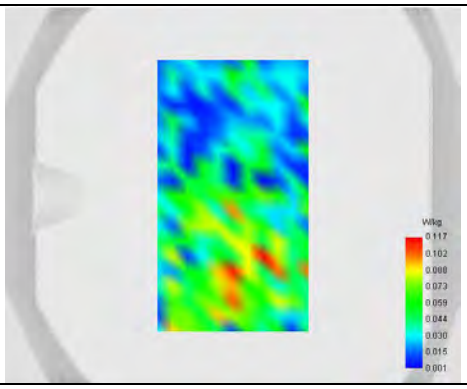
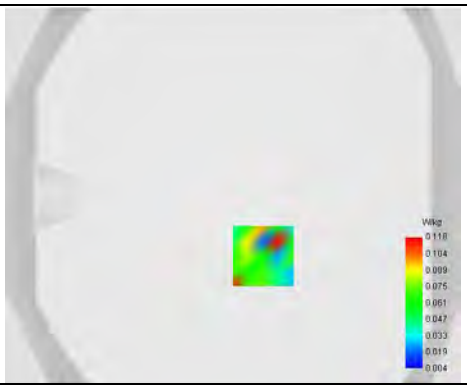
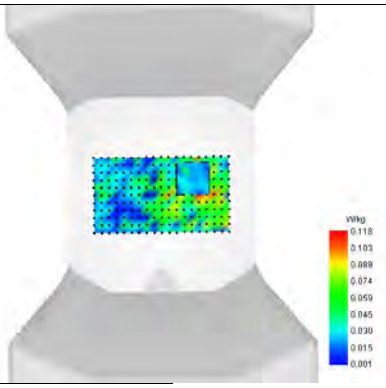
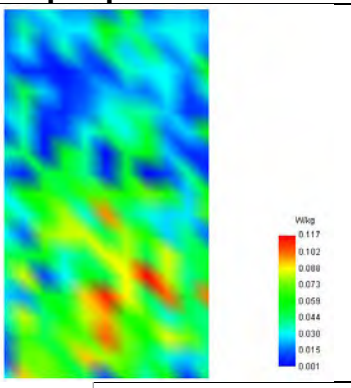
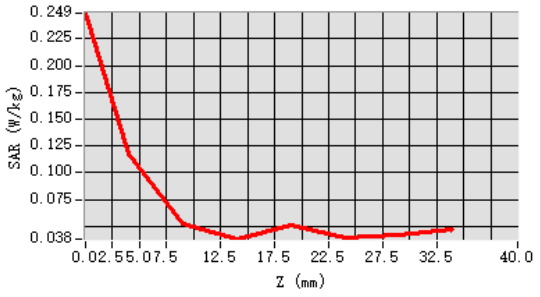
Maximum location: X=-48.00, Y=-47.00 ; SAR Peak: 0.19 W/kg

SURFACE SAR	VOLUME SAR
	
3D screen shot	**Hot spot position**
	
	

Plot 12:

Test Date	2024-08-10
Area Scan	dx=8mm dy=8mm
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5mm
Phantom	Validation plane
Device Position	Back Side
Band	BC0 (US Cellular)
Signal	CDMA (CDMA2000)
Frequency	836.52
SAR 10g (W/Kg)	0.045
SAR 1g (W/Kg)	0.096
ConvF	1.70
Relative permittivity	41.67
Conductivity (S/m)	0.89

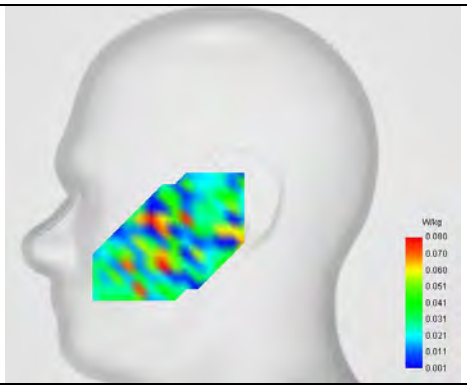
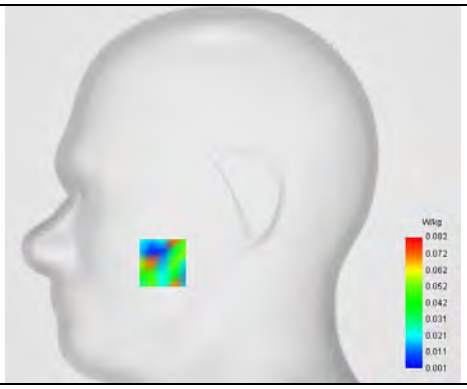
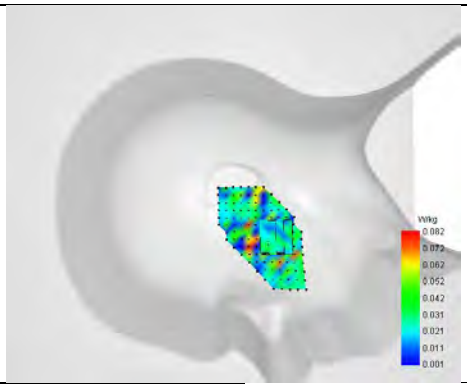
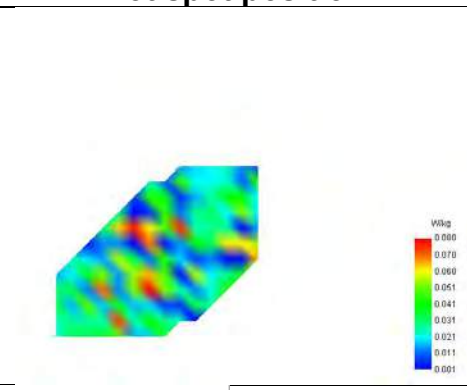
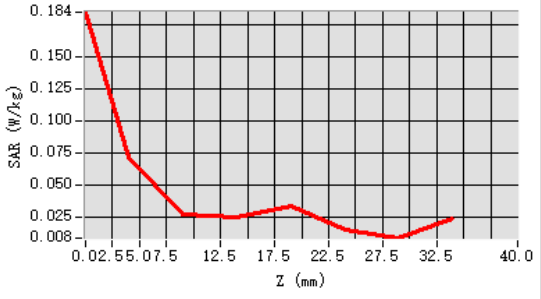
Maximum location: X=16.00, Y=-32.00 ; SAR Peak: 0.27 W/kg

SURFACE SAR	VOLUME SAR
	
3D screen shot	**Hot spot position**
	
	

Plot 13:

Test Date	2024-07-18
Area Scan	dx=8mm dy=8mm
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5mm
Phantom	Right head
Device Position	Cheek
Band	BC1 (North American PCS)
Signal	CDMA (CDMA2000)
Frequency	1908.75
SAR 10g (W/Kg)	0.024
SAR 1g (W/Kg)	0.075
ConvF	2.24
Relative permittivity	40.45
Conductivity (S/m)	1.43

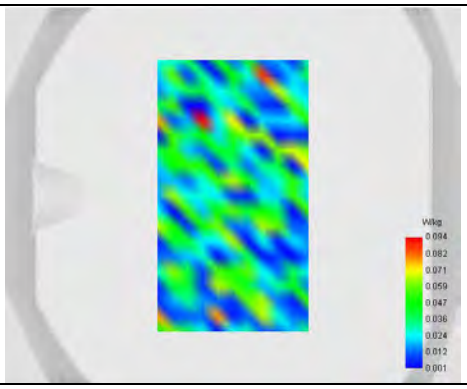
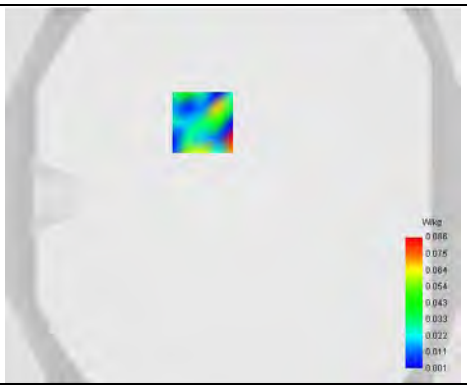
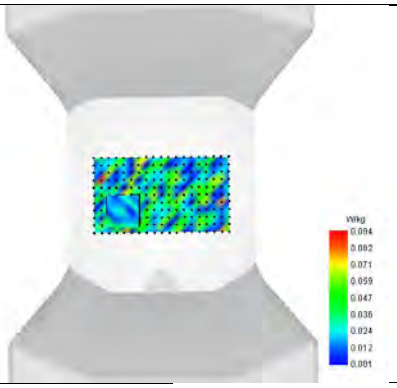
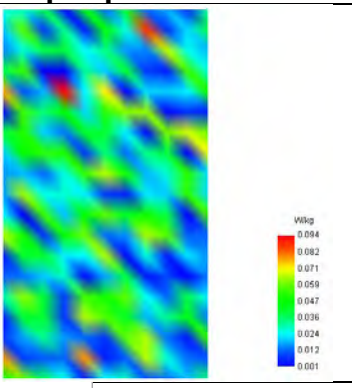
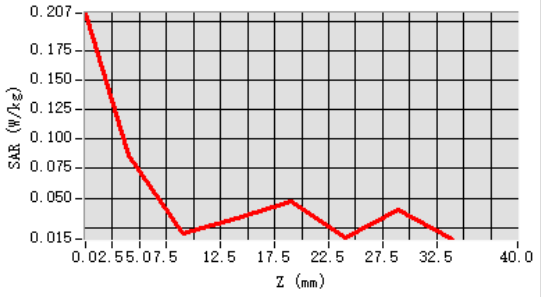
Maximum location: X=-48.00, Y=-46.00 ; SAR Peak: 0.24 W/kg

SURFACE SAR	VOLUME SAR
	
3D screen shot	**Hot spot position**
	
	

Plot 14:

Test Date	2024-07-18
Area Scan	dx=8mm dy=8mm
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5mm
Phantom	Validation plane
Device Position	Bottom Side
Band	BC1 (North American PCS)
Signal	CDMA (CDMA2000)
Frequency	1908.75
SAR 10g (W/Kg)	0.026
SAR 1g (W/Kg)	0.071
ConvF	2.24
Relative permittivity	40.45
Conductivity (S/m)	1.43

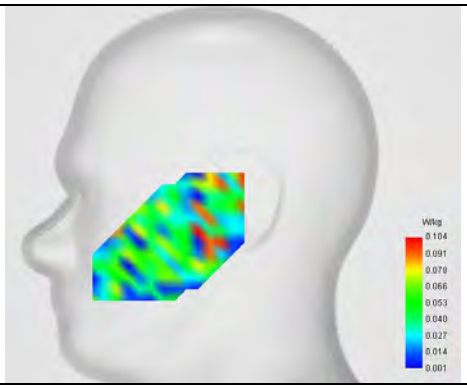
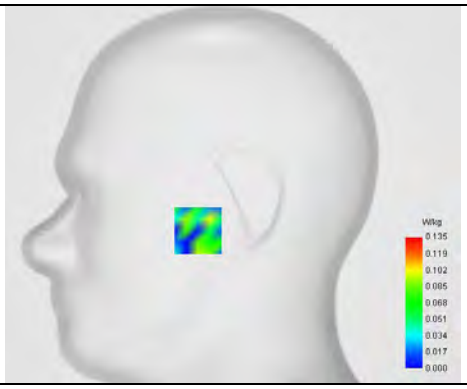
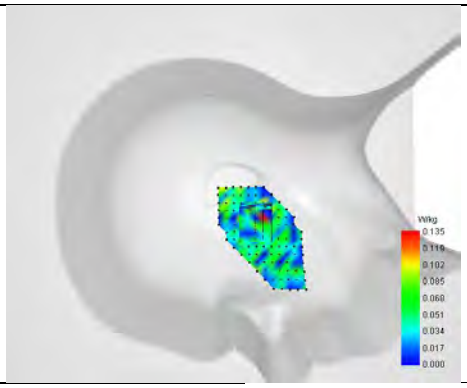
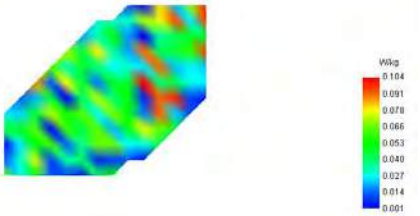
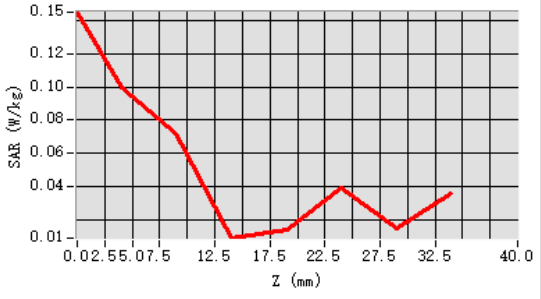
Maximum location: X=-16.00, Y=39.00 ; SAR Peak: 0.20 W/kg

SURFACE SAR	VOLUME SAR
	
3D screen shot	**Hot spot position**
	
	

Plot 15:

Test Date	2024-08-11
Area Scan	dx=8mm dy=8mm
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5mm
Phantom	Right head
Device Position	Cheek
Band	ISM ANT 1
Signal	IEEE 802.11b
Frequency	2462
SAR 10g (W/Kg)	0.043
SAR 1g (W/Kg)	0.090
ConvF	2.30
Relative permittivity	40.25
Conductivity (S/m)	1.84

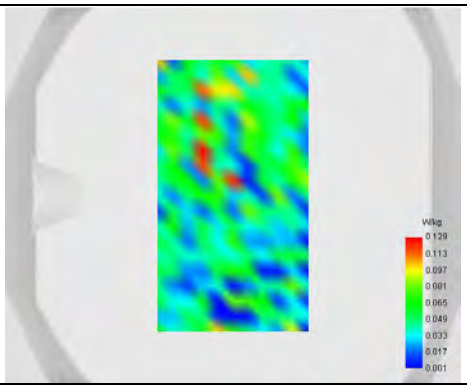
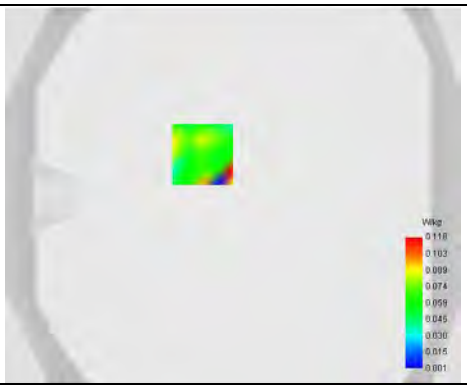
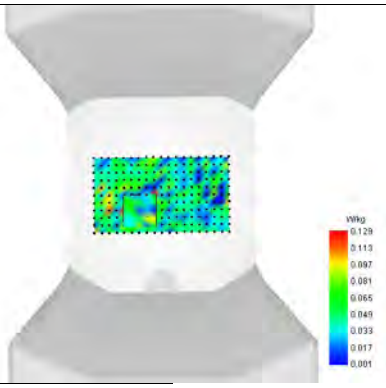
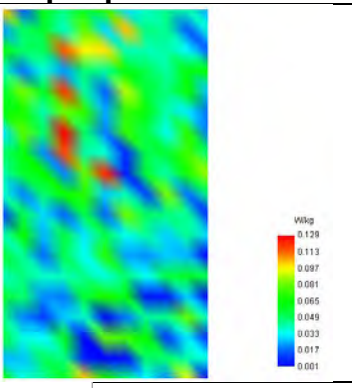
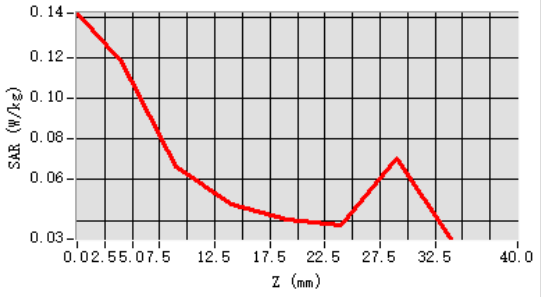
Maximum location: X=-24.00, Y=-24.00 ; SAR Peak: 0.25 W/kg

SURFACE SAR	VOLUME SAR
	
3D screen shot	**Hot spot position**
	
	

Plot 16:

Test Date	2024-08-11
Area Scan	dx=8mm dy=8mm
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5mm
Phantom	Validation plane
Device Position	Back Side
Band	ISM ANT 1
Signal	IEEE 802.11b
Frequency	2462
SAR 10g (W/Kg)	0.042
SAR 1g (W/Kg)	0.100
ConvF	2.30
Relative permittivity	40.25
Conductivity (S/m)	1.84

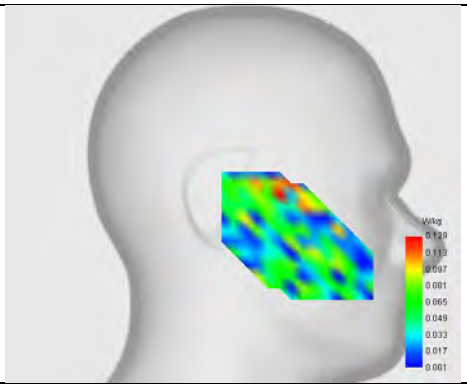
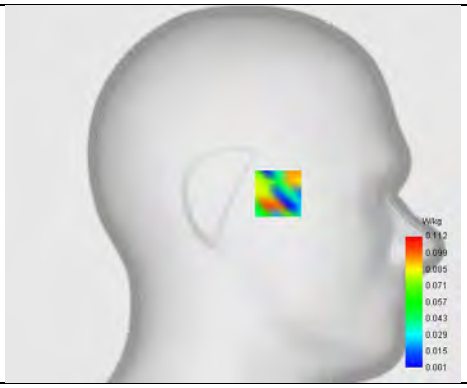
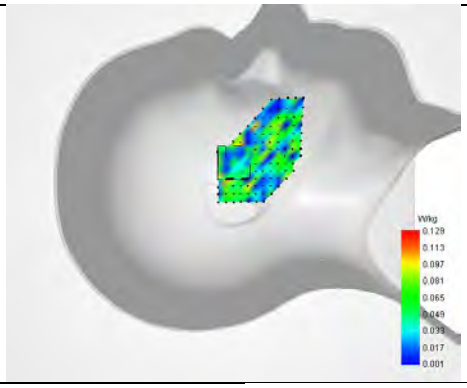
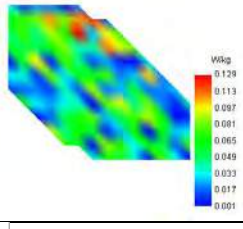
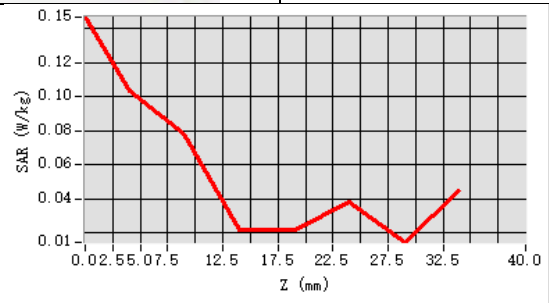
Maximum location: X=-16.00, Y=22.00 ; SAR Peak: 0.29 W/kg

SURFACE SAR	VOLUME SAR
	
3D screen shot	**Hot spot position**
	
	

Plot 17:

Test Date	2024-08-11
Area Scan	dx=8mm dy=8mm
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5mm
Phantom	Left head
Device Position	Tilt
Band	ISM ANT 2
Signal	IEEE 802.11b
Frequency	2412
SAR 10g (W/Kg)	0.052
SAR 1g (W/Kg)	0.098
ConvF	2.30
Relative permittivity	40.25
Conductivity (S/m)	1.84

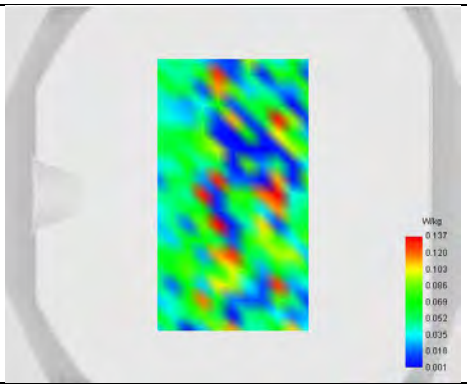
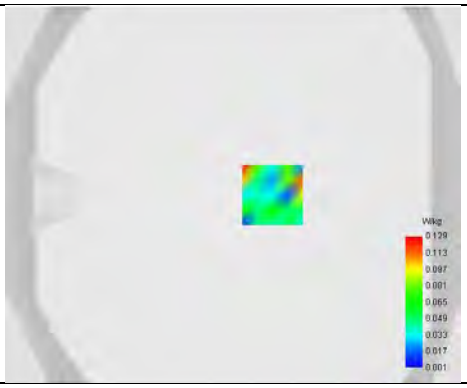
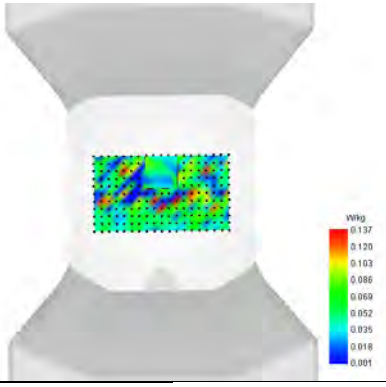
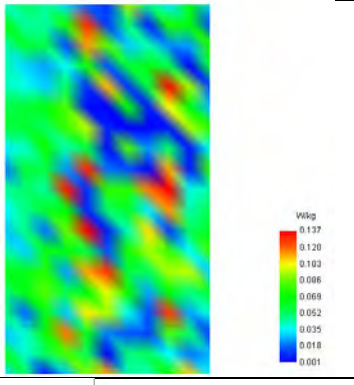
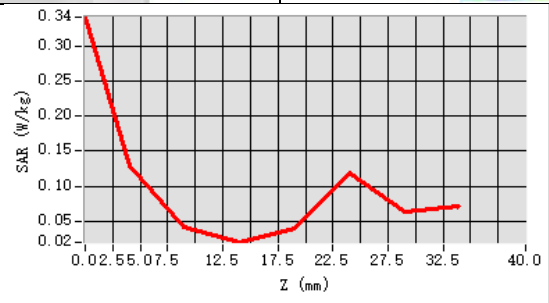
Maximum location: X=-31.00, Y=1.00 ; SAR Peak: 0.28 W/kg

SURFACE SAR	VOLUME SAR
	
3D screen shot	**Hot spot position**
	
	

Plot 18:

Test Date	2024-08-11
Area Scan	dx=8mm dy=8mm
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5mm
Phantom	Validation plane
Device Position	Back Side
Band	ISM ANT 2
Signal	IEEE 802.11b
Frequency	2412
SAR 10g (W/Kg)	0.039
SAR 1g (W/Kg)	0.085
ConvF	2.30
Relative permittivity	40.25
Conductivity (S/m)	1.84

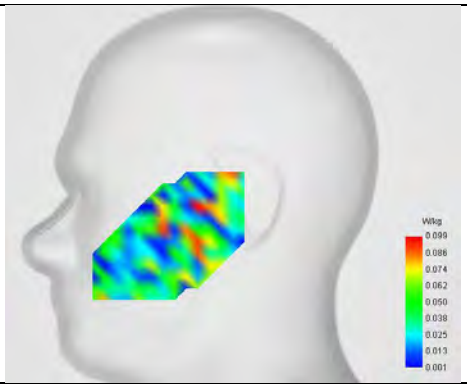
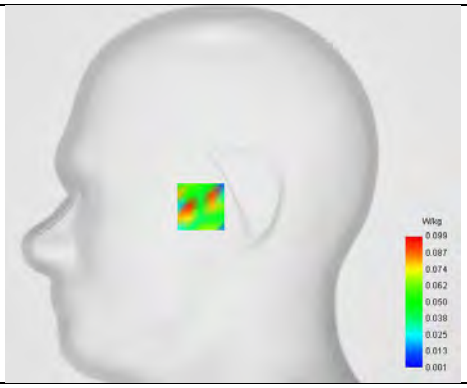
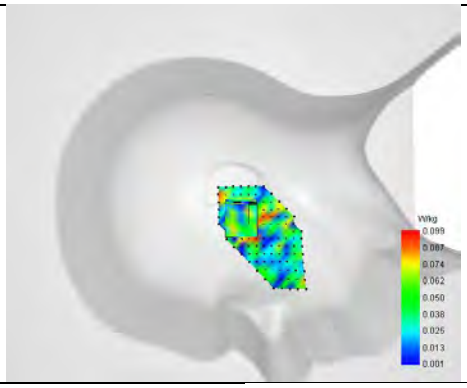
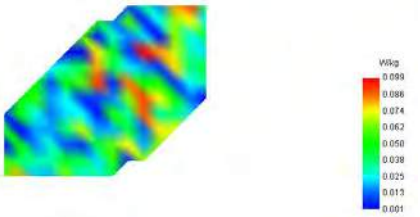
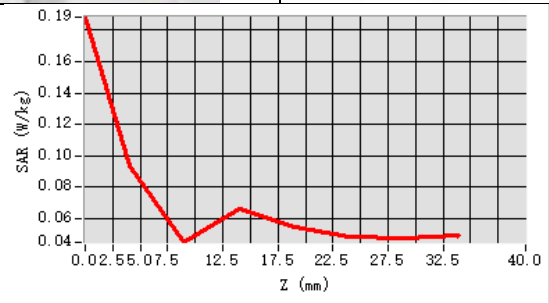
Maximum location: X=21.00, Y=0.00 ; SAR Peak: 0.32 W/kg

SURFACE SAR	VOLUME SAR
	
3D screen shot	**Hot spot position**
	
	

Plot 19:

Test Date	2024-08-11
Area Scan	dx=8mm dy=8mm
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5mm
Phantom	Right head
Device Position	Tilt
Band	ISM MIMO 1
Signal	IEEE 802.11n
Frequency	2437
SAR 10g (W/Kg)	0.037
SAR 1g (W/Kg)	0.099
ConvF	2.30
Relative permittivity	40.25
Conductivity (S/m)	1.84

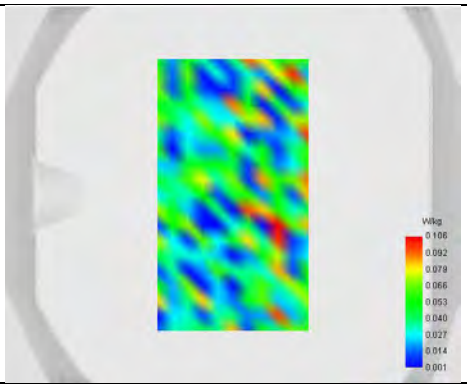
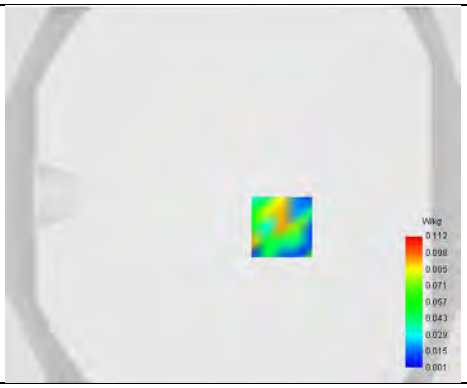
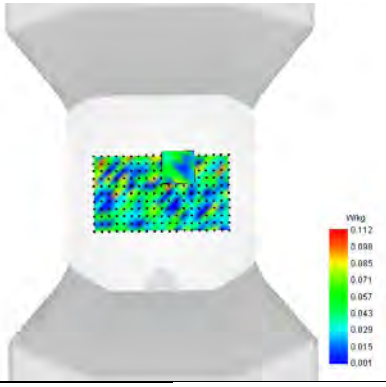
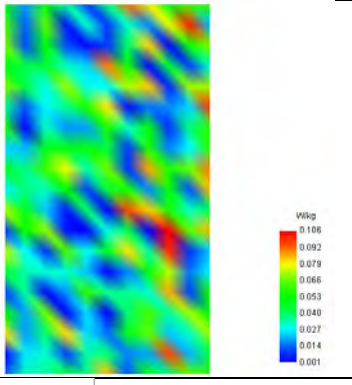
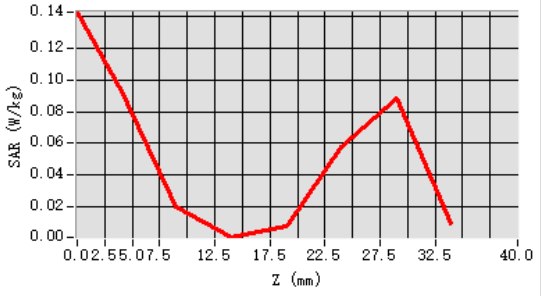
Maximum location: X=-22.00, Y=-8.00 ; SAR Peak: 0.30 W/kg

SURFACE SAR	VOLUME SAR
	
3D screen shot	**Hot spot position**
	
	

Plot 20:

Test Date	2024-08-11
Area Scan	dx=8mm dy=8mm
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5mm
Phantom	Validation plane
Device Position	Top Side
Band	ISM MIMO 1
Signal	IEEE 802.11n
Frequency	2437
SAR 10g (W/Kg)	0.037
SAR 1g (W/Kg)	0.075
ConvF	2.30
Relative permittivity	40.25
Conductivity (S/m)	1.84

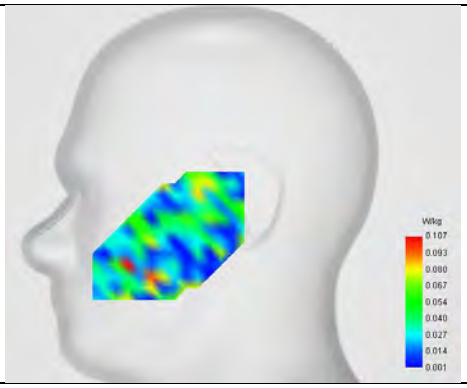
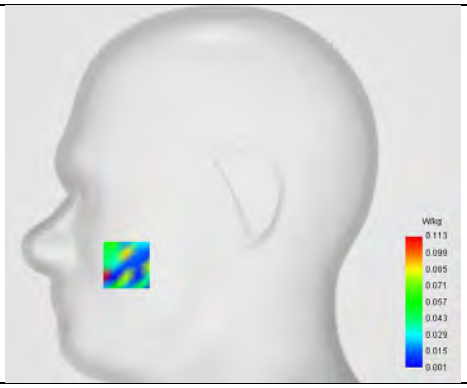
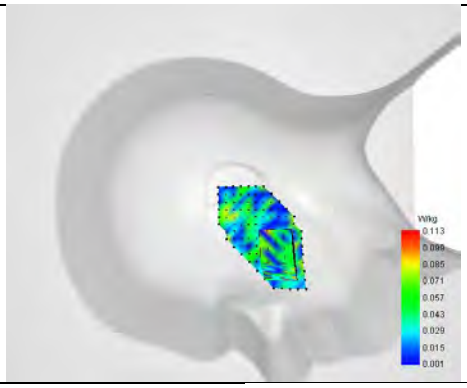
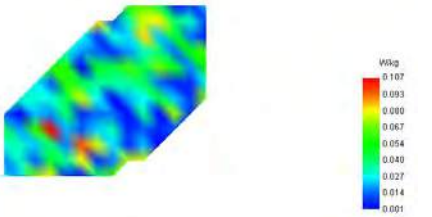
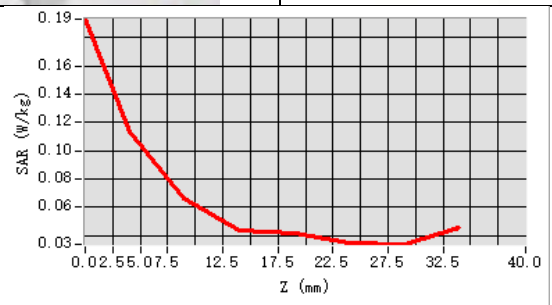
Maximum location: X=26.00, Y=-17.00 ; SAR Peak: 0.26 W/kg

SURFACE SAR	VOLUME SAR
	
3D screen shot	**Hot spot position**
	
	

Plot 21:

Test Date	2024-08-11
Area Scan	dx=8mm dy=8mm
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5mm
Phantom	Right head
Device Position	Tilt
Band	ISM MIMO 2
Signal	IEEE 802.11n
Frequency	2437
SAR 10g (W/Kg)	0.030
SAR 1g (W/Kg)	0.059
ConvF	2.30
Relative permittivity	40.25
Conductivity (S/m)	1.84

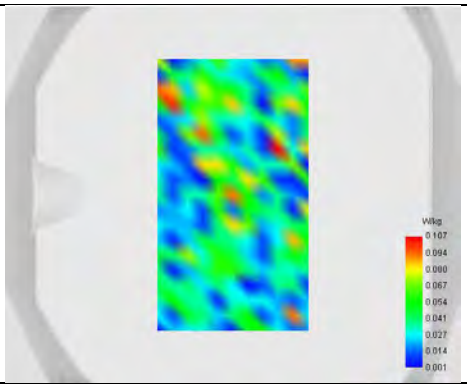
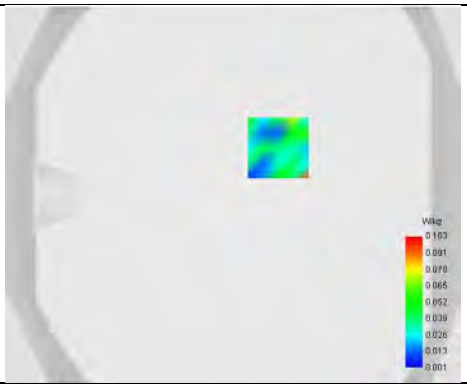
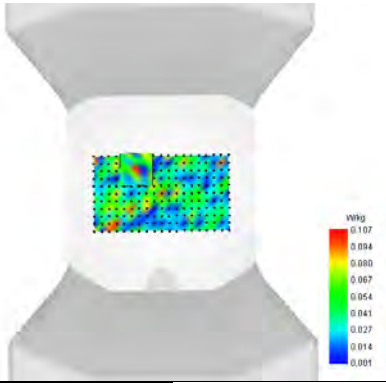
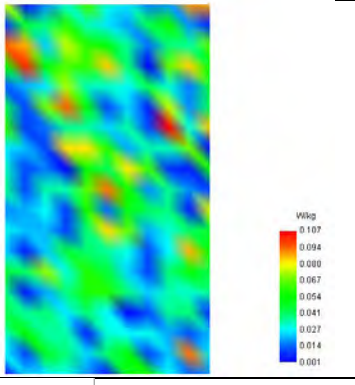
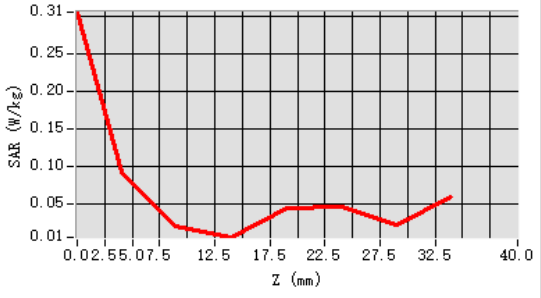
Maximum location: X=-73.00, Y=-48.00 ; SAR Peak: 0.29 W/kg

SURFACE SAR	VOLUME SAR
	
3D screen shot	**Hot spot position**
	
	

Plot 22:

Test Date	2024-08-11
Area Scan	dx=8mm dy=8mm
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5mm
Phantom	Validation plane
Device Position	Top Side
Band	ISM MIMO 2
Signal	IEEE 802.11n
Frequency	2437
SAR 10g (W/Kg)	0.035
SAR 1g (W/Kg)	0.067
ConvF	2.30
Relative permittivity	40.25
Conductivity (S/m)	1.84

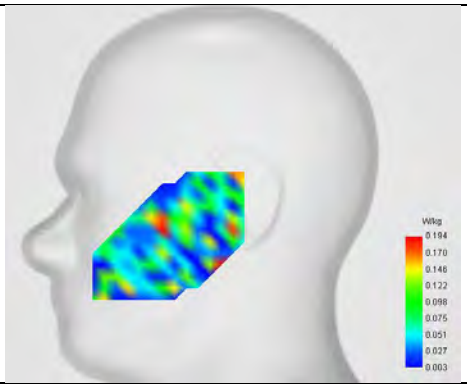
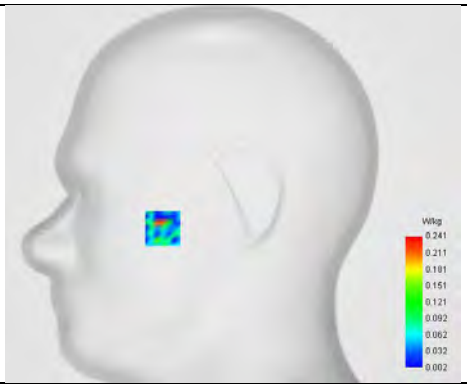
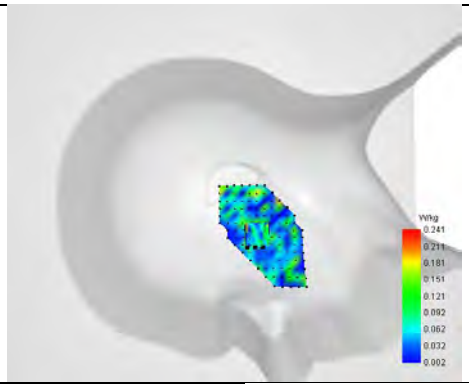
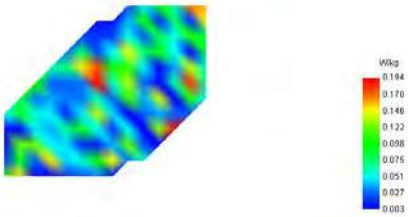
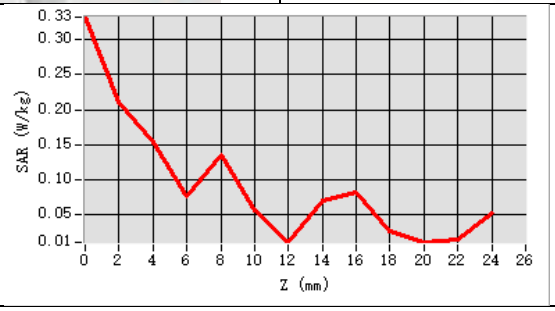
Maximum location: X=24.00, Y=25.00 ; SAR Peak: 0.31 W/kg

SURFACE SAR	VOLUME SAR
	
3D screen shot	**Hot spot position**
	
	

Plot 23:

Test Date	2024-08-18
Area Scan	dx=8mm dy=8mm
Zoom Scan	7x7x12,dx=4mm dy=4mm dz=2mm
Phantom	Right head
Device Position	Cheek
Band	U-NII-1 ANT 1
Signal	IEEE 802.11a
Frequency	5240
SAR 10g (W/Kg)	0.036
SAR 1g (W/Kg)	0.125
ConvF	1.98
Relative permittivity	36.53
Conductivity (S/m)	4.62

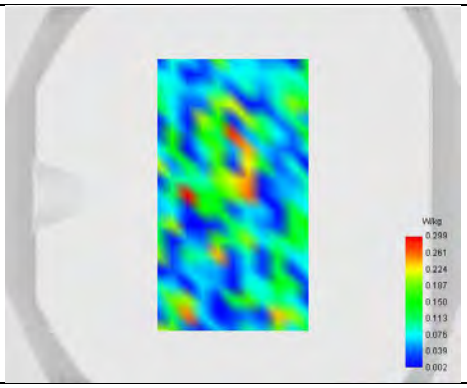
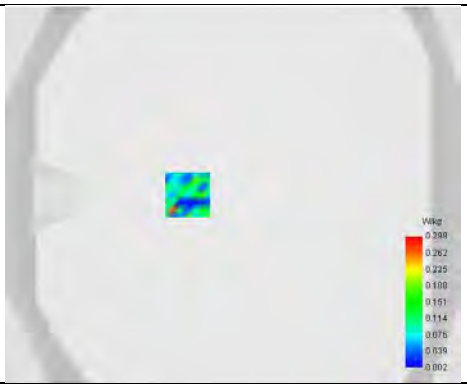
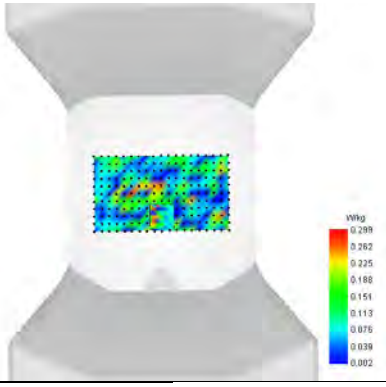
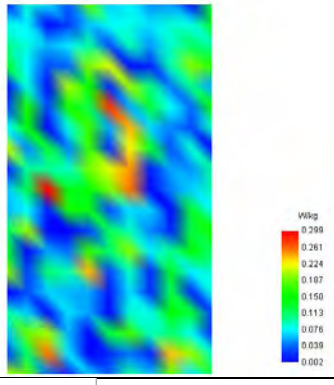
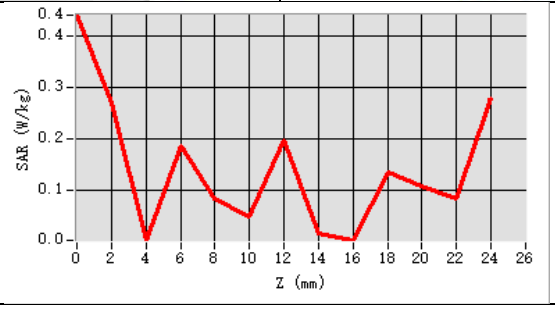
Maximum location: X=-48.00, Y=-23.00 ; SAR Peak: 0.85 W/kg

SURFACE SAR	VOLUME SAR
	
3D screen shot	**Hot spot position**
	
	

Plot 24:

Test Date	2024-08-18
Area Scan	dx=8mm dy=8mm
Zoom Scan	7x7x12,dx=4mm dy=4mm dz=2mm
Phantom	Validation plane
Device Position	Back Side
Band	U-NII-1 ANT 1
Signal	IEEE 802.11a
Frequency	5240
SAR 10g (W/Kg)	0.059
SAR 1g (W/Kg)	0.090
ConvF	1.98
Relative permittivity	36.53
Conductivity (S/m)	4.62

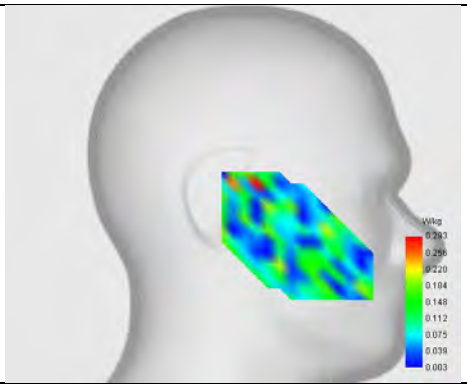
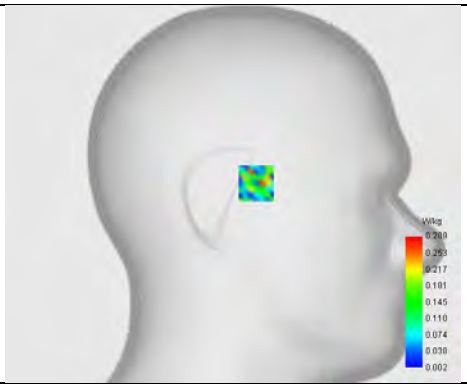
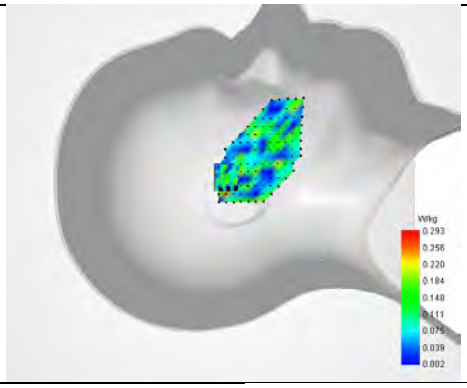
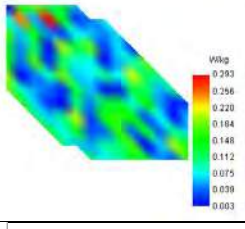
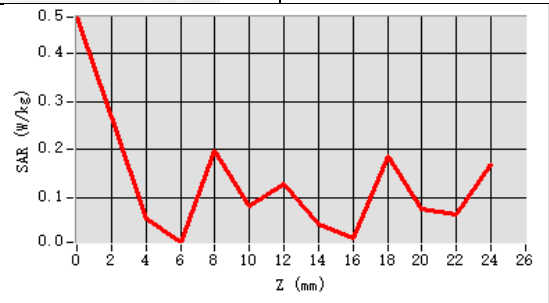
Maximum location: X=-24.00, Y=0.00 ; SAR Peak: 1.00 W/kg

SURFACE SAR	VOLUME SAR
	
3D screen shot	**Hot spot position**
	
	

Plot 25:

Test Date	2024-08-14
Area Scan	dx=8mm dy=8mm
Zoom Scan	7x7x12,dx=4mm dy=4mm dz=2mm
Phantom	Left head
Device Position	Cheek
Band	U-NII-1 ANT 2
Signal	IEEE 802.11a
Frequency	5180
SAR 10g (W/Kg)	0.071
SAR 1g (W/Kg)	0.254
ConvF	1.98
Relative permittivity	36.57
Conductivity (S/m)	4.69

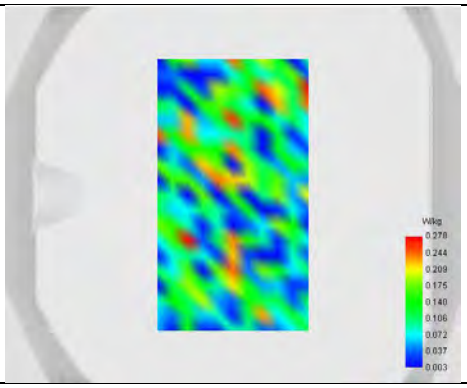
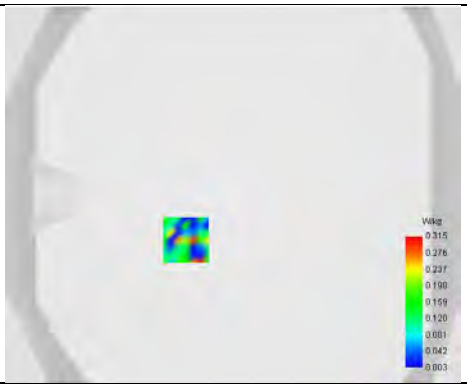
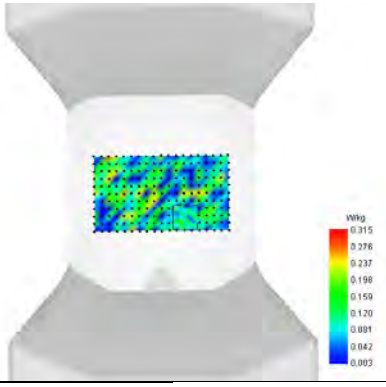
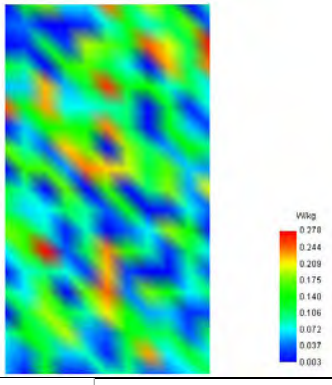
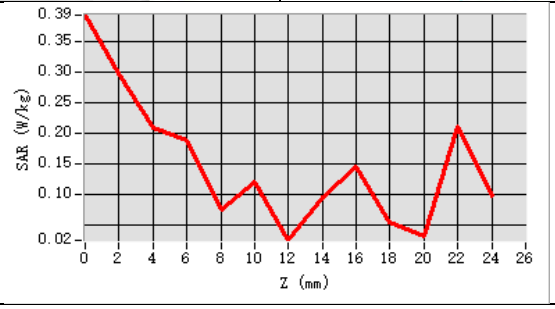
Maximum location: X=-16.00, Y=8.00 ; SAR Peak: 2.05 W/kg

SURFACE SAR	VOLUME SAR
	
3D screen shot	**Hot spot position**
	
	

Plot 26:

Test Date	2024-08-14
Area Scan	dx=8mm dy=8mm
Zoom Scan	7x7x12,dx=4mm dy=4mm dz=2mm
Phantom	Validation plane
Device Position	Back Side
Band	U-NII-1 ANT 2
Signal	IEEE 802.11a
Frequency	5180
SAR 10g (W/Kg)	0.088
SAR 1g (W/Kg)	0.214
ConvF	1.98
Relative permittivity	36.57
Conductivity (S/m)	4.69

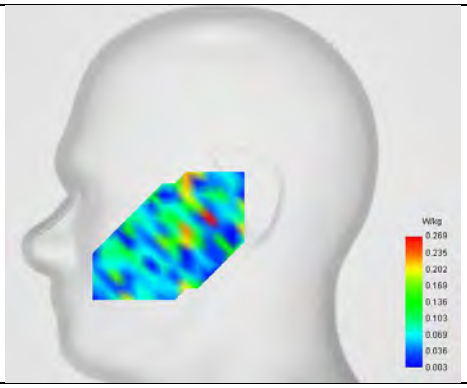
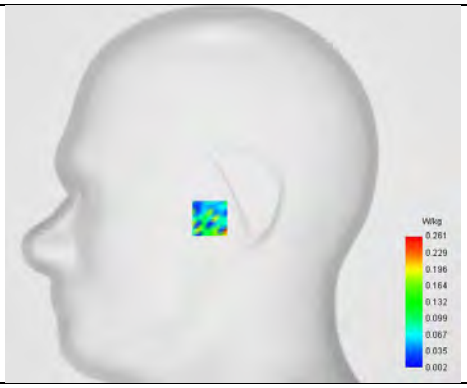
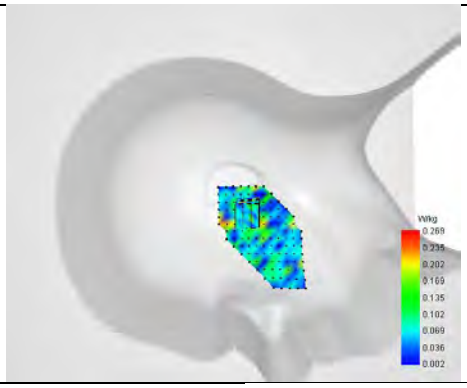
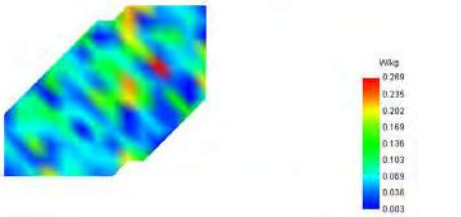
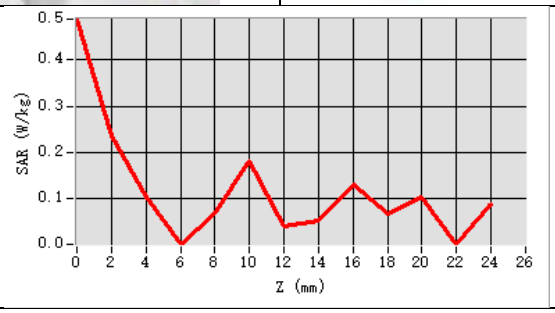
Maximum location: X=-25.00, Y=-24.00 ; SAR Peak: 1.39 W/kg

SURFACE SAR	VOLUME SAR
	
3D screen shot	**Hot spot position**
	
	

Plot 27:

Test Date	2024-08-14
Area Scan	dx=8mm dy=8mm
Zoom Scan	7x7x12,dx=4mm dy=4mm dz=2mm
Phantom	Right head
Device Position	Tilt
Band	U-NII-1 MIMO 1
Signal	IEEE 802.11n
Frequency	5230
SAR 10g (W/Kg)	0.083
SAR 1g (W/Kg)	0.277
ConvF	1.98
Relative permittivity	36.57
Conductivity (S/m)	4.69

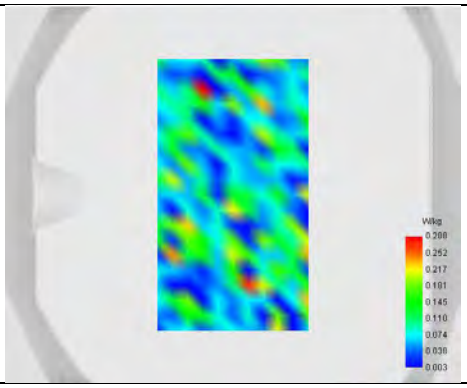
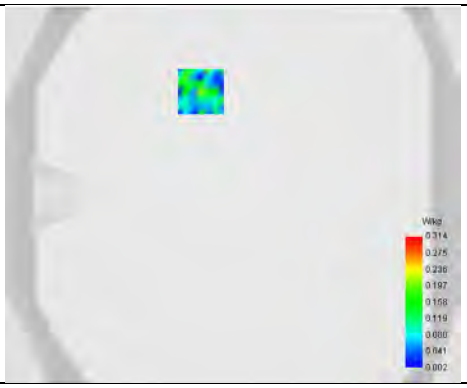
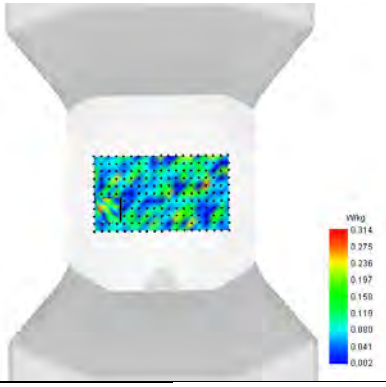
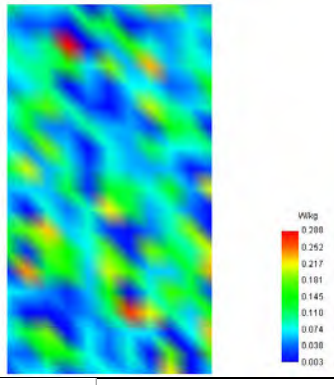
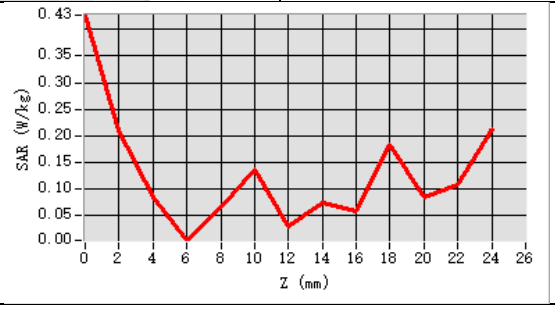
Maximum location: X=-16.00, Y=-16.00 ; SAR Peak: 1.42 W/kg

SURFACE SAR	VOLUME SAR
	
3D screen shot	**Hot spot position**
	
	

Plot 28:

Test Date	2024-08-14
Area Scan	dx=8mm dy=8mm
Zoom Scan	7x7x12,dx=4mm dy=4mm dz=2mm
Phantom	Validation plane
Device Position	Top Side
Band	U-NII-1 MIMO 1
Signal	IEEE 802.11n
Frequency	5230
SAR 10g (W/Kg)	0.078
SAR 1g (W/Kg)	0.150
ConvF	1.98
Relative permittivity	36.57
Conductivity (S/m)	4.69

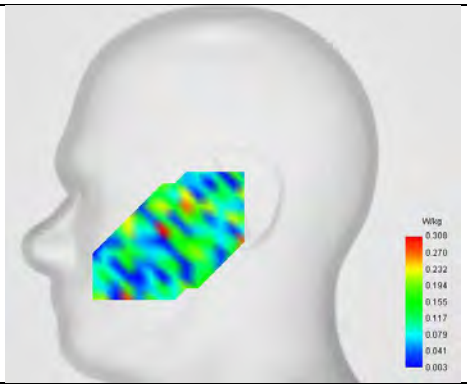
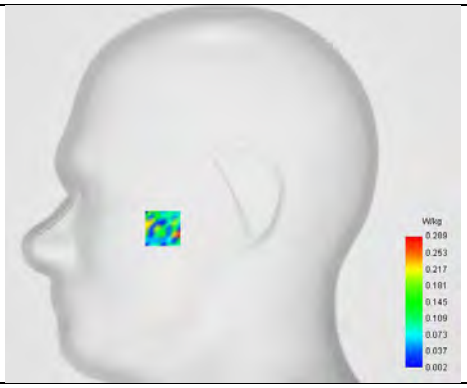
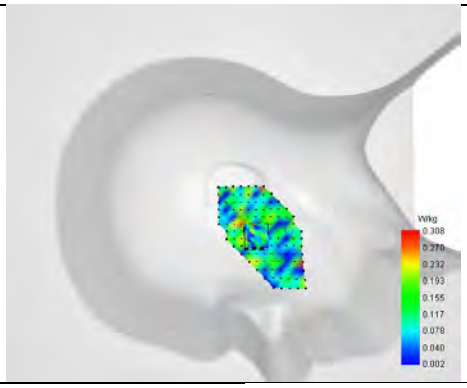
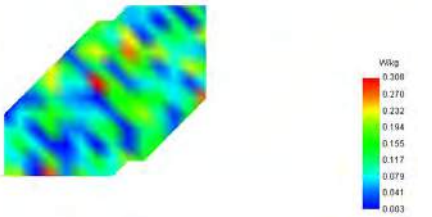
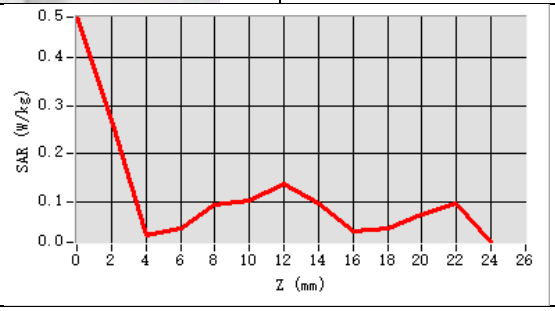
Maximum location: X=-17.00, Y=55.00 ; SAR Peak: 0.79 W/kg

SURFACE SAR	VOLUME SAR
	
3D screen shot	**Hot spot position**
	
	

Plot 29:

Test Date	2024-08-14
Area Scan	dx=8mm dy=8mm
Zoom Scan	7x7x12,dx=4mm dy=4mm dz=2mm
Phantom	Right head
Device Position	Tilt
Band	U-NII-1 MIMO 2
Signal	IEEE 802.11n
Frequency	5230
SAR 10g (W/Kg)	0.088
SAR 1g (W/Kg)	0.166
ConvF	1.98
Relative permittivity	36.57
Conductivity (S/m)	4.69

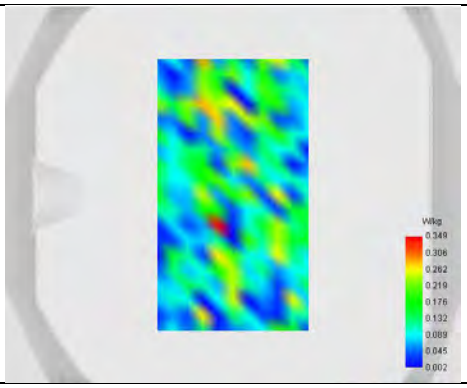
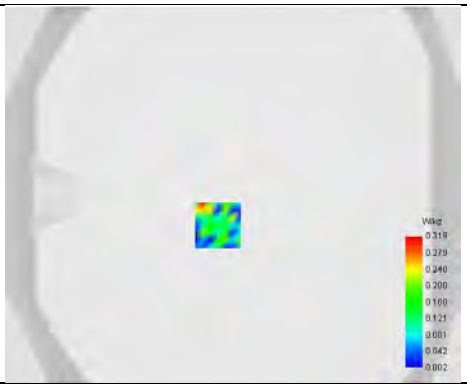
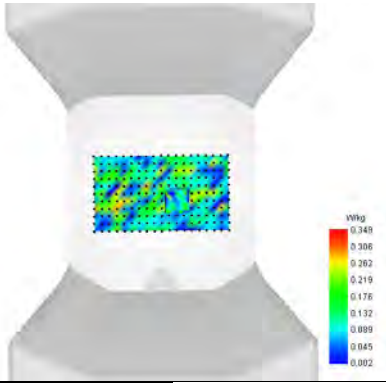
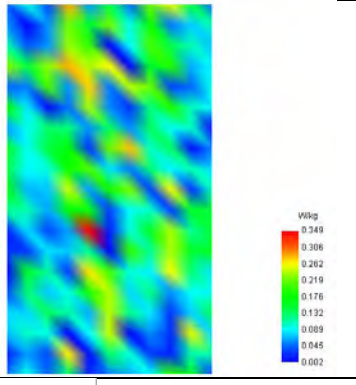
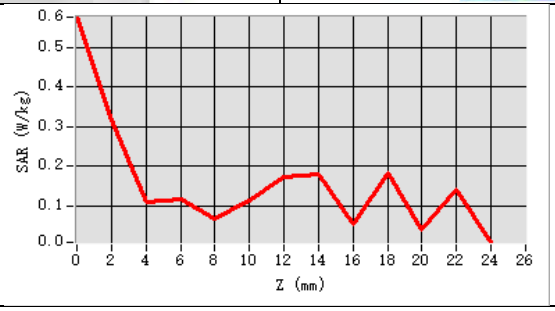
Maximum location: X=-48.00, Y=-23.00 ; SAR Peak: 1.38 W/kg

SURFACE SAR	VOLUME SAR
	
3D screen shot	**Hot spot position**
	
	

Plot 30:

Test Date	2024-08-14
Area Scan	dx=8mm dy=8mm
Zoom Scan	7x7x12,dx=4mm dy=4mm dz=2mm
Phantom	Validation plane
Device Position	Top Side
Band	U-NII-1 MIMO 2
Signal	IEEE 802.11n
Frequency	5230
SAR 10g (W/Kg)	0.094
SAR 1g (W/Kg)	0.159
ConvF	1.98
Relative permittivity	36.57
Conductivity (S/m)	4.69

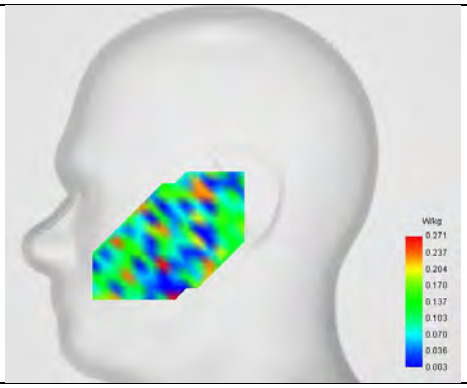
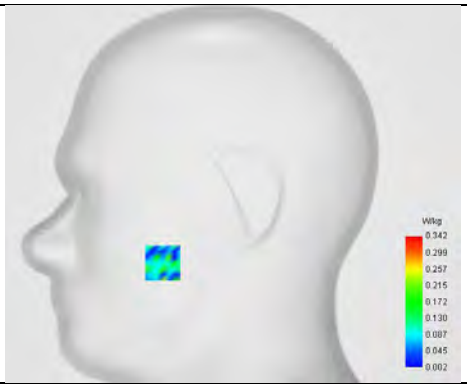
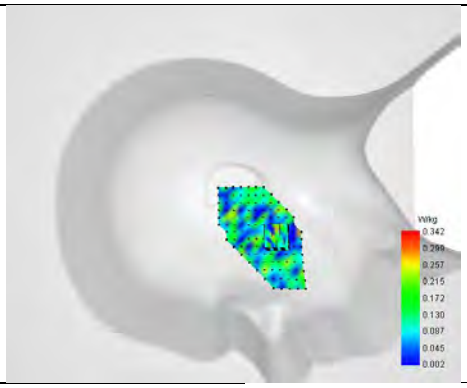
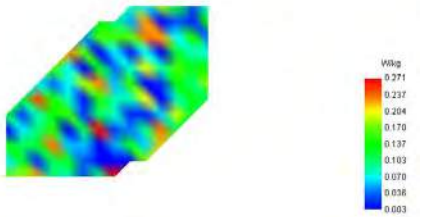
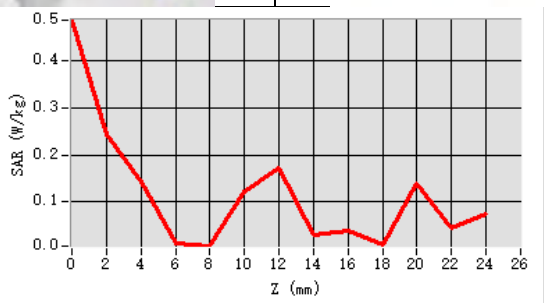
Maximum location: X=-8.00, Y=-16.00 ; SAR Peak: 1.11 W/kg

SURFACE SAR	VOLUME SAR
	
3D screen shot	**Hot spot position**
	
	

Plot 31:

Test Date	2024-08-15
Area Scan	dx=8mm dy=8mm
Zoom Scan	7x7x12,dx=4mm dy=4mm dz=2mm
Phantom	Right head
Device Position	Cheek
Band	U-NII-2 ANT 1
Signal	IEEE 802.11a
Frequency	5260
SAR 10g (W/Kg)	0.064
SAR 1g (W/Kg)	0.097
ConvF	1.83
Relative permittivity	36.16
Conductivity (S/m)	4.85

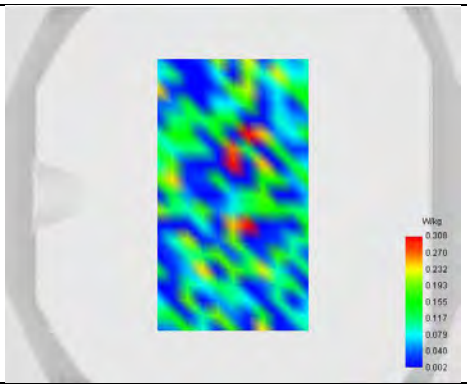
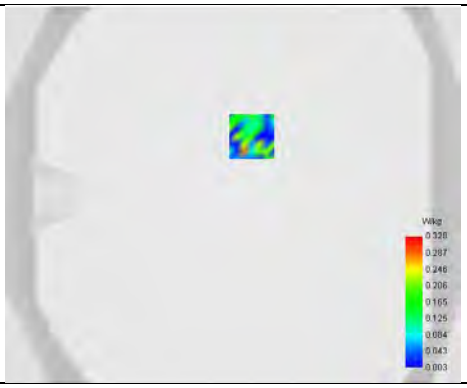
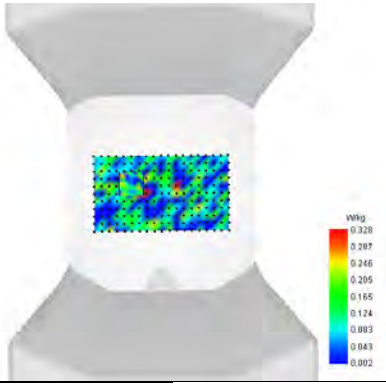
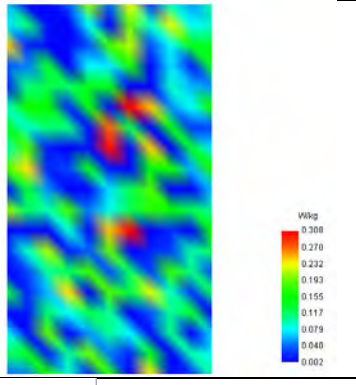
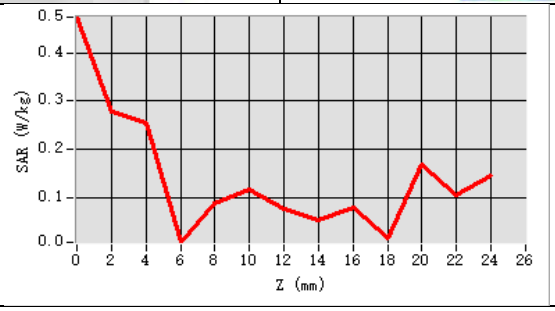
Maximum location: X=-48.00, Y=-47.00 ; SAR Peak: 1.60 W/kg

SURFACE SAR	VOLUME SAR
	
3D screen shot	**Hot spot position**
	
	

Plot 32:

Test Date	2024-08-15
Area Scan	dx=8mm dy=8mm
Zoom Scan	7x7x12,dx=4mm dy=4mm dz=2mm
Phantom	Validation plane
Device Position	Back Side
Band	U-NII-2 ANT 1
Signal	IEEE 802.11a
Frequency	5260
SAR 10g (W/Kg)	0.082
SAR 1g (W/Kg)	0.144
ConvF	1.83
Relative permittivity	36.16
Conductivity (S/m)	4.85

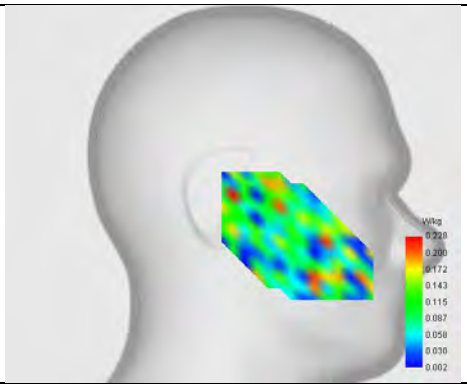
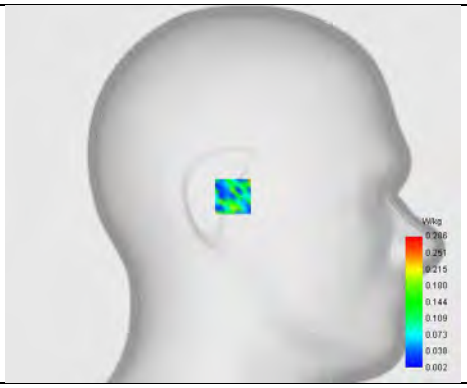
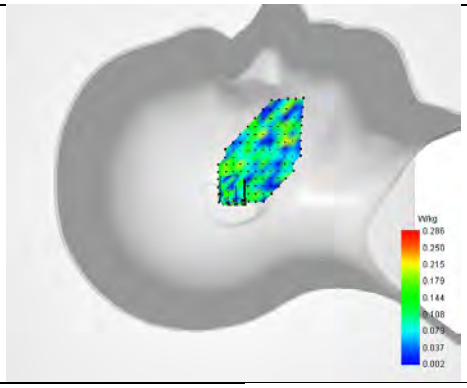
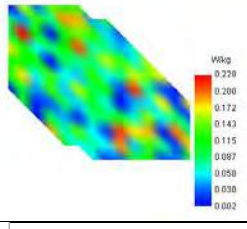
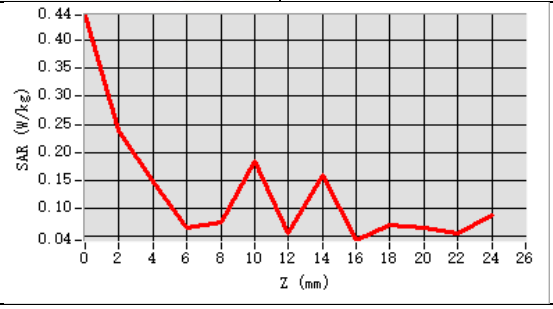
Maximum location: X=10.00, Y=31.00 ; SAR Peak: 1.24 W/kg

SURFACE SAR	VOLUME SAR
	
3D screen shot	**Hot spot position**
	
	

Plot 33:

Test Date	2024-08-15
Area Scan	dx=8mm dy=8mm
Zoom Scan	7x7x12,dx=4mm dy=4mm dz=2mm
Phantom	Left head
Device Position	Cheek
Band	U-NII-2 ANT 2
Signal	IEEE 802.11a
Frequency	5260
SAR 10g (W/Kg)	0.078
SAR 1g (W/Kg)	0.224
ConvF	1.83
Relative permittivity	36.16
Conductivity (S/m)	4.85

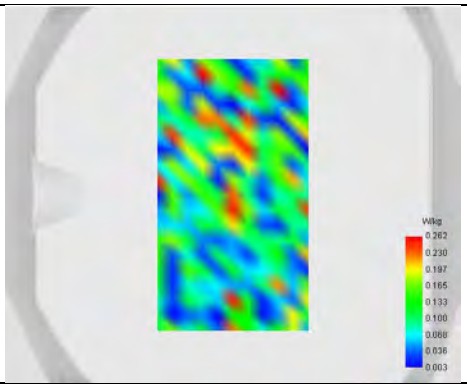
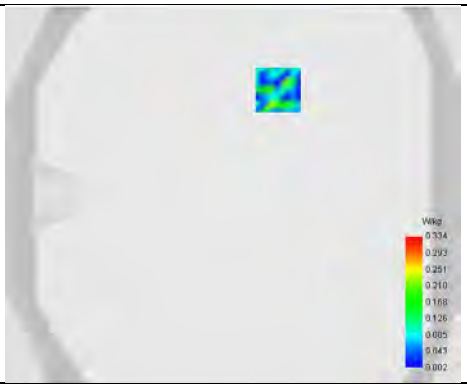
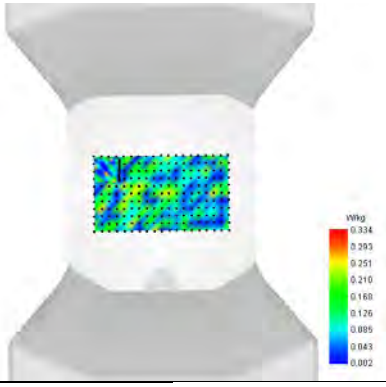
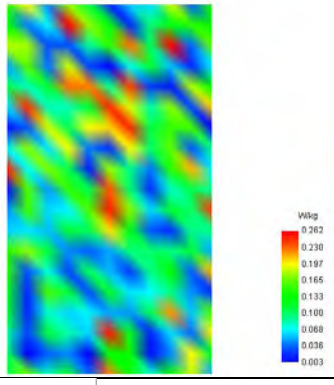
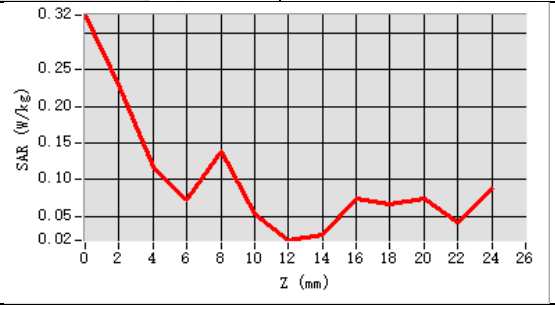
Maximum location: X=0.00, Y=-1.00 ; SAR Peak: 1.36 W/kg

SURFACE SAR	VOLUME SAR
	
3D screen shot	**Hot spot position**
	
	

Plot 34:

Test Date	2024-08-15
Area Scan	dx=8mm dy=8mm
Zoom Scan	7x7x12,dx=4mm dy=4mm dz=2mm
Phantom	Validation plane
Device Position	Back Side
Band	U-NII-2 ANT 2
Signal	IEEE 802.11a
Frequency	5260
SAR 10g (W/Kg)	0.066
SAR 1g (W/Kg)	0.171
ConvF	1.83
Relative permittivity	36.16
Conductivity (S/m)	4.85

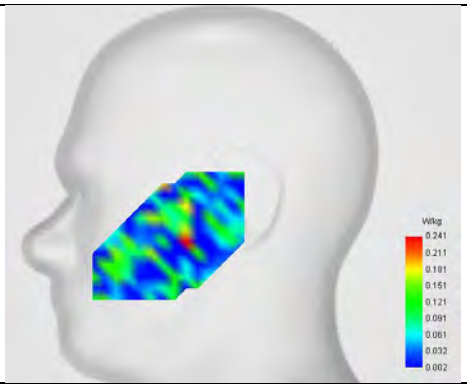
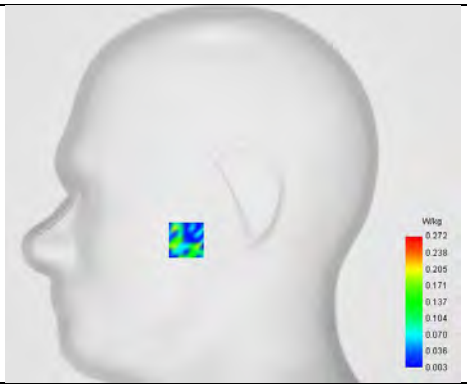
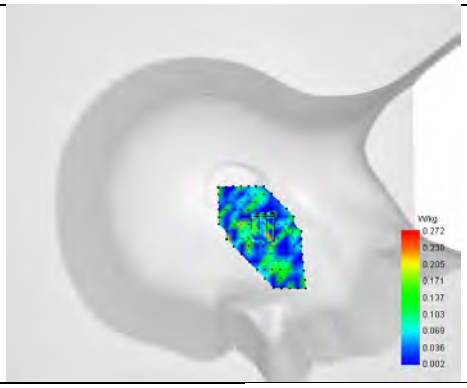
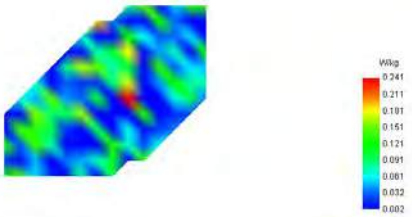
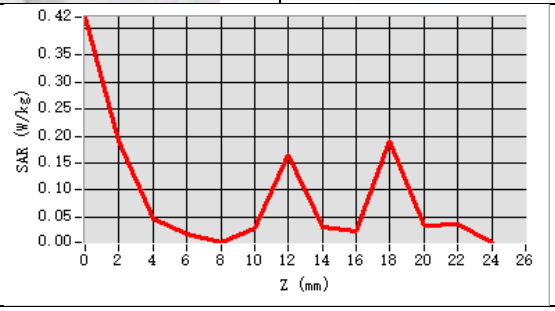
Maximum location: X=24.00, Y=56.00 ; SAR Peak: 1.10 W/kg

SURFACE SAR	VOLUME SAR
	
3D screen shot	**Hot spot position**
	
	

Plot 35:

Test Date	2024-08-18
Area Scan	dx=8mm dy=8mm
Zoom Scan	7x7x12,dx=4mm dy=4mm dz=2mm
Phantom	Right head
Device Position	Tilt
Band	U-NII-2 MIMO 1
Signal	IEEE 802.11n
Frequency	5320
SAR 10g (W/Kg)	0.061
SAR 1g (W/Kg)	0.157
ConvF	1.83
Relative permittivity	36.49
Conductivity (S/m)	4.82

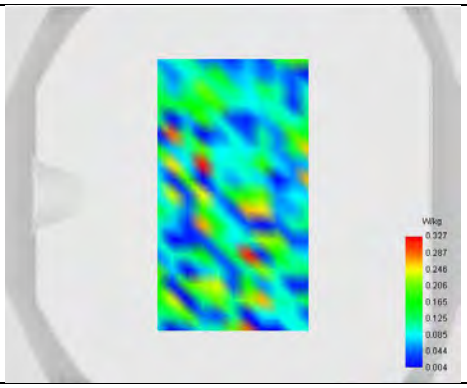
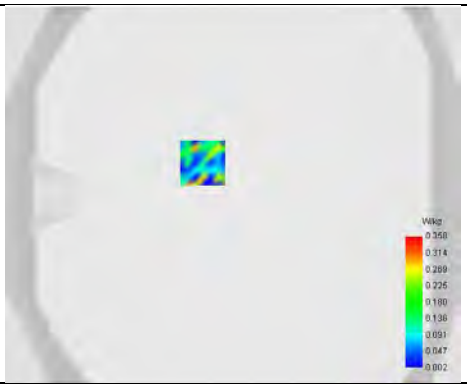
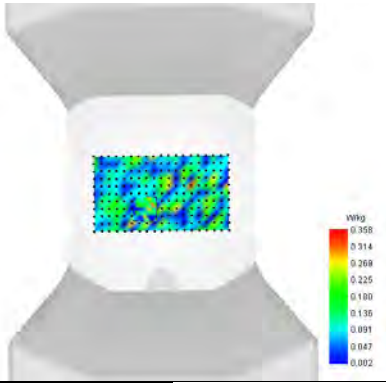
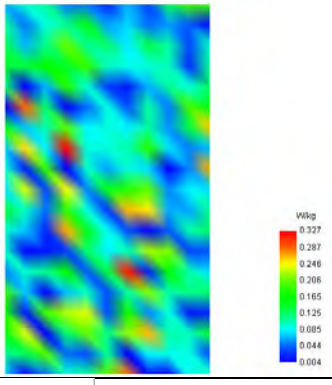
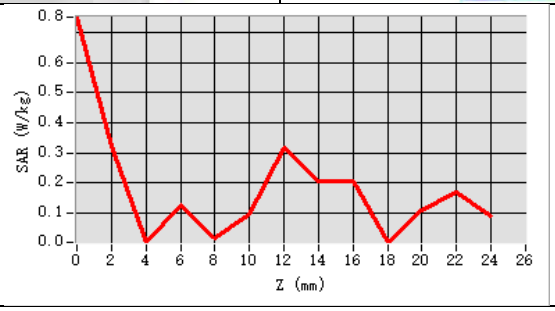
Maximum location: X=-32.00, Y=-31.00 ; SAR Peak: 1.52 W/kg

SURFACE SAR	VOLUME SAR
	
3D screen shot	**Hot spot position**
	
	

Plot 36:

Test Date	2024-08-18
Area Scan	dx=8mm dy=8mm
Zoom Scan	7x7x12,dx=4mm dy=4mm dz=2mm
Phantom	Validation plane
Device Position	Top Side
Band	U-NII-2 MIMO 1
Signal	IEEE 802.11n
Frequency	5320
SAR 10g (W/Kg)	0.082
SAR 1g (W/Kg)	0.133
ConvF	1.83
Relative permittivity	36.49
Conductivity (S/m)	4.82

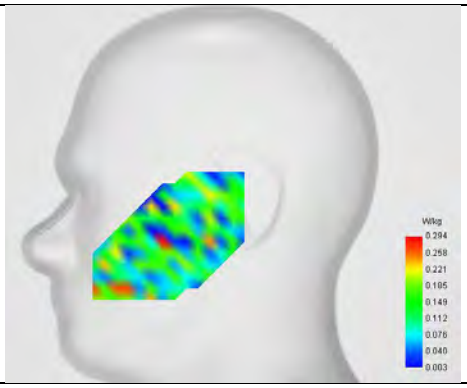
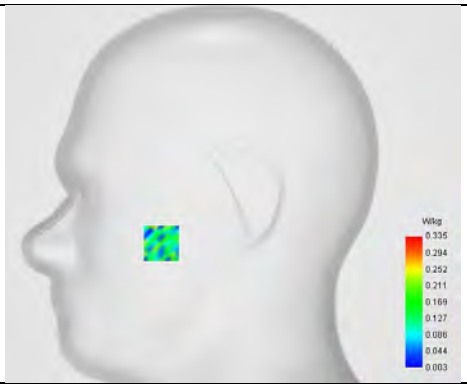
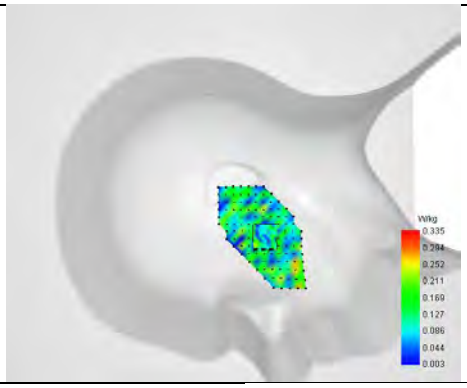
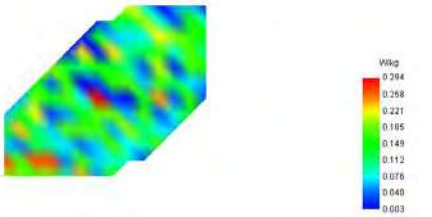
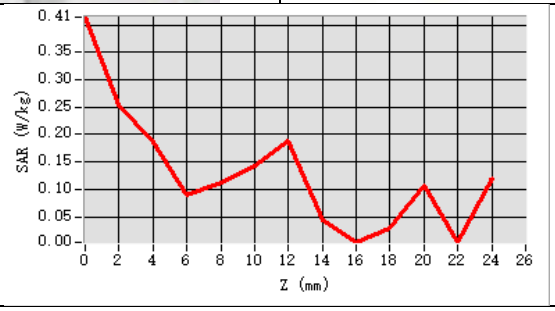
Maximum location: X=-16.00, Y=17.00 ; SAR Peak: 1.10 W/kg

SURFACE SAR	VOLUME SAR
	
3D screen shot	**Hot spot position**
	
	

Plot 37:

Test Date	2024-08-15
Area Scan	dx=8mm dy=8mm
Zoom Scan	7x7x12,dx=4mm dy=4mm dz=2mm
Phantom	Right head
Device Position	Tilt
Band	U-NII-2 MIMO 2
Signal	IEEE 802.11n
Frequency	5320
SAR 10g (W/Kg)	0.089
SAR 1g (W/Kg)	0.262
ConvF	1.83
Relative permittivity	36.16
Conductivity (S/m)	4.85

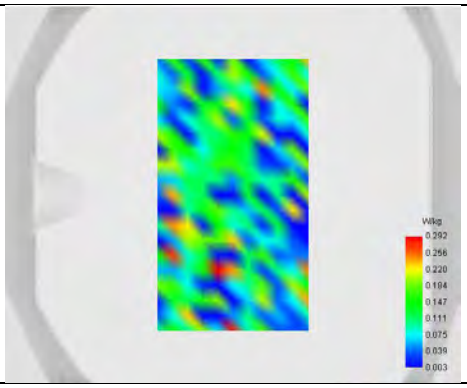
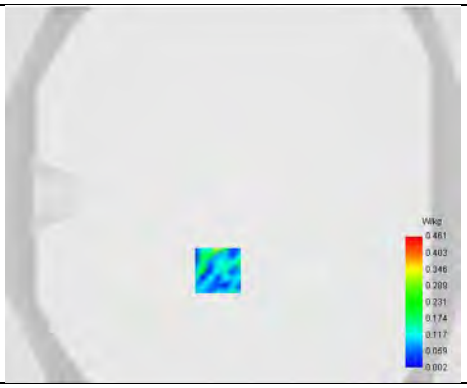
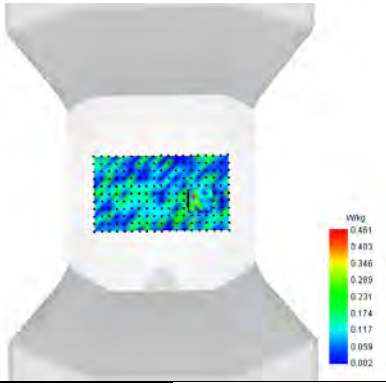
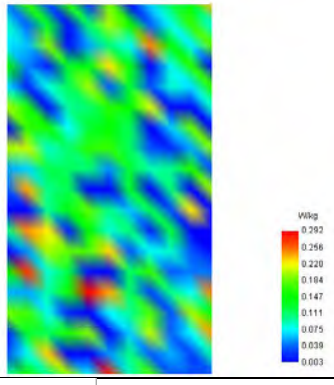
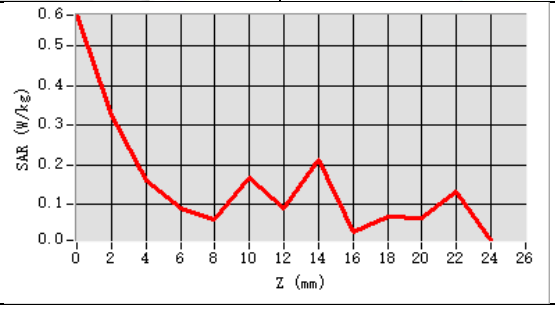
Maximum location: X=-49.00, Y=-33.00 ; SAR Peak: 1.69 W/kg

SURFACE SAR	VOLUME SAR
	
3D screen shot	**Hot spot position**
	
	

Plot 38:

Test Date	2024-08-15
Area Scan	dx=8mm dy=8mm
Zoom Scan	7x7x12,dx=4mm dy=4mm dz=2mm
Phantom	Validation plane
Device Position	Top Side
Band	U-NII-2 MIMO 2
Signal	IEEE 802.11n
Frequency	5320
SAR 10g (W/Kg)	0.079
SAR 1g (W/Kg)	0.181
ConvF	1.83
Relative permittivity	36.16
Conductivity (S/m)	4.85

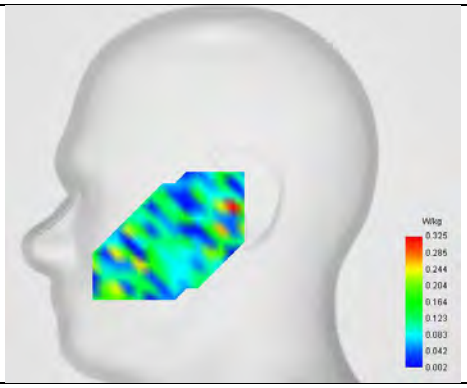
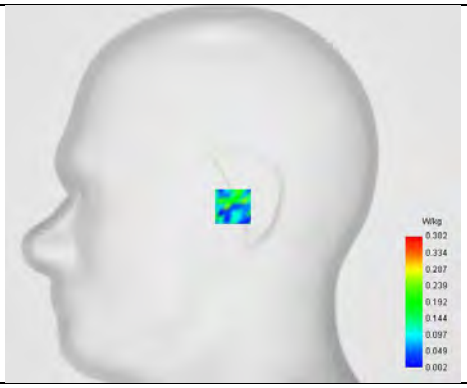
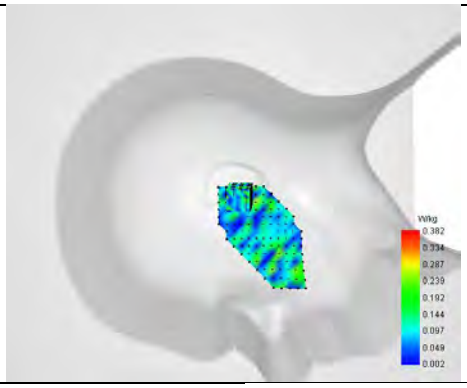
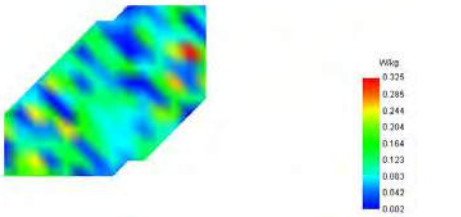
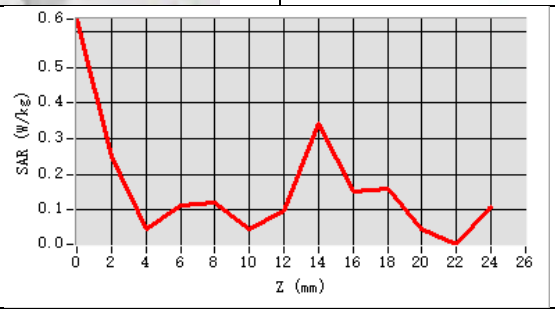
Maximum location: X=-8.00, Y=-40.00 ; SAR Peak: 1.19 W/kg

SURFACE SAR	VOLUME SAR
	
3D screen shot	**Hot spot position**
	
	

Plot 39:

Test Date	2024-08-19
Area Scan	dx=8mm dy=8mm
Zoom Scan	7x7x12,dx=4mm dy=4mm dz=2mm
Phantom	0.111
Device Position	0.289
Band	U-NII-3 ANT 1
Signal	IEEE 802.11a
Frequency	5700
SAR 10g (W/Kg)	0.111
SAR 1g (W/Kg)	0.289
ConvF	1.86
Relative permittivity	36.27
Conductivity (S/m)	5.02

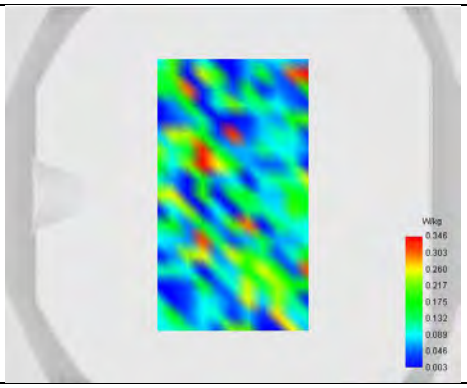
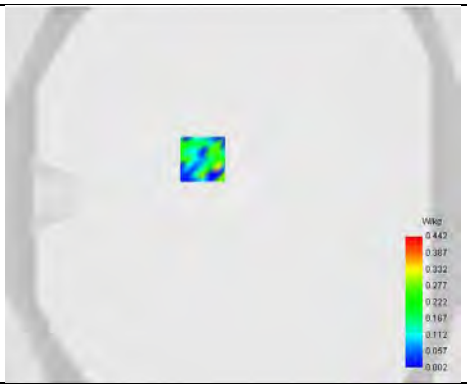
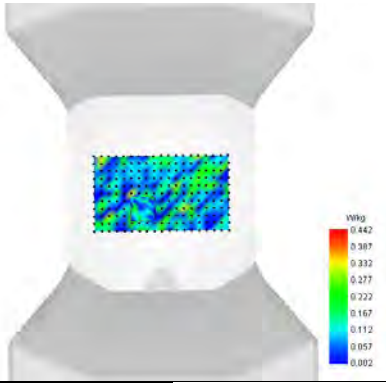
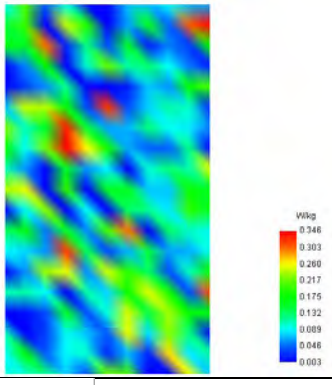
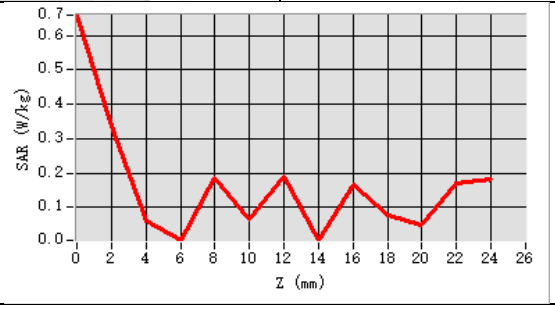
Maximum location: X=0.00, Y=-8.00 ; SAR Peak: 1.68 W/kg

SURFACE SAR	VOLUME SAR
	
3D screen shot	**Hot spot position**
	
	

Plot 40:

Test Date	2024-08-19
Area Scan	dx=8mm dy=8mm
Zoom Scan	7x7x12,dx=4mm dy=4mm dz=2mm
Phantom	Validation plane
Device Position	Back Side
Band	U-NII-3 ANT 1
Signal	IEEE 802.11a
Frequency	5700
SAR 10g (W/Kg)	0.076
SAR 1g (W/Kg)	0.214
ConvF	1.86
Relative permittivity	36.27
Conductivity (S/m)	5.02

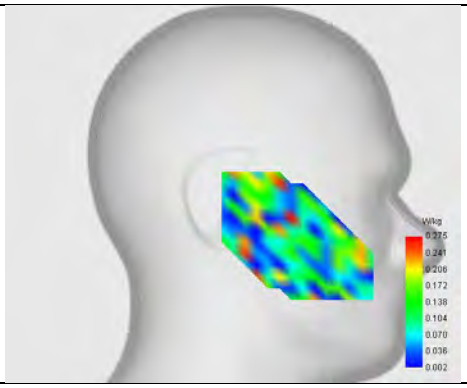
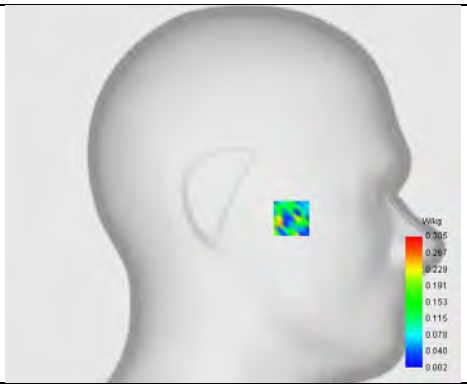
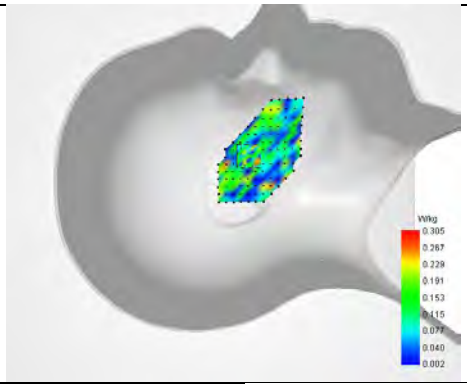
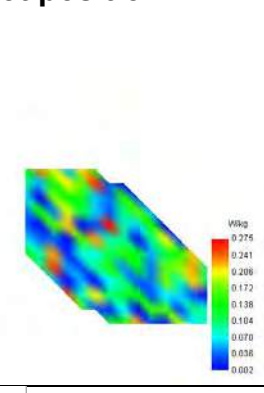
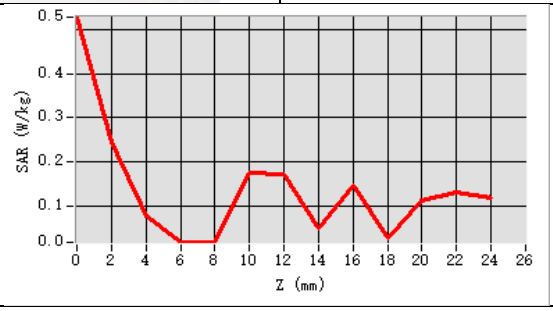
Maximum location: X=-16.00, Y=19.00 ; SAR Peak: 1.41 W/kg

SURFACE SAR	VOLUME SAR
	
3D screen shot	**Hot spot position**
	
	

Plot 41:

Test Date	2024-08-16
Area Scan	dx=8mm dy=8mm
Zoom Scan	7x7x12,dx=4mm dy=4mm dz=2mm
Phantom	Left head
Device Position	Cheek
Band	U-NII-3 ANT 2
Signal	IEEE 802.11a
Frequency	5580
SAR 10g (W/Kg)	0.066
SAR 1g (W/Kg)	0.251
ConvF	1.86
Relative permittivity	36.53
Conductivity (S/m)	5.06

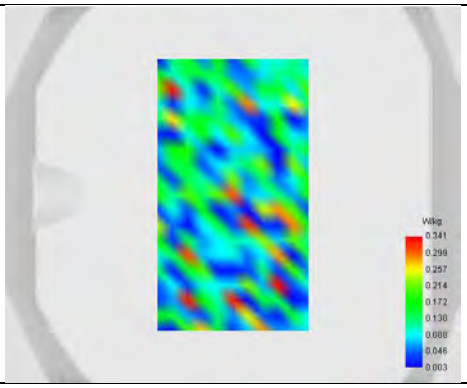
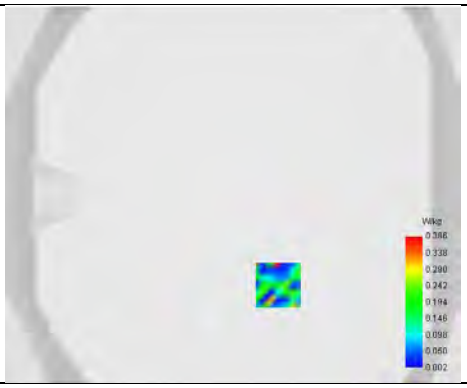
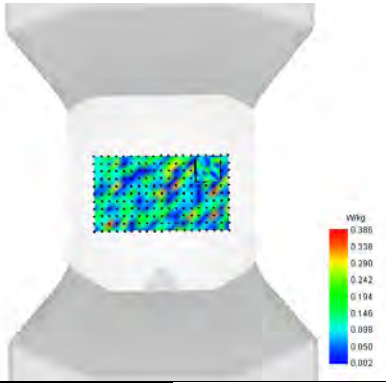
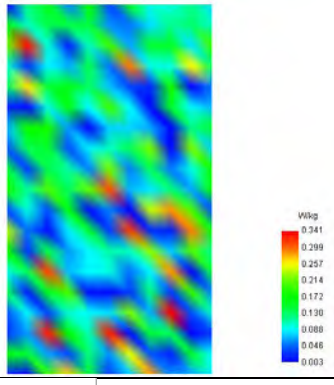
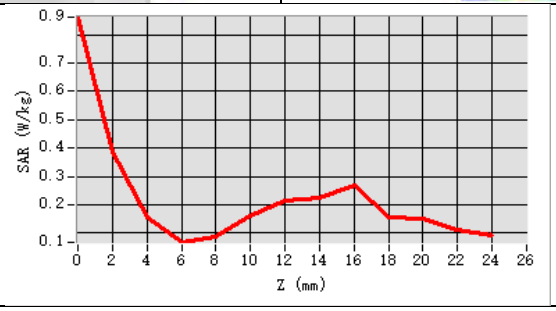
Maximum location: X=-40.00, Y=-16.00 ; SAR Peak: 1.34 W/kg

SURFACE SAR	VOLUME SAR
	
3D screen shot	**Hot spot position**
	
	

Plot 42:

Test Date	2024-08-16
Area Scan	dx=8mm dy=8mm
Zoom Scan	7x7x12,dx=4mm dy=4mm dz=2mm
Phantom	Validation plane
Device Position	Back Side
Band	U-NII-3 ANT 2
Signal	IEEE 802.11a
Frequency	5580
SAR 10g (W/Kg)	0.096
SAR 1g (W/Kg)	0.161
ConvF	1.86
Relative permittivity	36.53
Conductivity (S/m)	5.06

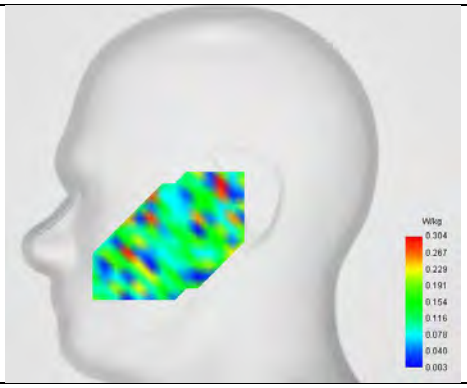
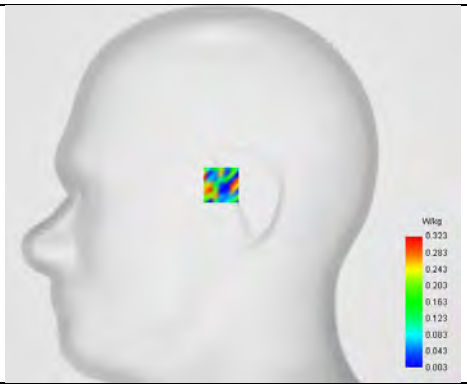
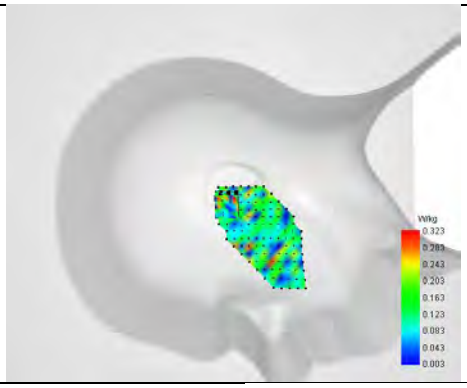
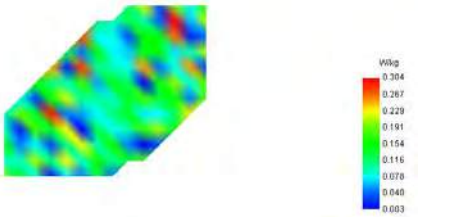
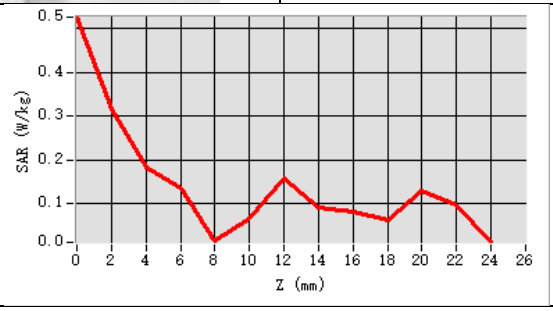
Maximum location: X=24.00, Y=-48.00 ; SAR Peak: 1.00 W/kg

SURFACE SAR	VOLUME SAR
	
3D screen shot	**Hot spot position**
	
	

Plot 43:

Test Date	2024-08-16
Area Scan	dx=8mm dy=8mm
Zoom Scan	7x7x12,dx=4mm dy=4mm dz=2mm
Phantom	Right head
Device Position	Tilt
Band	U-NII-3 MIMO 1
Signal	IEEE 802.11n
Frequency	5550
SAR 10g (W/Kg)	0.082
SAR 1g (W/Kg)	0.123
ConvF	1.86
Relative permittivity	36.53
Conductivity (S/m)	5.06

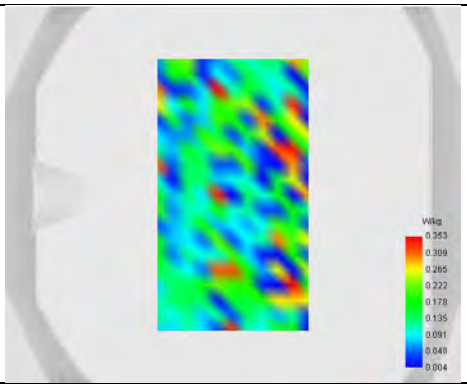
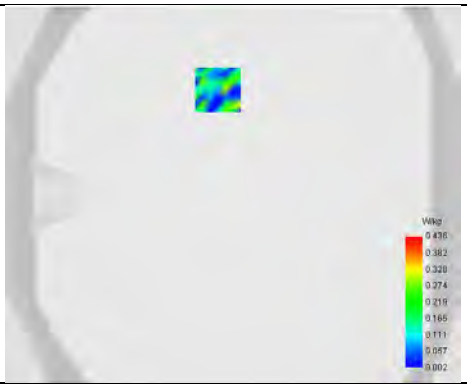
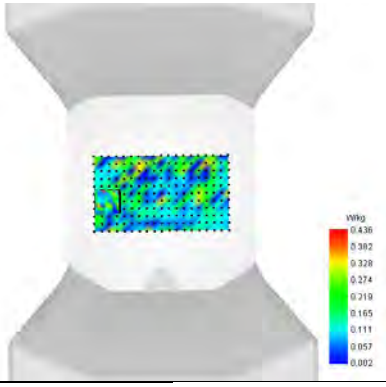
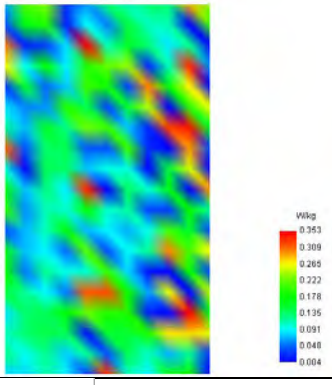
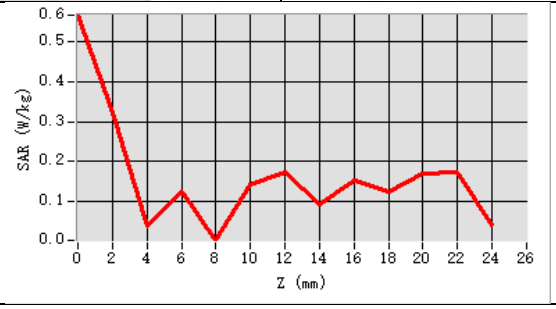
Maximum location: X=-8.00, Y=7.00 ; SAR Peak: 1.61 W/kg

SURFACE SAR	VOLUME SAR
	
3D screen shot	**Hot spot position**
	
	

Plot 44:

Test Date	2024-08-16
Area Scan	dx=8mm dy=8mm
Zoom Scan	7x7x12,dx=4mm dy=4mm dz=2mm
Phantom	Validation plane
Device Position	Top Side
Band	U-NII-3 MIMO 1
Signal	IEEE 802.11n
Frequency	5550
SAR 10g (W/Kg)	0.089
SAR 1g (W/Kg)	0.097
ConvF	1.86
Relative permittivity	36.53
Conductivity (S/m)	5.06

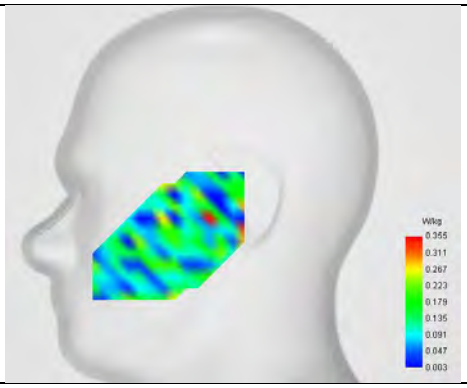
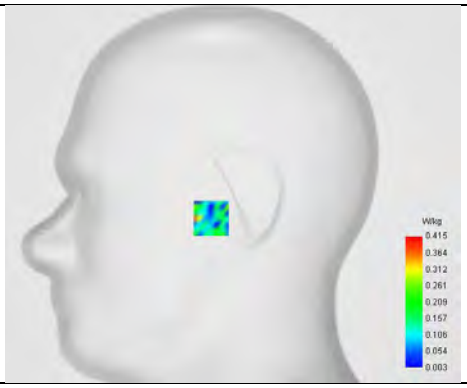
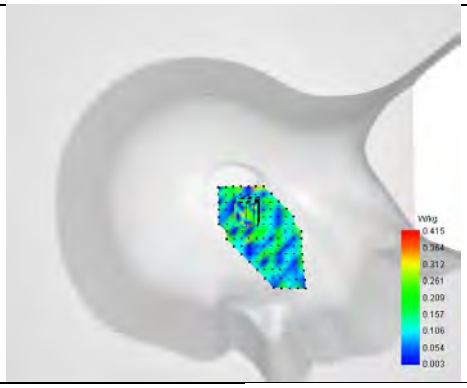
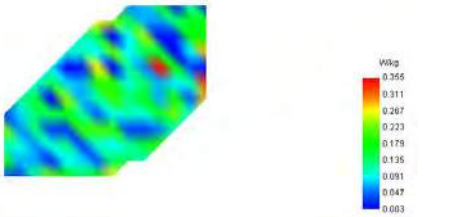
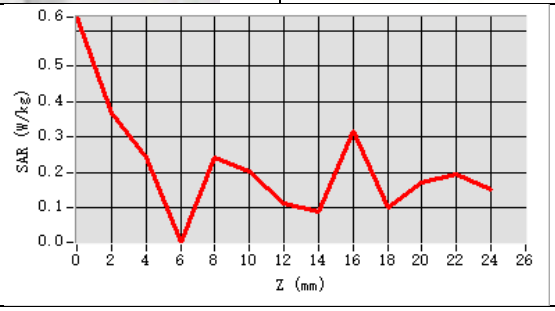
Maximum location: X=-8.00, Y=56.00 ; SAR Peak: 0.94 W/kg

SURFACE SAR	VOLUME SAR
	
3D screen shot	**Hot spot position**
	
	

Plot 45:

Test Date	2024-08-16
Area Scan	dx=8mm dy=8mm
Zoom Scan	7x7x12,dx=4mm dy=4mm dz=2mm
Phantom	Right head
Device Position	Tilt
Band	U-NII-3 MIMO 2
Signal	IEEE 802.11n
Frequency	5550
SAR 10g (W/Kg)	0.086
SAR 1g (W/Kg)	0.126
ConvF	1.86
Relative permittivity	36.53
Conductivity (S/m)	5.06

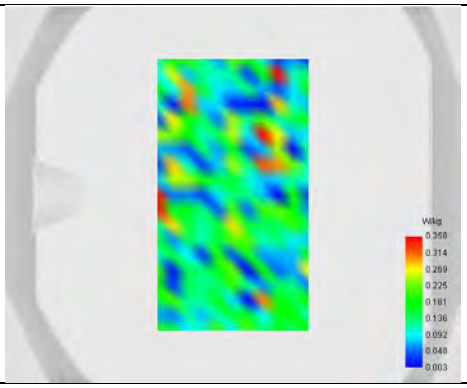
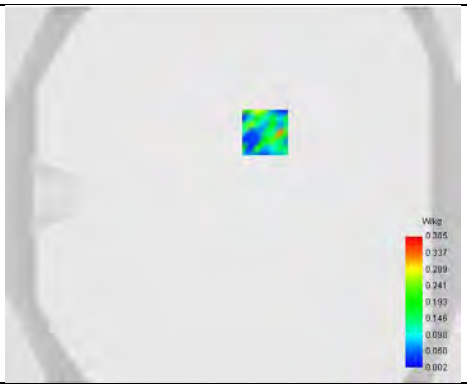
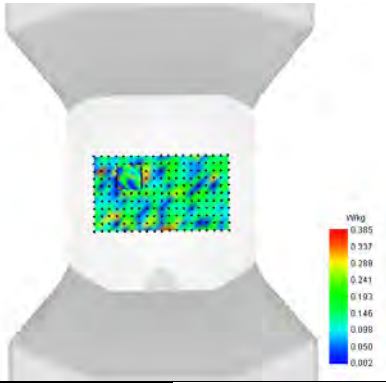
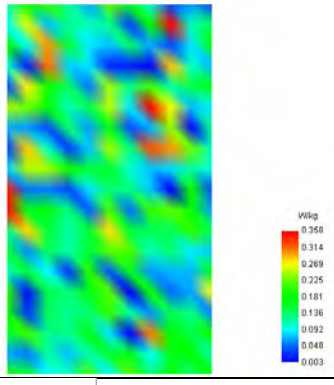
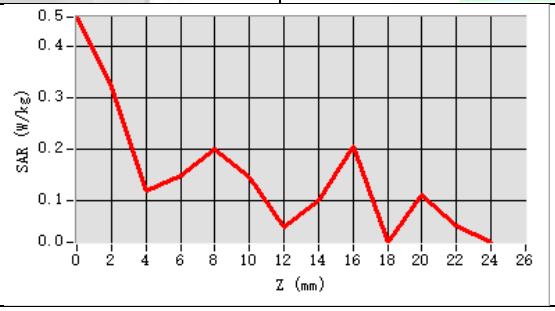
Maximum location: X=-15.00, Y=-16.00 ; SAR Peak: 1.78 W/kg

SURFACE SAR	VOLUME SAR
	
3D screen shot	**Hot spot position**
	
	

Plot 46:

Test Date	2024-08-16
Area Scan	dx=8mm dy=8mm
Zoom Scan	7x7x12,dx=4mm dy=4mm dz=2mm
Phantom	Validation plane
Device Position	Top Side
Band	U-NII-3 MIMO 2
Signal	IEEE 802.11n
Frequency	5550
SAR 10g (W/Kg)	0.104
SAR 1g (W/Kg)	0.129
ConvF	1.86
Relative permittivity	36.53
Conductivity (S/m)	5.06

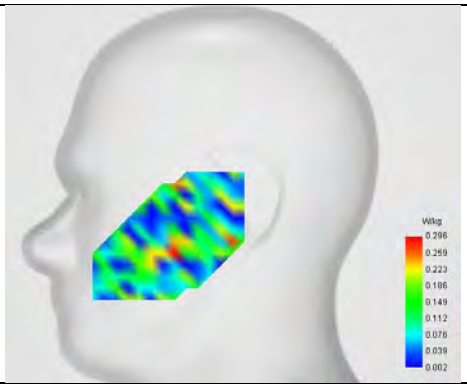
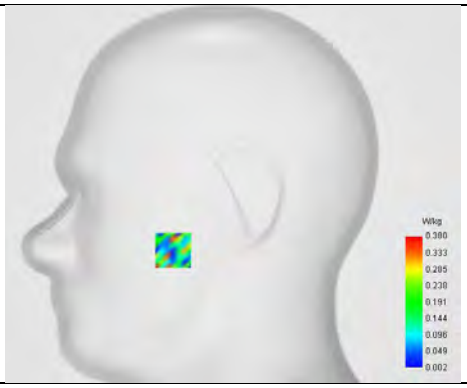
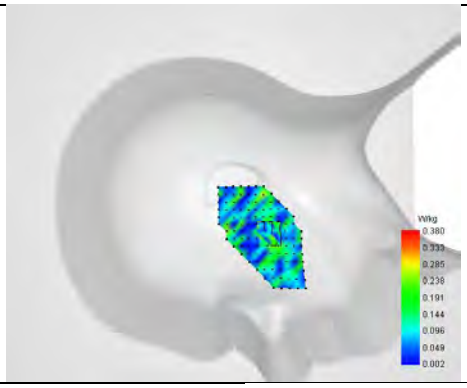
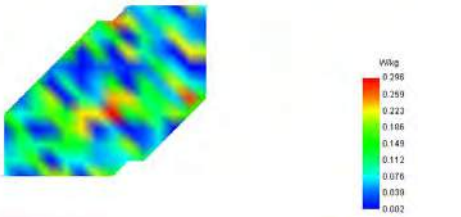
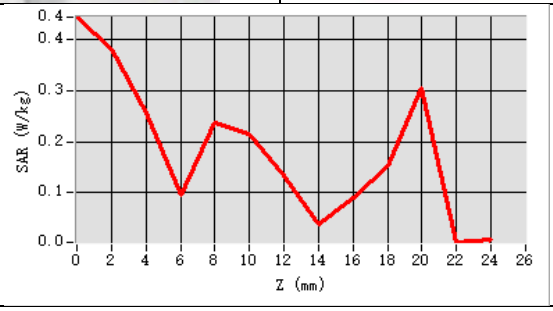
Maximum location: X=17.00, Y=33.00 ; SAR Peak: 1.24 W/kg

SURFACE SAR	VOLUME SAR
	
3D screen shot	**Hot spot position**
	
	

Plot 47:

Test Date	2024-08-19
Area Scan	dx=8mm dy=8mm
Zoom Scan	7x7x12,dx=4mm dy=4mm dz=2mm
Phantom	Right head
Device Position	Cheek
Band	U-NII-4 ANT 1
Signal	IEEE 802.11a
Frequency	5745
SAR 10g (W/Kg)	0.110
SAR 1g (W/Kg)	0.334
ConvF	1.71
Relative permittivity	35.70
Conductivity (S/m)	5.28

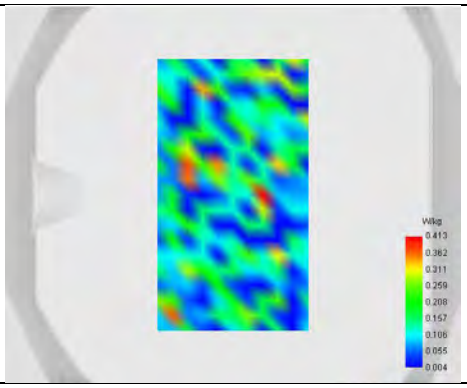
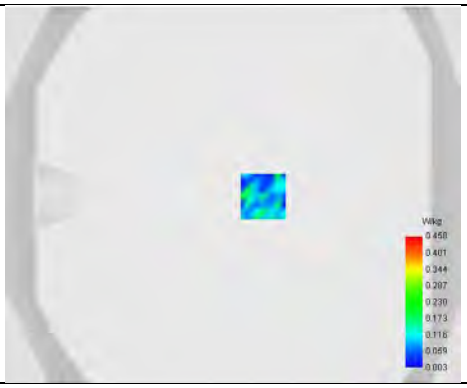
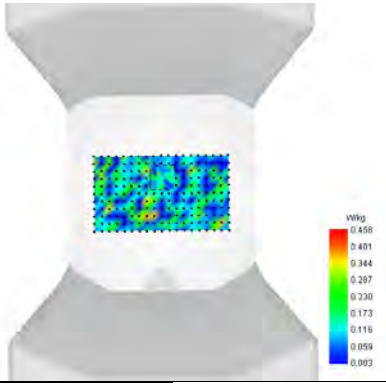
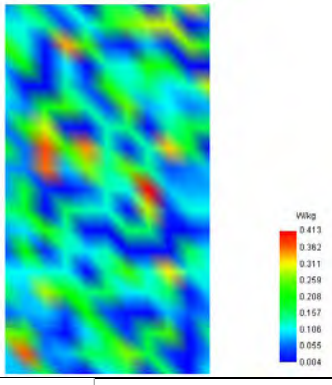
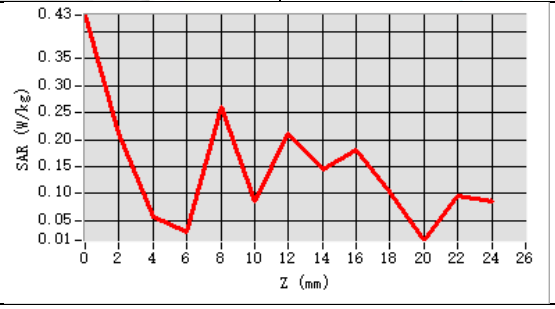
Maximum location: X=-41.00, Y=-38.00 ; SAR Peak: 2.49 W/kg

SURFACE SAR	VOLUME SAR
	
3D screen shot	**Hot spot position**
	
	

Plot 48:

Test Date	2024-08-19
Area Scan	dx=8mm dy=8mm
Zoom Scan	7x7x12,dx=4mm dy=4mm dz=2mm
Phantom	Validation plane
Device Position	Back Side
Band	U-NII-4 ANT 1
Signal	IEEE 802.11a
Frequency	5745
SAR 10g (W/Kg)	0.085
SAR 1g (W/Kg)	0.164
ConvF	1.71
Relative permittivity	35.70
Conductivity (S/m)	5.28

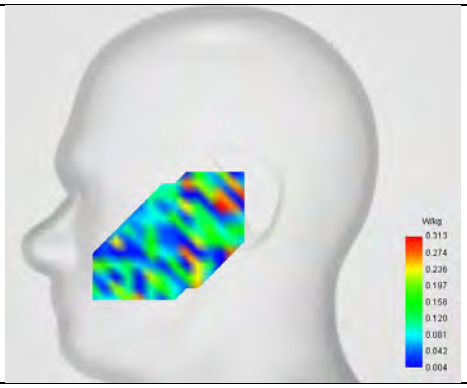
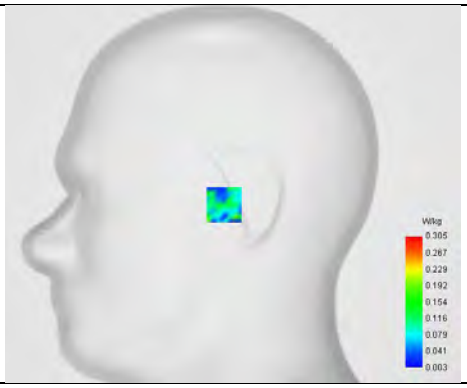
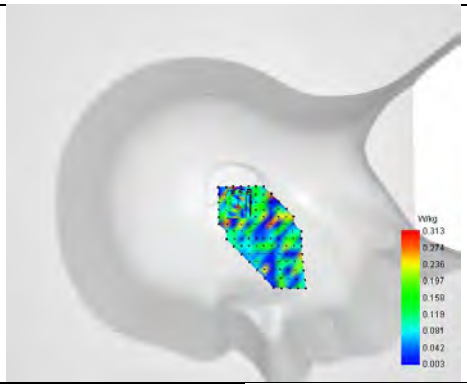
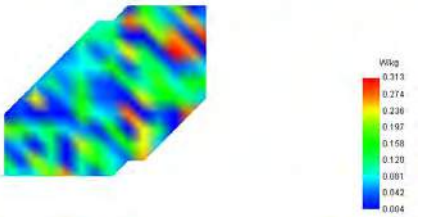
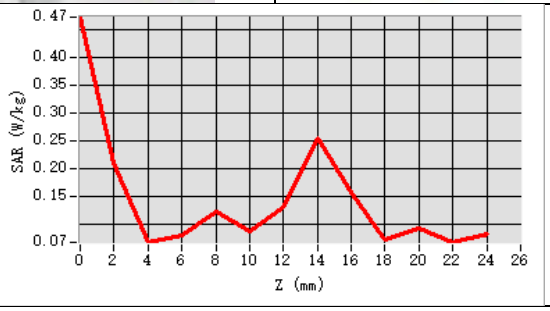
Maximum location: X=16.00, Y=-1.00 ; SAR Peak: 1.35 W/kg

SURFACE SAR	VOLUME SAR
	
3D screen shot	**Hot spot position**
	
	

Plot 49:

Test Date	2024-08-17
Area Scan	dx=8mm dy=8mm
Zoom Scan	7x7x12,dx=4mm dy=4mm dz=2mm
Phantom	Right head
Device Position	Cheek
Band	U-NII-4 ANT 2
Signal	IEEE 802.11a
Frequency	5785
SAR 10g (W/Kg)	0.078
SAR 1g (W/Kg)	0.247
ConvF	1.71
Relative permittivity	35.63
Conductivity (S/m)	5.30

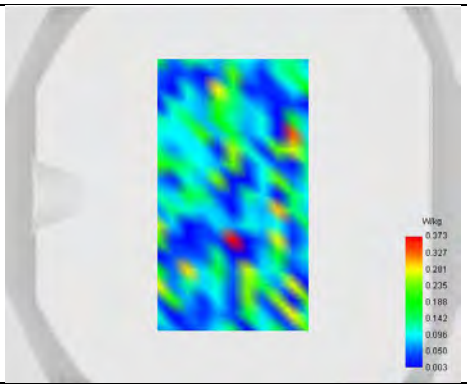
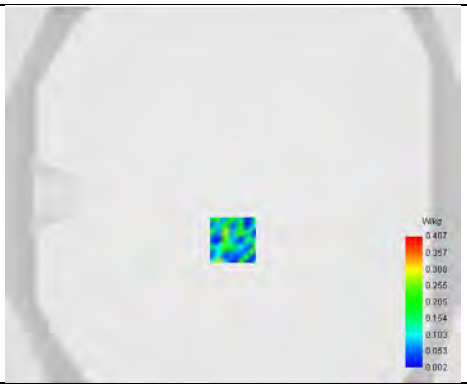
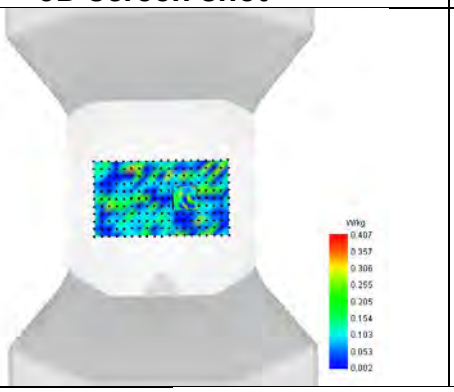
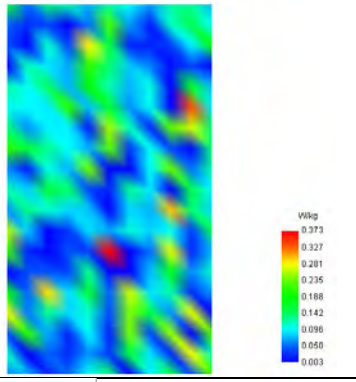
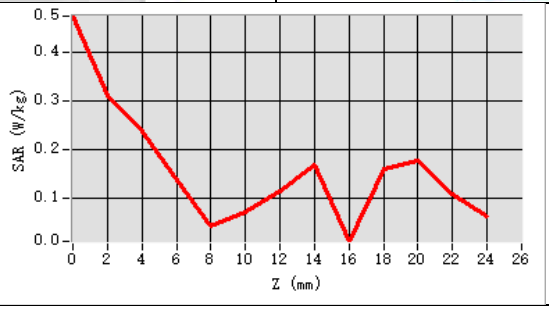
Maximum location: X=-6.00, Y=-7.00 ; SAR Peak: 1.91 W/kg

SURFACE SAR	VOLUME SAR
	
3D screen shot	**Hot spot position**
	
	

Plot 50:

Test Date	2024-08-17
Area Scan	dx=8mm dy=8mm
Zoom Scan	7x7x12,dx=4mm dy=4mm dz=2mm
Phantom	Validation plane
Device Position	Back Side
Band	U-NII-4 ANT 2
Signal	IEEE 802.11a
Frequency	5785
SAR 10g (W/Kg)	0.106
SAR 1g (W/Kg)	0.241
ConvF	1.71
Relative permittivity	35.63
Conductivity (S/m)	5.30

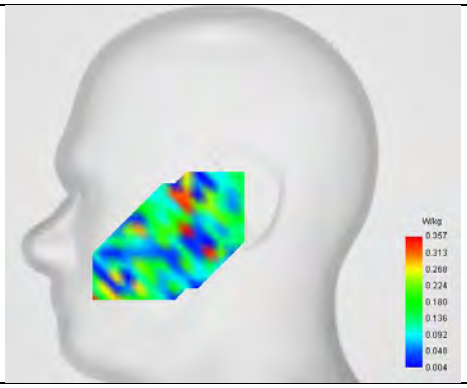
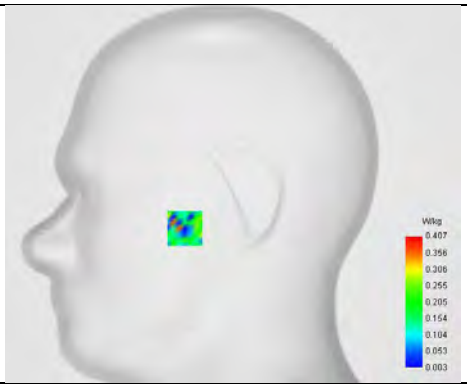
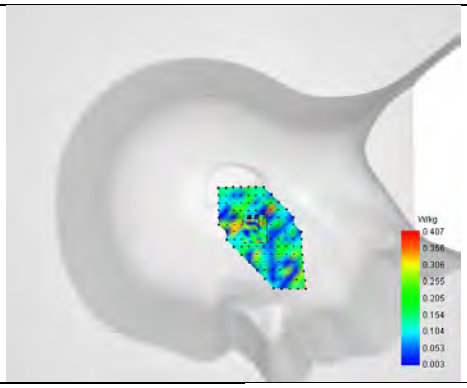
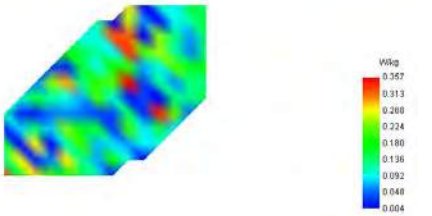
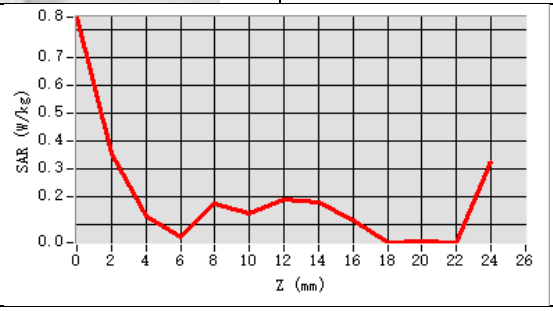
Maximum location: X=0.00, Y=-24.00 ; SAR Peak: 1.70 W/kg

SURFACE SAR	VOLUME SAR
	
3D screen shot	**Hot spot position**
	
	

Plot 51:

Test Date	2024-08-17
Area Scan	dx=8mm dy=8mm
Zoom Scan	7x7x12,dx=4mm dy=4mm dz=2mm
Phantom	Right head
Device Position	Tilt
Band	U-NII-4 MIMO 1
Signal	IEEE 802.11n
Frequency	5785
SAR 10g (W/Kg)	0.151
SAR 1g (W/Kg)	0.393
ConvF	1.71
Relative permittivity	35.63
Conductivity (S/m)	5.30

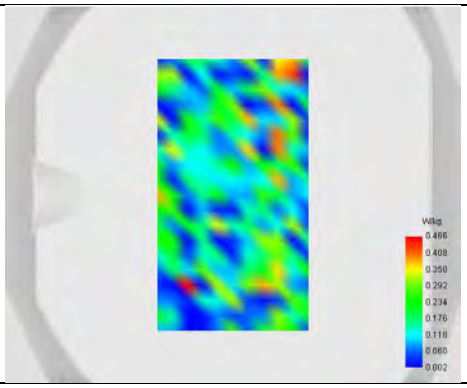
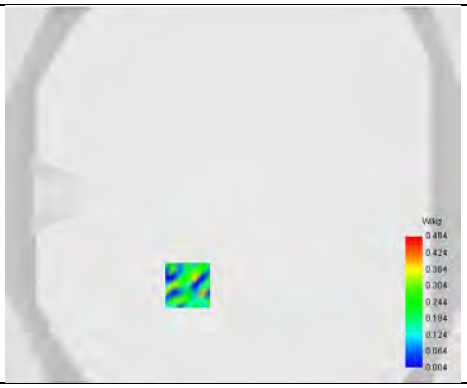
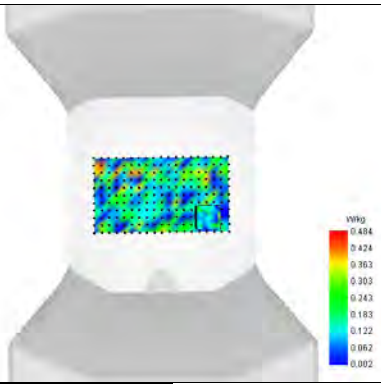
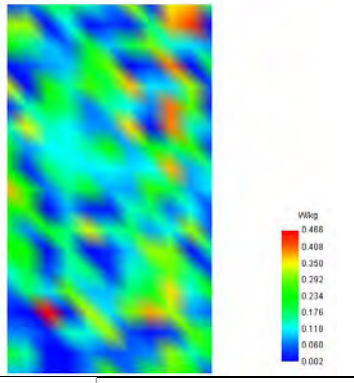
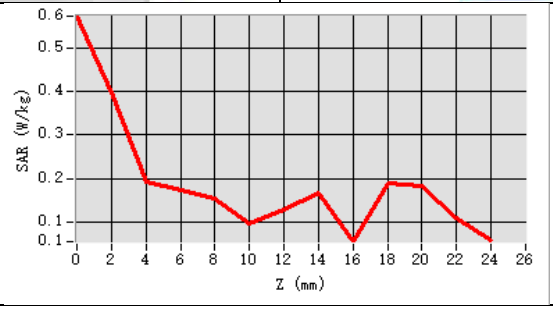
Maximum location: X=-33.00, Y=-23.00 ; SAR Peak: 2.05 W/kg

SURFACE SAR	VOLUME SAR
	
3D screen shot	**Hot spot position**
	
	

Plot 52:

Test Date	2024-08-17
Area Scan	dx=8mm dy=8mm
Zoom Scan	7x7x12,dx=4mm dy=4mm dz=2mm
Phantom	Validation plane
Device Position	Top Side
Band	U-NII-4 MIMO 1
Signal	IEEE 802.11n
Frequency	5785
SAR 10g (W/Kg)	0.120
SAR 1g (W/Kg)	0.158
ConvF	1.71
Relative permittivity	35.63
Conductivity (S/m)	5.30

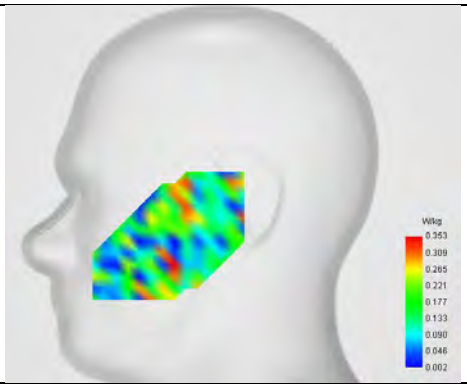
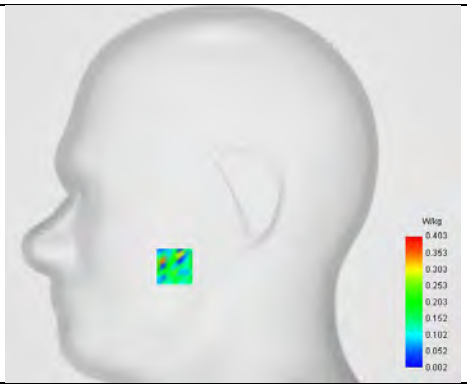
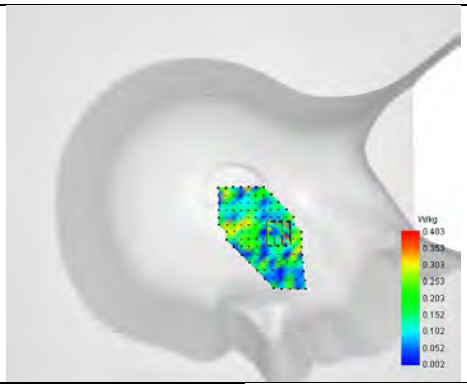
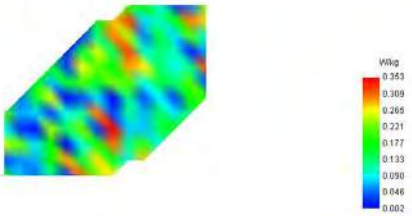
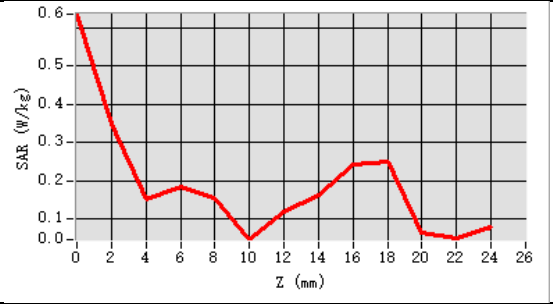
Maximum location: X=-24.00, Y=-48.00 ; SAR Peak: 1.45 W/kg

SURFACE SAR	VOLUME SAR
	
3D screen shot	**Hot spot position**
	
	

Plot 53:

Test Date	2024-08-17
Area Scan	dx=8mm dy=8mm
Zoom Scan	7x7x12,dx=4mm dy=4mm dz=2mm
Phantom	Right head
Device Position	Tilt
Band	U-NII-4 MIMO 2
Signal	IEEE 802.11n
Frequency	5785
SAR 10g (W/Kg)	0.101
SAR 1g (W/Kg)	0.171
ConvF	1.71
Relative permittivity	35.63
Conductivity (S/m)	5.30

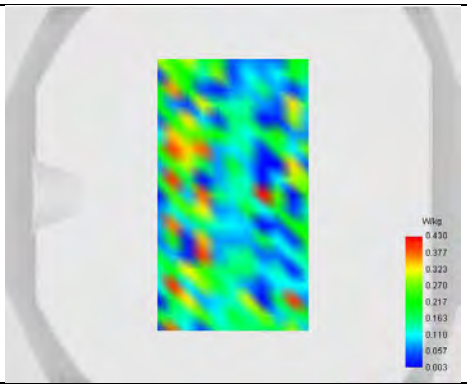
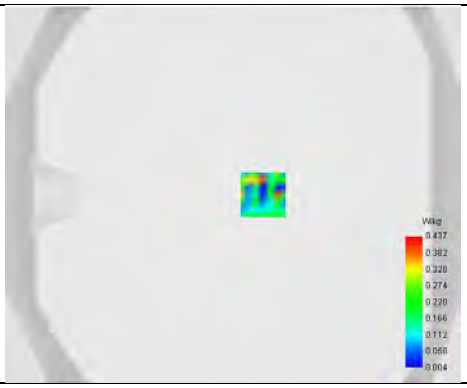
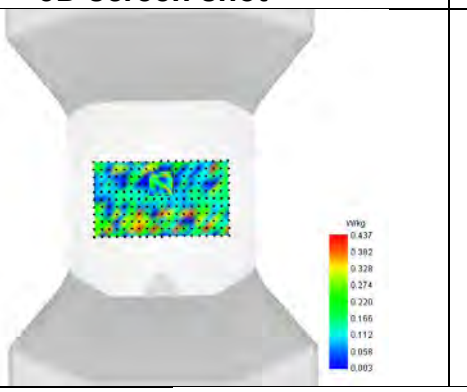
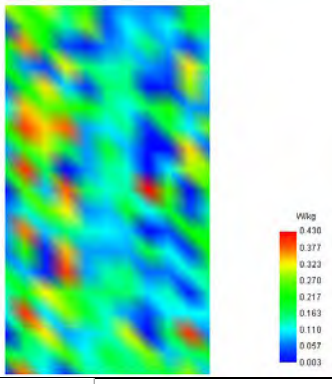
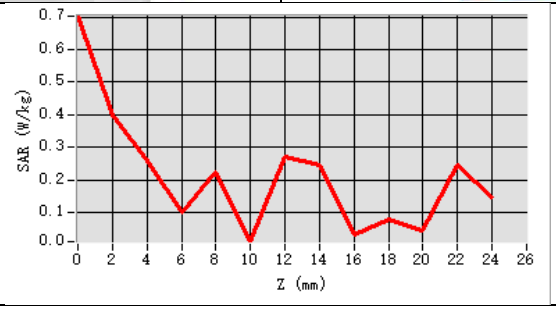
Maximum location: X=-40.00, Y=-49.00 ; SAR Peak: 2.03 W/kg

SURFACE SAR	VOLUME SAR
	
3D screen shot	**Hot spot position**
	
	

Plot 54:

Test Date	2024-08-17
Area Scan	dx=8mm dy=8mm
Zoom Scan	7x7x12,dx=4mm dy=4mm dz=2mm
Phantom	Validation plane
Device Position	Top Side
Band	U-NII-4 MIMO 2
Signal	IEEE 802.11n
Frequency	5785
SAR 10g (W/Kg)	0.122
SAR 1g (W/Kg)	0.209
ConvF	1.71
Relative permittivity	35.63
Conductivity (S/m)	5.30

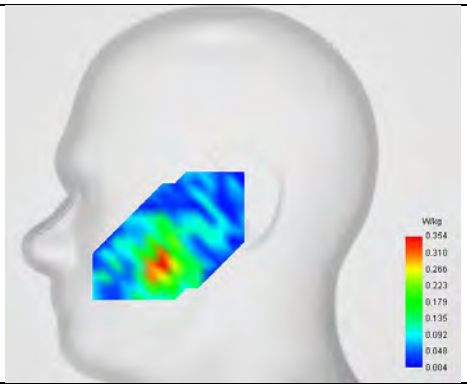
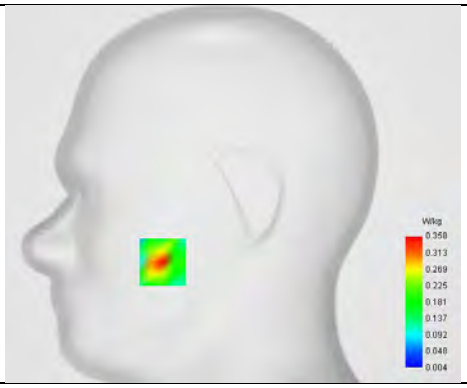
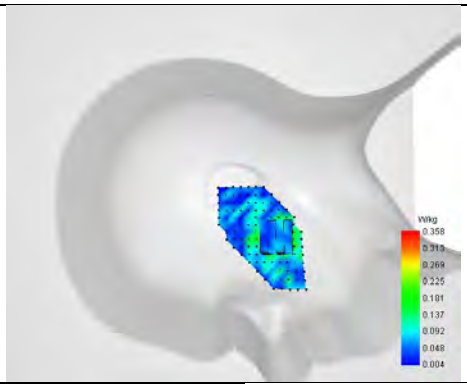
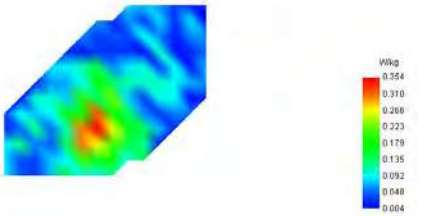
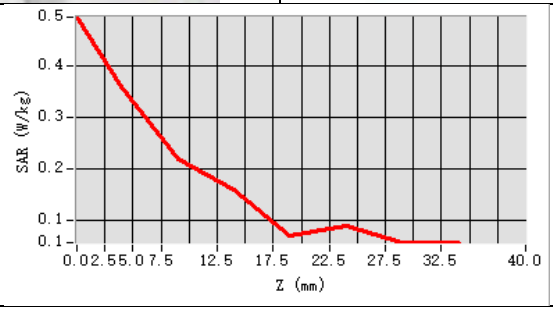
Maximum location: X=16.00, Y=0.00 ; SAR Peak: 1.41 W/kg

SURFACE SAR	VOLUME SAR
	
3D screen shot	**Hot spot position**
	
	

Plot 55:

Test Date	2024-08-09
Area Scan	dx=8mm dy=8mm
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5mm
Phantom	Right head
Device Position	Cheek
Band	LTE band 2
Signal	LTE FDD
Frequency	1900
SAR 10g (W/Kg)	0.165
SAR 1g (W/Kg)	0.313
ConvF	2.24
Relative permittivity	40.92
Conductivity (S/m)	1.43

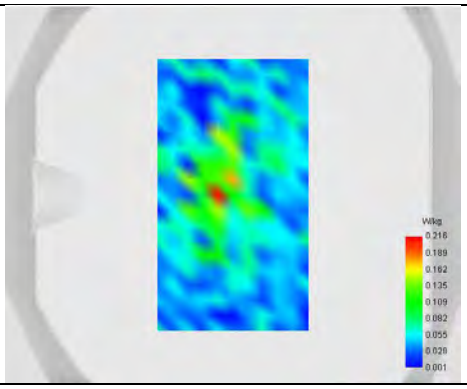
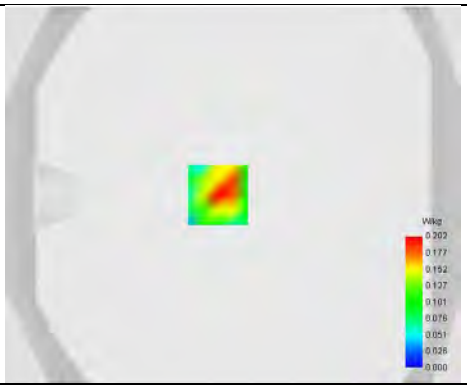
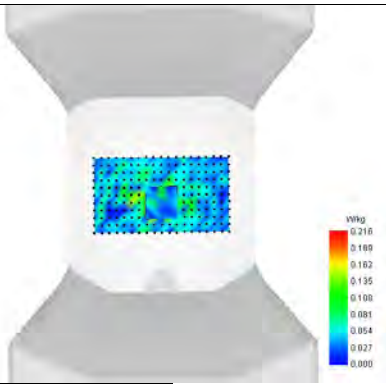
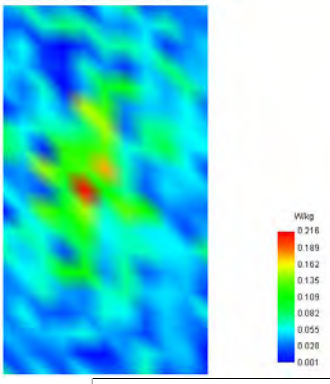
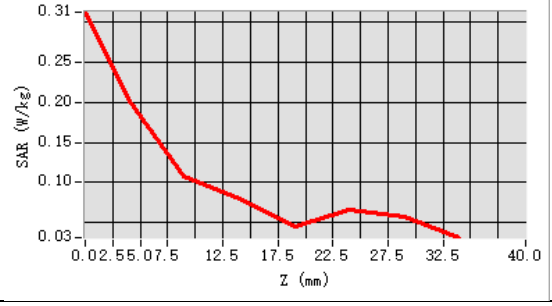
Maximum location: X=-48.00, Y=-46.00 ; SAR Peak: 0.52 W/kg

SURFACE SAR	VOLUME SAR
	
3D screen shot	**Hot spot position**
	
	

Plot 56:

Test Date	2024-08-09
Area Scan	dx=8mm dy=8mm
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5mm
Phantom	Validation plane
Device Position	Bottom Side
Band	LTE band 2
Signal	LTE FDD
Frequency	1900
SAR 10g (W/Kg)	0.090
SAR 1g (W/Kg)	0.188
ConvF	2.24
Relative permittivity	40.92
Conductivity (S/m)	1.43

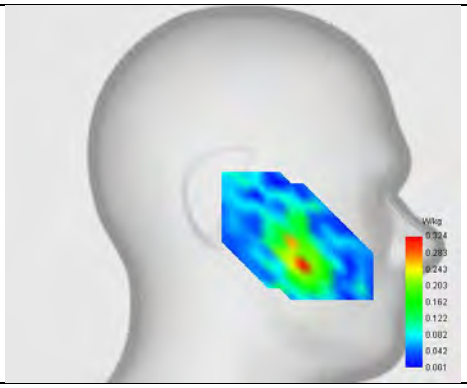
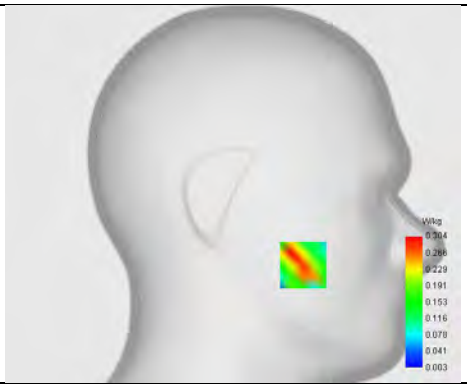
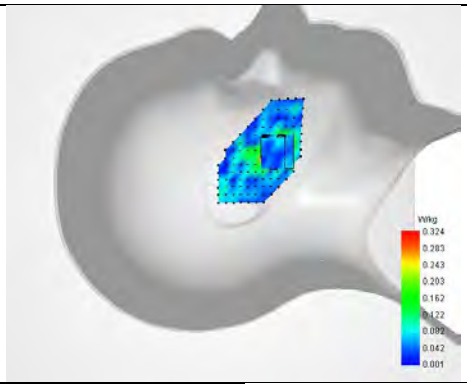
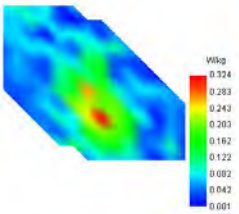
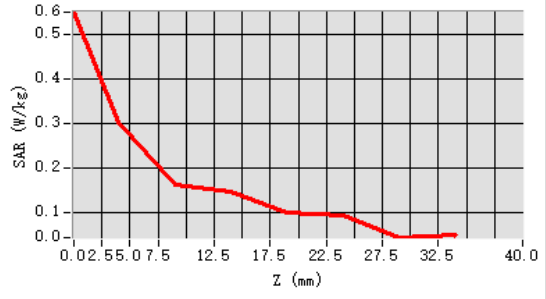
Maximum location: X=-8.00, Y=0.00 ; SAR Peak: 0.36 W/kg

SURFACE SAR	VOLUME SAR
	
3D screen shot	**Hot spot position**
	
	

Plot 57:

Test Date	2024-07-17
Area Scan	dx=8mm dy=8mm
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5mm
Phantom	Left head
Device Position	Cheek
Band	LTE band 4
Signal	LTE FDD
Frequency	1732.5
SAR 10g (W/Kg)	0.137
SAR 1g (W/Kg)	0.272
ConvF	1.91
Relative permittivity	40.80
Conductivity (S/m)	1.41

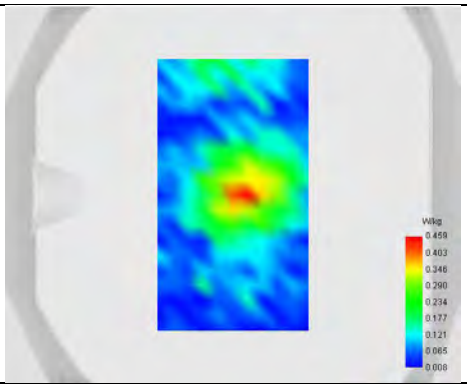
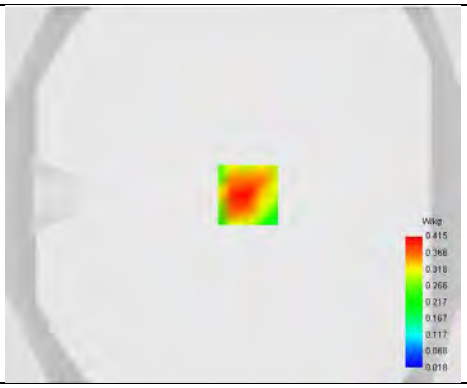
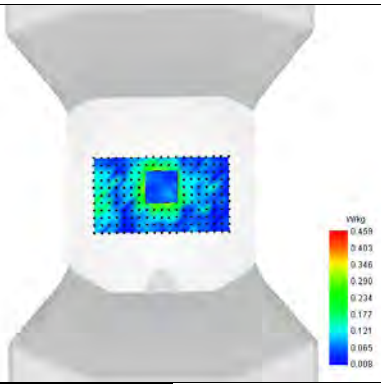
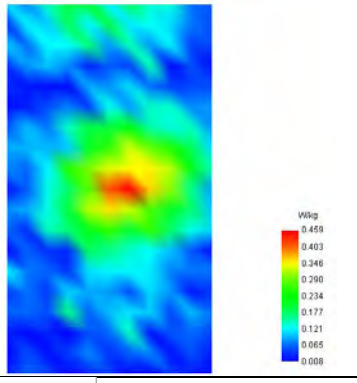
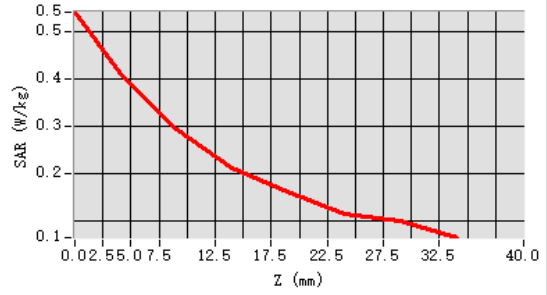
Maximum location: X=-48.00, Y=-48.00 ; SAR Peak: 0.48 W/kg

SURFACE SAR	VOLUME SAR
	
3D screen shot	**Hot spot position**
	
	

Plot 58:

Test Date	2024-07-17
Area Scan	dx=8mm dy=8mm
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5mm
Phantom	Validation plane
Device Position	Back Side
Band	LTE band 4
Signal	LTE FDD
Frequency	1732.5
SAR 10g (W/Kg)	0.251
SAR 1g (W/Kg)	0.397
ConvF	1.91
Relative permittivity	40.80
Conductivity (S/m)	1.41

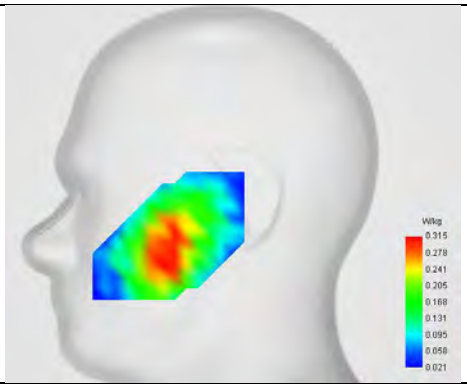
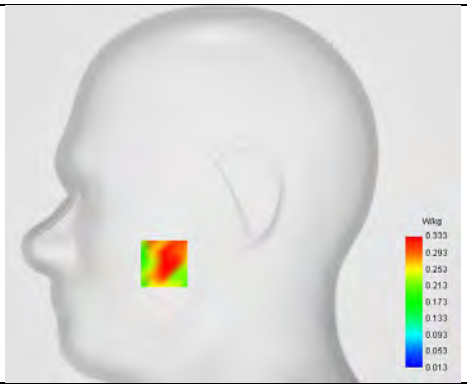
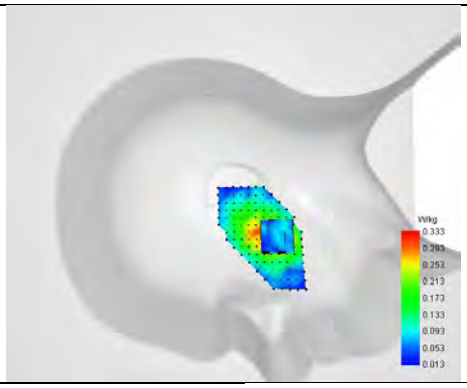
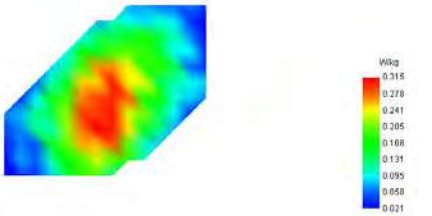
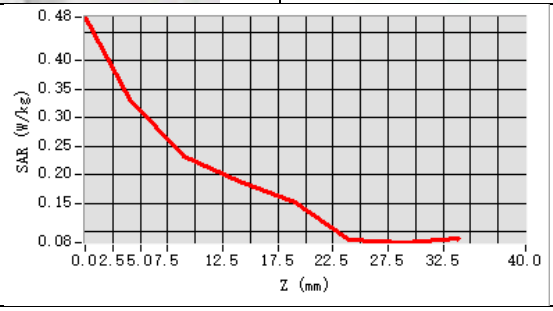
Maximum location: X=8.00, Y=0.00 ; SAR Peak: 0.64 W/kg

SURFACE SAR	VOLUME SAR
	
3D screen shot	**Hot spot position**
	
	

Plot 59:

Test Date	2024-07-15
Area Scan	dx=8mm dy=8mm
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5mm
Phantom	Right head
Device Position	Cheek
Band	LTE band 5
Signal	LTE FDD
Frequency	829
SAR 10g (W/Kg)	0.203
SAR 1g (W/Kg)	0.329
ConvF	1.70
Relative permittivity	40.94
Conductivity (S/m)	0.89

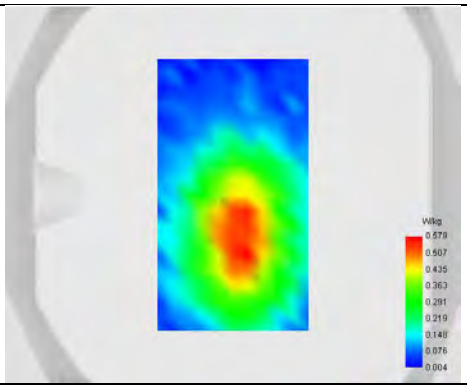
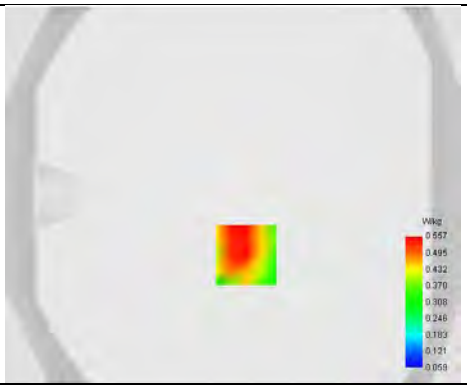
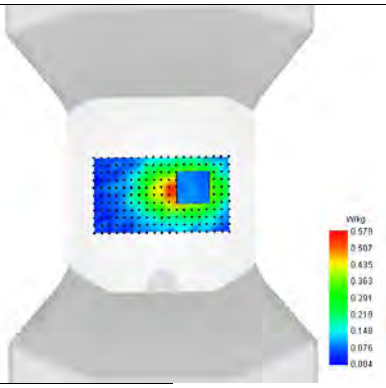
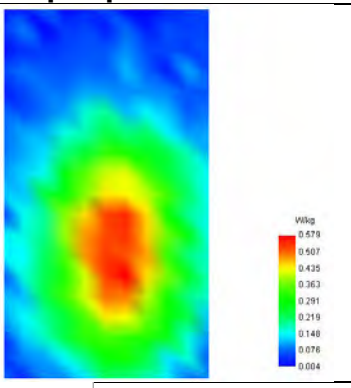
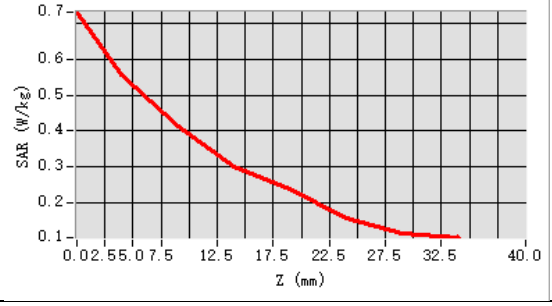
Maximum location: X=-47.00, Y=-47.00 ; SAR Peak: 0.49 W/kg

SURFACE SAR	VOLUME SAR
	
3D screen shot	**Hot spot position**
	
	

Plot 60:

Test Date	2024-07-15
Area Scan	dx=8mm dy=8mm
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5mm
Phantom	Validation plane
Device Position	Right Side
Band	LTE band 5
Signal	LTE FDD
Frequency	829
SAR 10g (W/Kg)	0.304
SAR 1g (W/Kg)	0.546
ConvF	1.70
Relative permittivity	40.94
Conductivity (S/m)	0.89

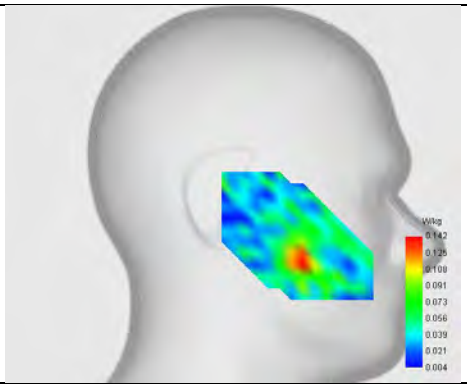
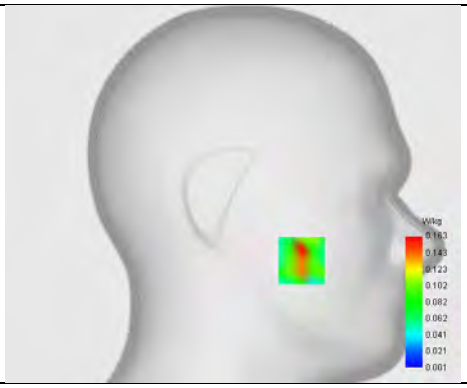
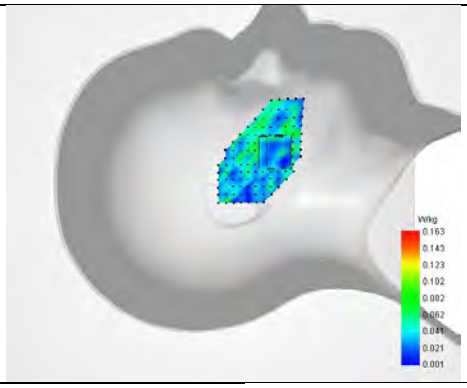
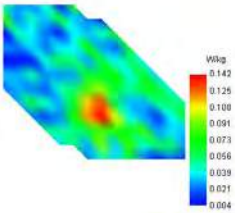
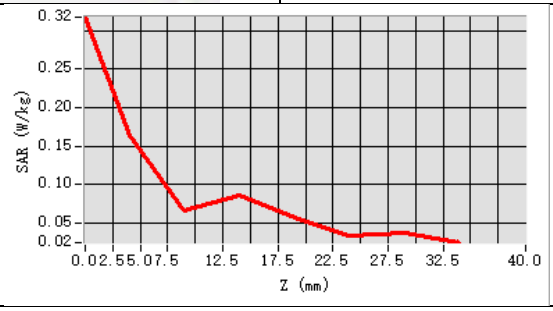
Maximum location: X=7.00, Y=-32.00 ; SAR Peak: 0.84 W/kg

SURFACE SAR	VOLUME SAR
	
3D screen shot	**Hot spot position**
	
	

Plot 61:

Test Date	2024-07-19
Area Scan	dx=8mm dy=8mm
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5mm
Phantom	Left head
Device Position	Cheek
Band	LTE band 7
Signal	LTE FDD
Frequency	2510
SAR 10g (W/Kg)	0.082
SAR 1g (W/Kg)	0.166
ConvF	2.35
Relative permittivity	40.38
Conductivity (S/m)	1.97

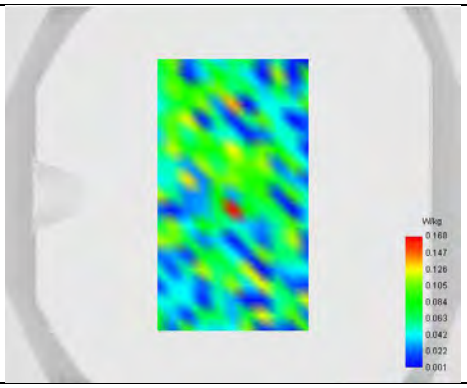
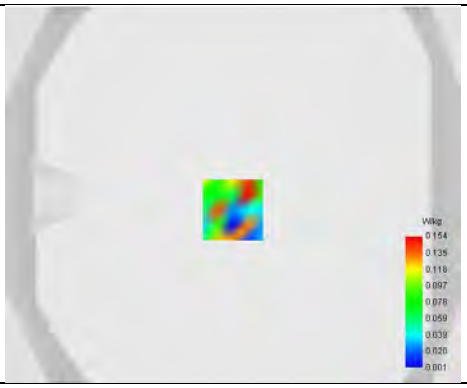
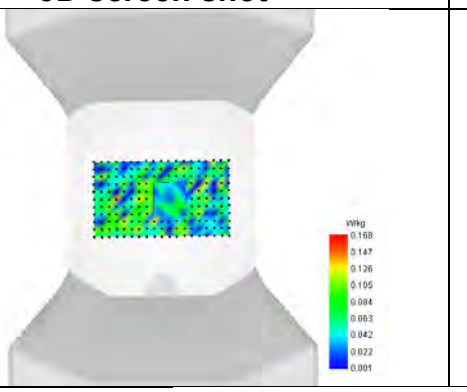
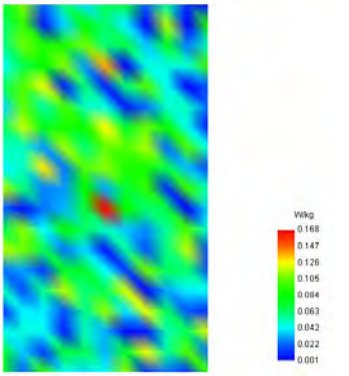
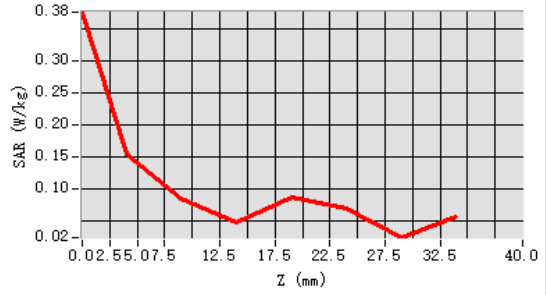
Maximum location: X=-47.00, Y=-45.00 ; SAR Peak: 0.35 W/kg

SURFACE SAR	VOLUME SAR
	
3D screen shot	**Hot spot position**
	
	

Plot 62:

Test Date	2024-07-19
Area Scan	dx=8mm dy=8mm
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5mm
Phantom	Validation plane
Device Position	Bottom Side
Band	LTE band 7
Signal	LTE FDD
Frequency	2510
SAR 10g (W/Kg)	0.065
SAR 1g (W/Kg)	0.165
ConvF	2.35
Relative permittivity	40.38
Conductivity (S/m)	1.97

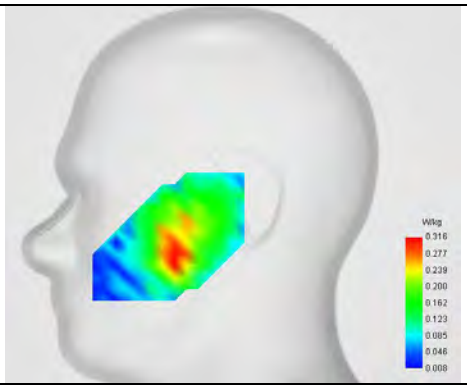
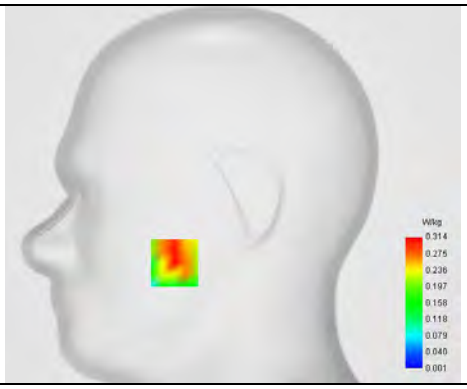
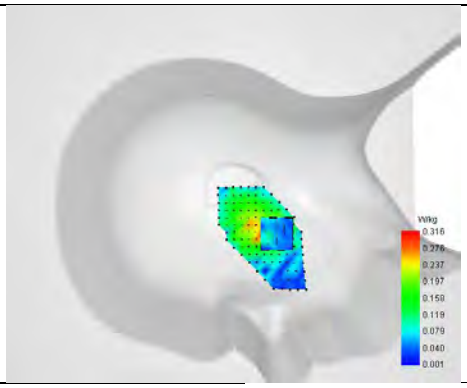
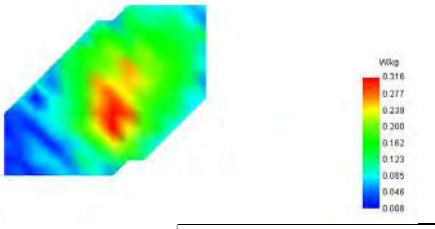
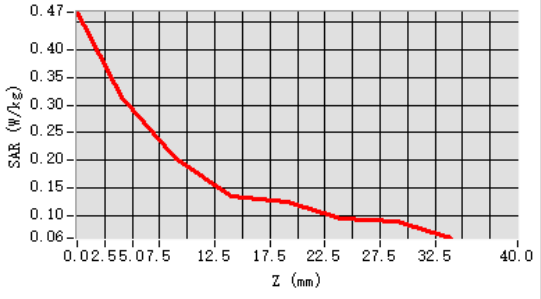
Maximum location: X=0.00, Y=-8.00 ; SAR Peak: 0.41 W/kg

SURFACE SAR	VOLUME SAR
	
3D screen shot	**Hot spot position**
	
	

Plot 63:

Test Date	2024-07-14
Area Scan	dx=8mm dy=8mm
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5mm
Phantom	Right head
Device Position	Cheek
Band	LTE band 12
Signal	LTE FDD
Frequency	782
SAR 10g (W/Kg)	0.191
SAR 1g (W/Kg)	0.327
ConvF	1.68
Relative permittivity	41.68
Conductivity (S/m)	0.88

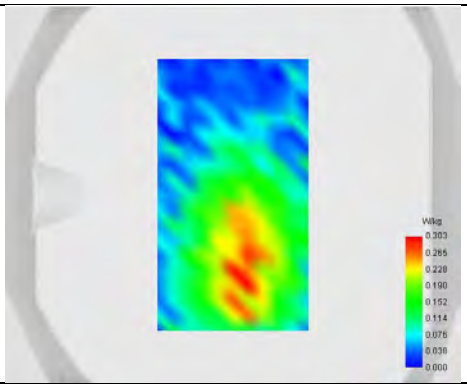
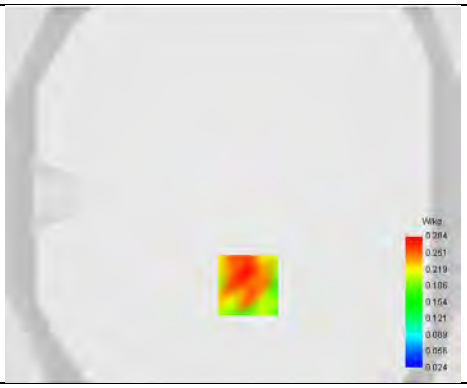
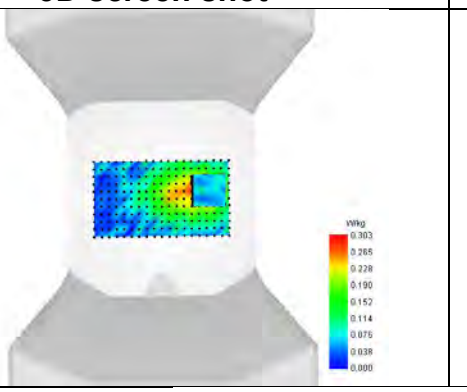
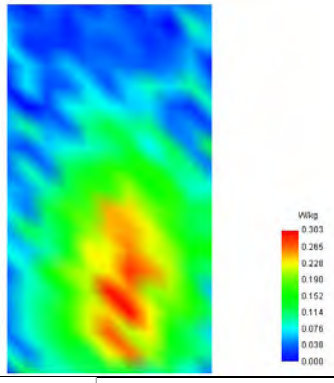
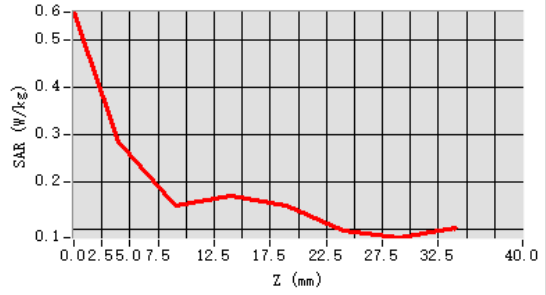
Maximum location: X=-40.00, Y=-46.00 ; SAR Peak: 0.50 W/kg

SURFACE SAR	VOLUME SAR
	
3D screen shot	**Hot spot position**
	
	

Plot 64:

Test Date	2024-07-14
Area Scan	dx=8mm dy=8mm
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5mm
Phantom	Validation plane
Device Position	Right Side
Band	LTE band 12
Signal	LTE FDD
Frequency	782
SAR 10g (W/Kg)	0.157
SAR 1g (W/Kg)	0.280
ConvF	1.68
Relative permittivity	41.68
Conductivity (S/m)	0.88

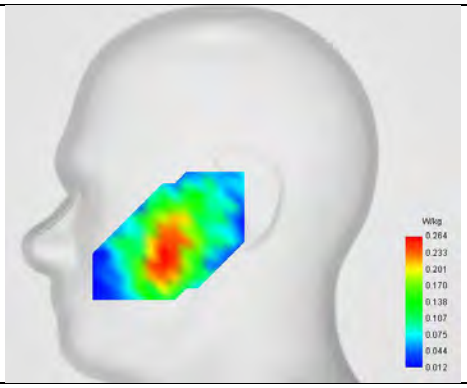
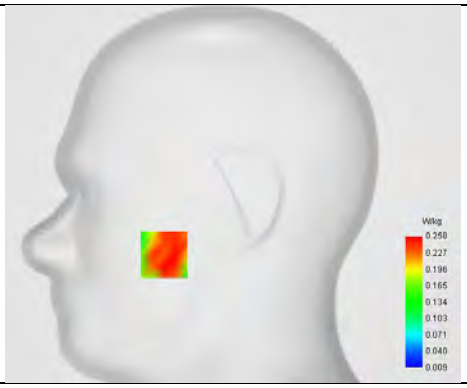
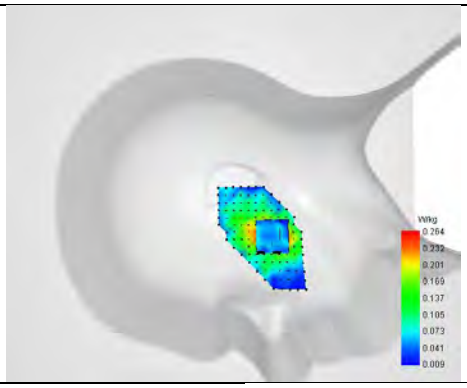
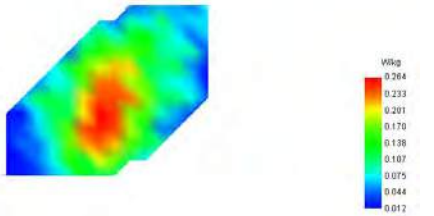
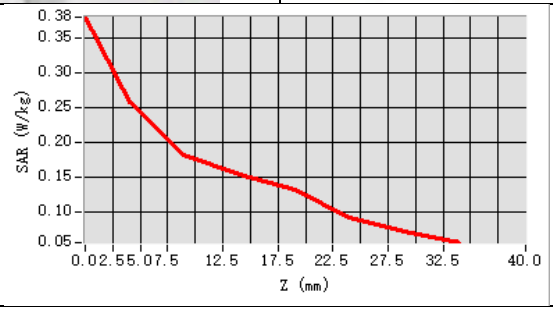
Maximum location: X=8.00, Y=-48.00 ; SAR Peak: 0.45 W/kg

SURFACE SAR	VOLUME SAR
	
3D screen shot	**Hot spot position**
	
	

Plot 65:

Test Date	2024-07-14
Area Scan	dx=8mm dy=8mm
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5mm
Phantom	Right head
Device Position	Cheek
Band	LTE band 13
Signal	LTE FDD
Frequency	782
SAR 10g (W/Kg)	0.159
SAR 1g (W/Kg)	0.266
ConvF	1.68
Relative permittivity	41.68
Conductivity (S/m)	0.88

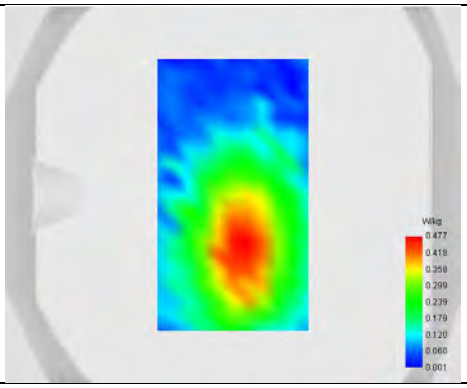
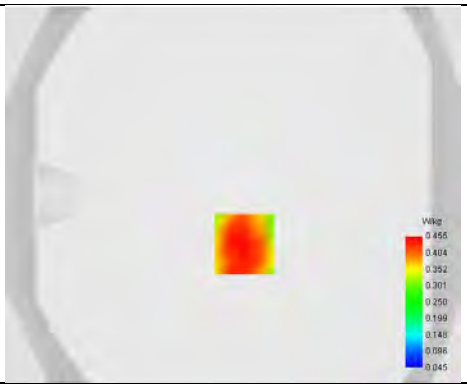
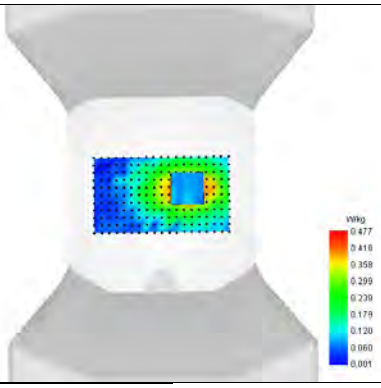
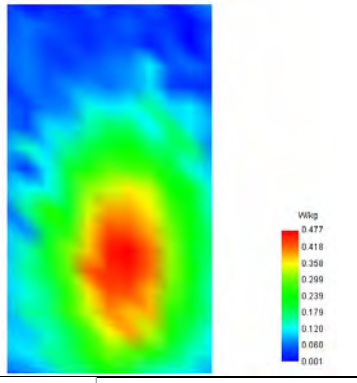
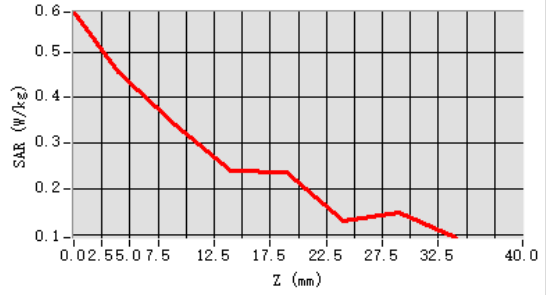
Maximum location: X=-47.00, Y=-41.00 ; SAR Peak: 0.43 W/kg

SURFACE SAR	VOLUME SAR
	
3D screen shot	**Hot spot position**
	
	

Plot 66:

Test Date	2024-07-14
Area Scan	dx=8mm dy=8mm
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5mm
Phantom	Validation plane
Device Position	Right Side
Band	LTE band 13
Signal	LTE FDD
Frequency	782
SAR 10g (W/Kg)	0.307
SAR 1g (W/Kg)	0.467
ConvF	1.68
Relative permittivity	41.68
Conductivity (S/m)	0.88

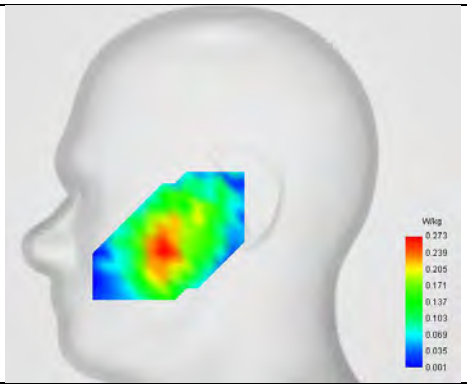
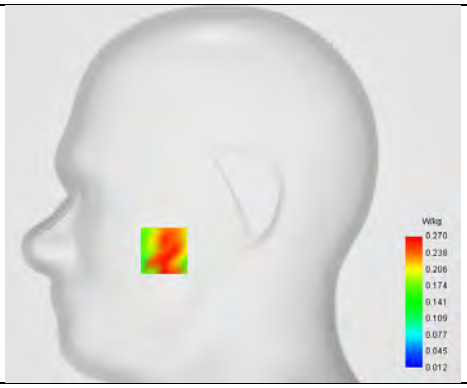
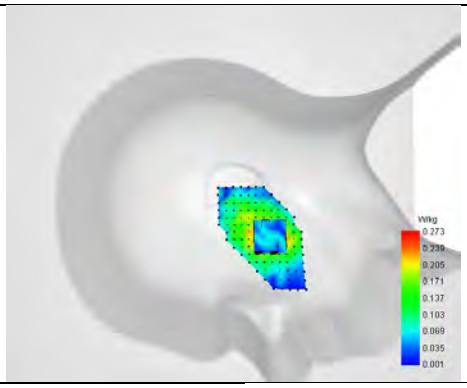
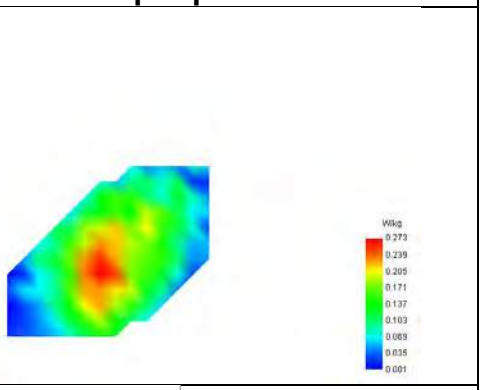
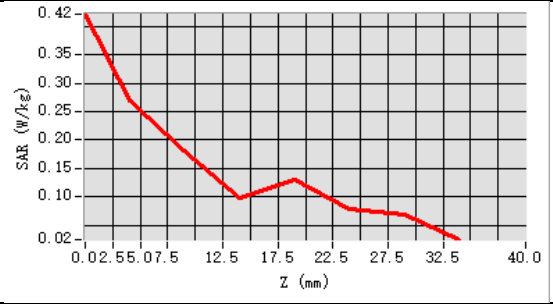
Maximum location: X=6.00, Y=-26.00 ; SAR Peak: 0.68 W/kg

SURFACE SAR	VOLUME SAR
	
3D screen shot	**Hot spot position**
	
	

Plot 67:

Test Date	2024-07-14
Area Scan	dx=8mm dy=8mm
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5mm
Phantom	Right head
Device Position	Cheek
Band	LTE band 17
Signal	LTE FDD
Frequency	709
SAR 10g (W/Kg)	0.168
SAR 1g (W/Kg)	0.261
ConvF	1.68
Relative permittivity	41.68
Conductivity (S/m)	0.88

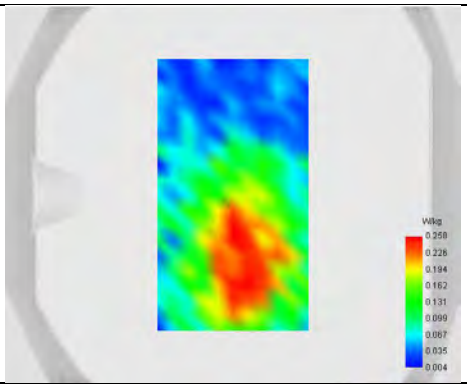
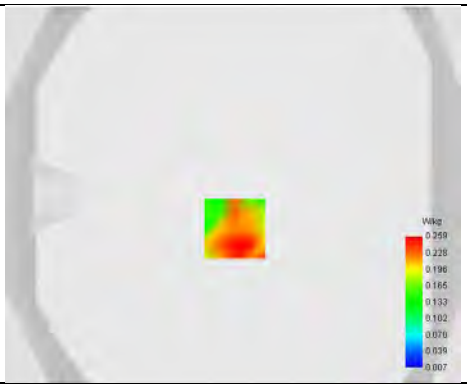
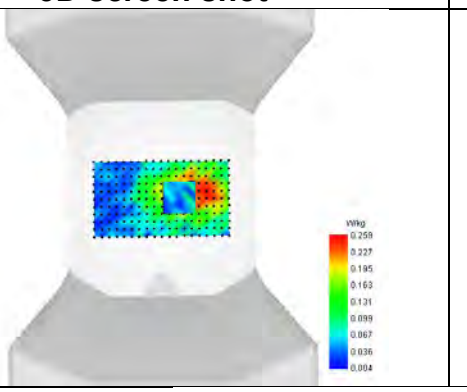
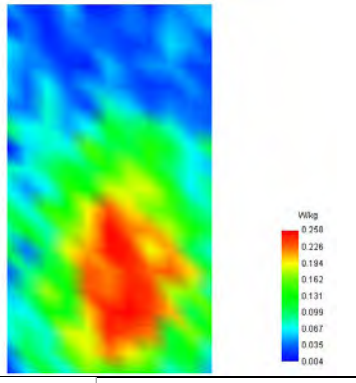
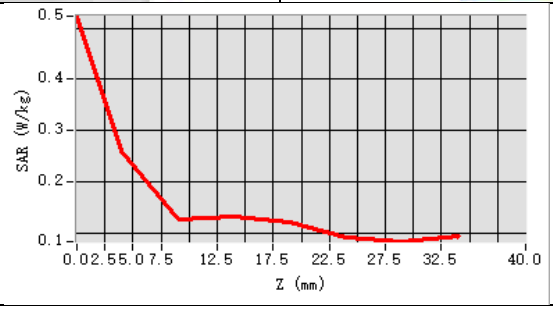
Maximum location: X=-47.00, Y=-38.00 ; SAR Peak: 0.43 W/kg

SURFACE SAR	VOLUME SAR
	
3D screen shot	**Hot spot position**
	
	

Plot 68:

Test Date	2024-07-14
Area Scan	dx=8mm dy=8mm
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5mm
Phantom	Validation plane
Device Position	Right Side
Band	LTE band 17
Signal	LTE FDD
Frequency	709
SAR 10g (W/Kg)	0.150
SAR 1g (W/Kg)	0.267
ConvF	1.68
Relative permittivity	41.68
Conductivity (S/m)	0.88

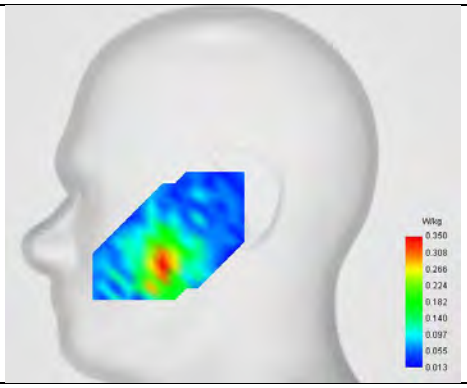
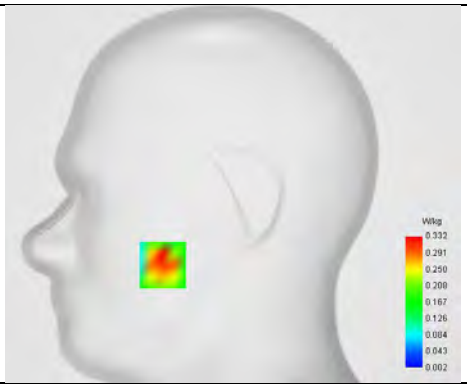
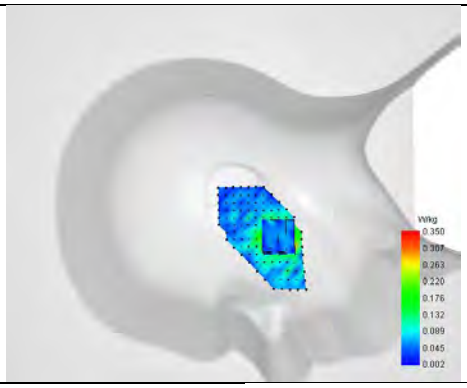
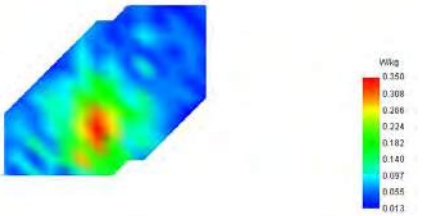
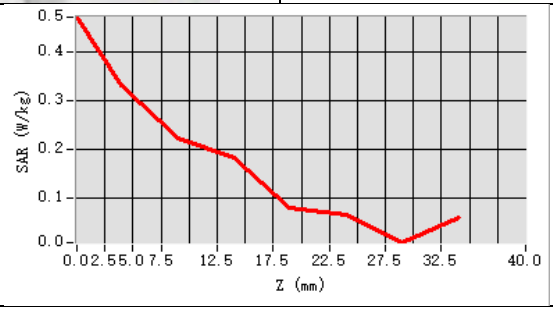
Maximum location: X=1.00, Y=-18.00 ; SAR Peak: 0.45 W/kg

SURFACE SAR	VOLUME SAR
	
3D screen shot	**Hot spot position**
	
	

Plot 69:

Test Date	2024-07-18
Area Scan	dx=8mm dy=8mm
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5mm
Phantom	Right head
Device Position	Cheek
Band	LTE band 25
Signal	LTE FDD
Frequency	1905
SAR 10g (W/Kg)	0.179
SAR 1g (W/Kg)	0.325
ConvF	2.24
Relative permittivity	40.45
Conductivity (S/m)	1.43

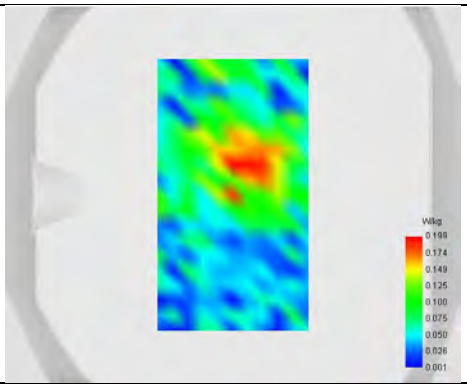
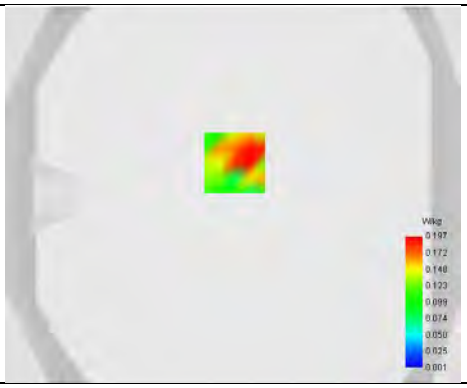
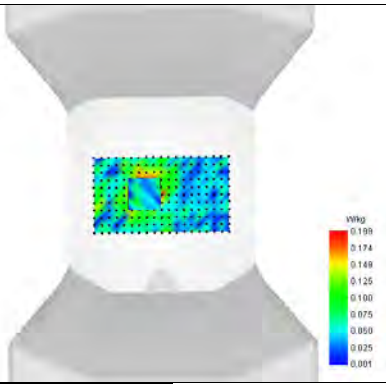
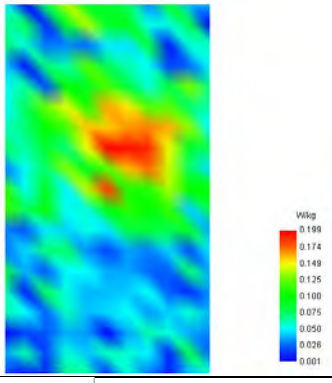
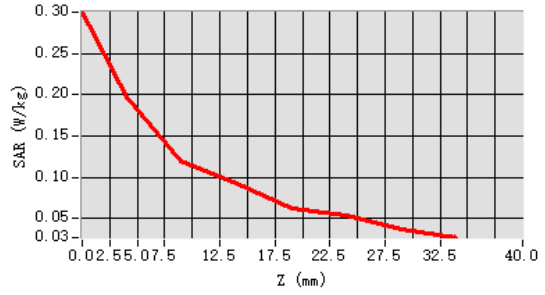
Maximum location: X=-48.00, Y=-48.00 ; SAR Peak: 0.58 W/kg

SURFACE SAR	VOLUME SAR
	
3D screen shot	**Hot spot position**
	
	

Plot 70:

Test Date	2024-07-18
Area Scan	dx=8mm dy=8mm
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5mm
Phantom	Validation plane
Device Position	Bottom Side
Band	LTE band 25
Signal	LTE FDD
Frequency	1905
SAR 10g (W/Kg)	0.116
SAR 1g (W/Kg)	0.208
ConvF	2.24
Relative permittivity	40.45
Conductivity (S/m)	1.43

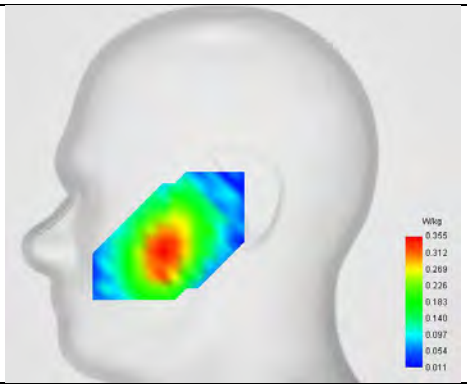
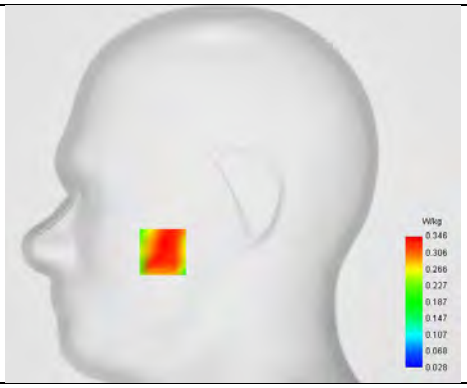
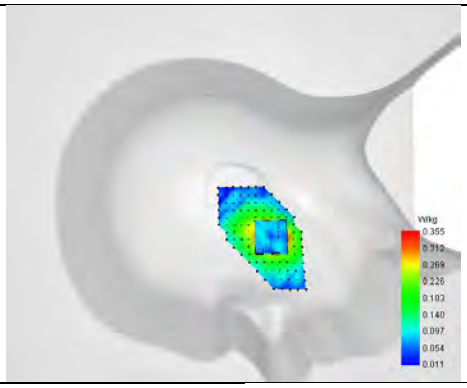
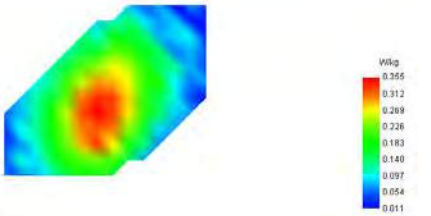
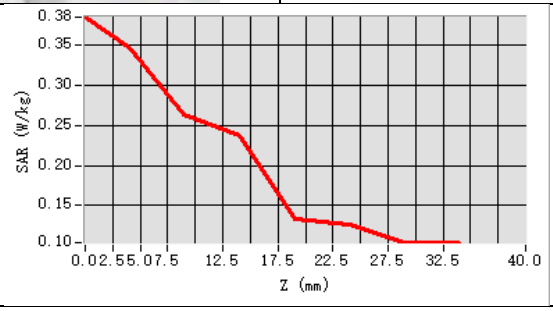
Maximum location: X=1.00, Y=17.00 ; SAR Peak: 0.42 W/kg

SURFACE SAR	VOLUME SAR
	
3D screen shot	**Hot spot position**
	
	

Plot 71:

Test Date	2024-07-15
Area Scan	dx=8mm dy=8mm
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5mm
Phantom	Right head
Device Position	Cheek
Band	LTE band 26
Signal	LTE FDD
Frequency	831.5
SAR 10g (W/Kg)	0.244
SAR 1g (W/Kg)	0.348
ConvF	1.70
Relative permittivity	40.94
Conductivity (S/m)	0.89

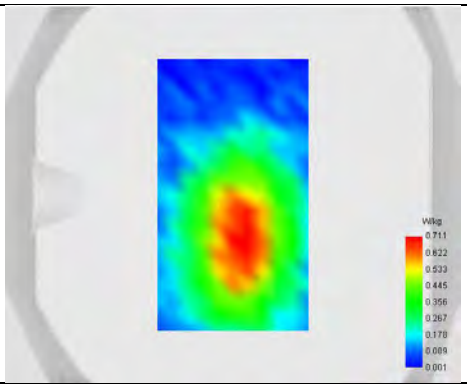
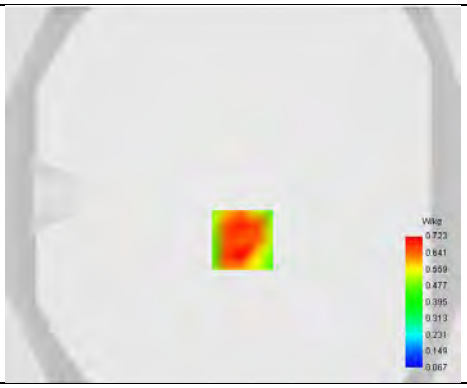
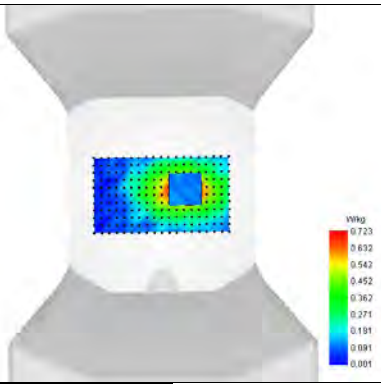
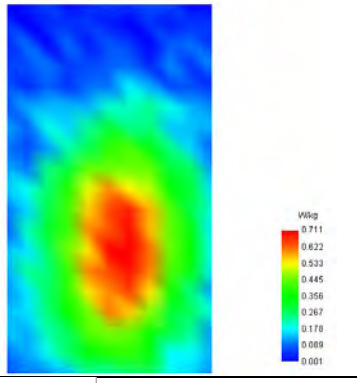
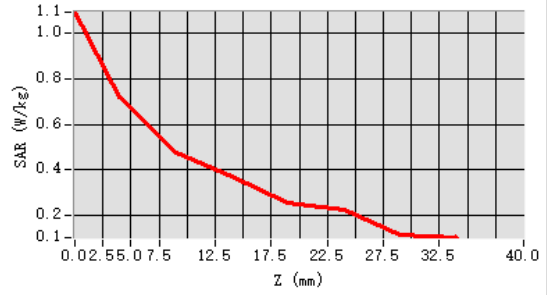
Maximum location: X=-48.00, Y=-39.00 ; SAR Peak: 0.49 W/kg

SURFACE SAR	VOLUME SAR
	
3D screen shot	**Hot spot position**
	
	

Plot 72:

Test Date	2024-07-15
Area Scan	dx=8mm dy=8mm
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5mm
Phantom	Validation plane
Device Position	Right Side
Band	LTE band 26
Signal	LTE FDD
Frequency	831.5
SAR 10g (W/Kg)	0.440
SAR 1g (W/Kg)	0.700
ConvF	1.70
Relative permittivity	40.94
Conductivity (S/m)	0.89

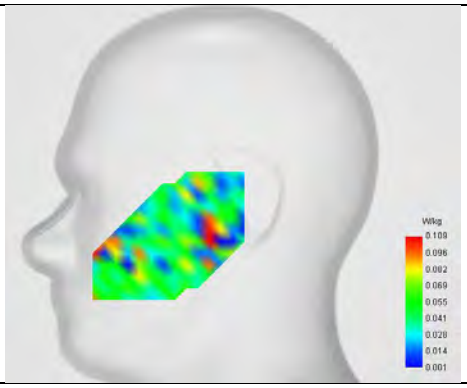
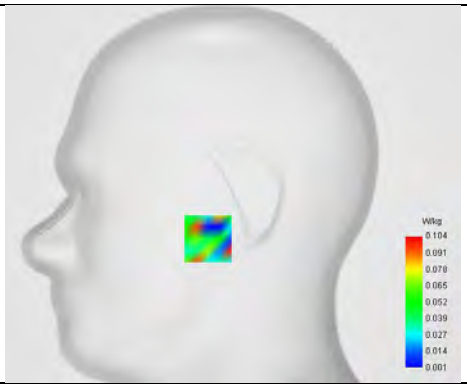
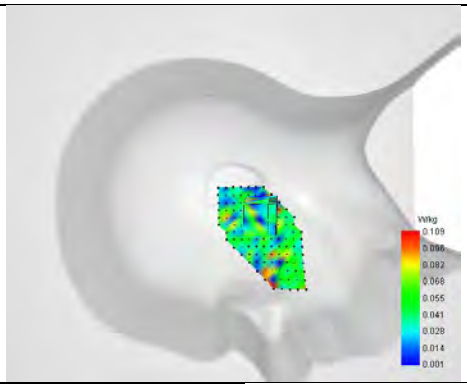
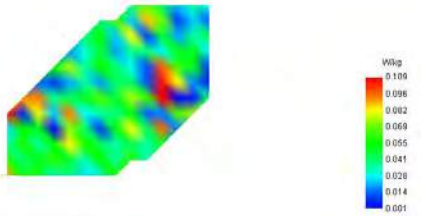
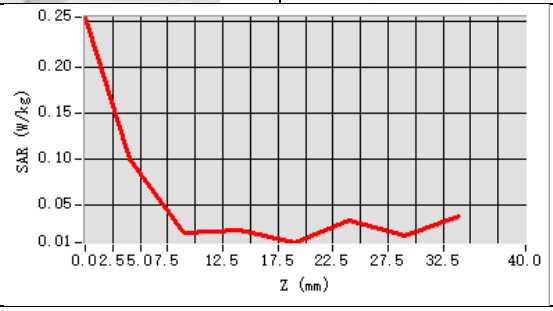
Maximum location: X=5.00, Y=-24.00 ; SAR Peak: 1.08 W/kg

SURFACE SAR	VOLUME SAR
	
3D screen shot	**Hot spot position**
	
	

Plot 73:

Test Date	2024-08-08
Area Scan	dx=8mm dy=8mm
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5mm
Phantom	Right head
Device Position	Cheek
Band	LTE band 38
Signal	LTE TDD
Frequency	2595
SAR 10g (W/Kg)	0.048
SAR 1g (W/Kg)	0.117
ConvF	2.35
Relative permittivity	39.47
Conductivity (S/m)	1.99

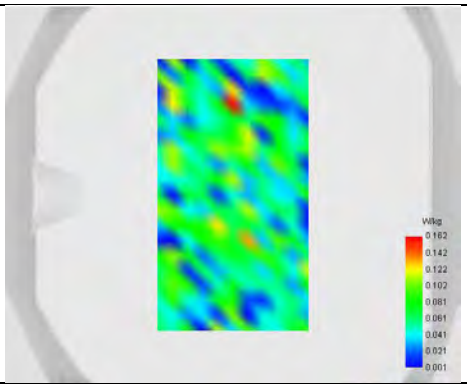
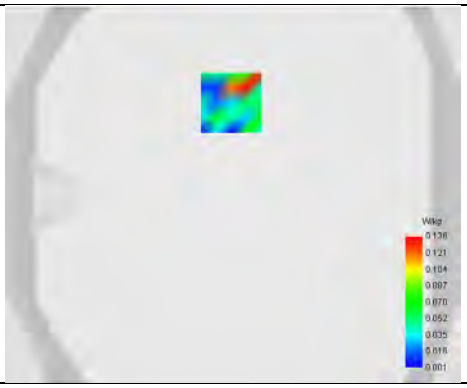
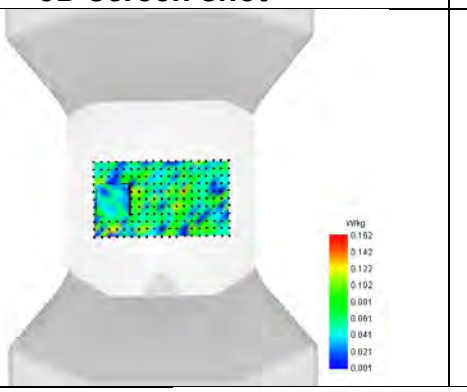
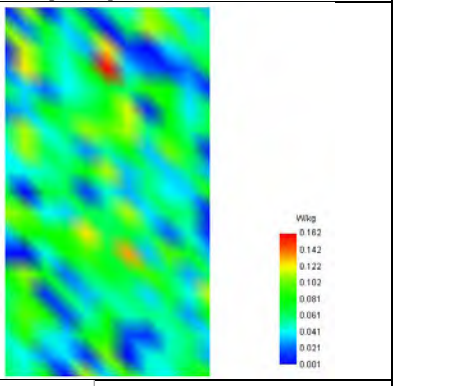
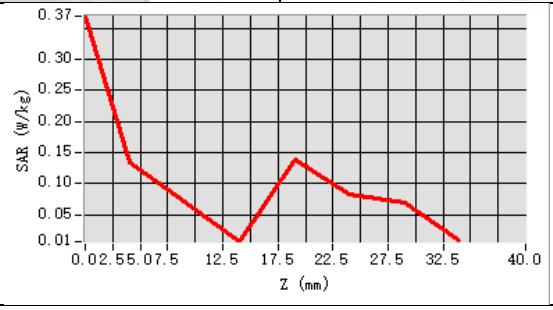
Maximum location: X=-17.00, Y=-30.00 ; SAR Peak: 0.36 W/kg

SURFACE SAR	VOLUME SAR
	
3D screen shot	**Hot spot position**
	
	

Plot 74:

Test Date	2024-08-08
Area Scan	dx=8mm dy=8mm
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5mm
Phantom	Validation plane
Device Position	Back Side
Band	LTE band 38
Signal	LTE TDD
Frequency	2595
SAR 10g (W/Kg)	0.066
SAR 1g (W/Kg)	0.171
ConvF	2.35
Relative permittivity	39.47
Conductivity (S/m)	1.99

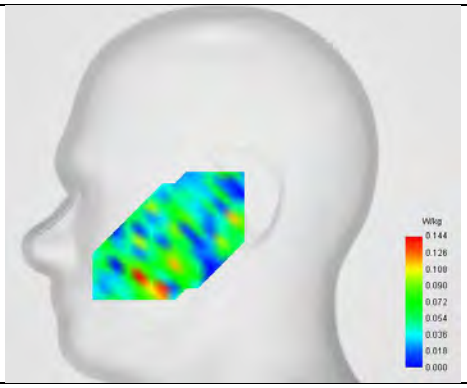
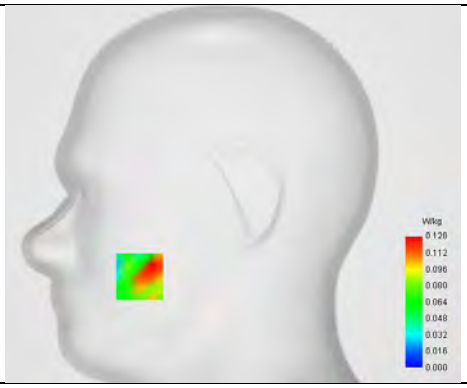
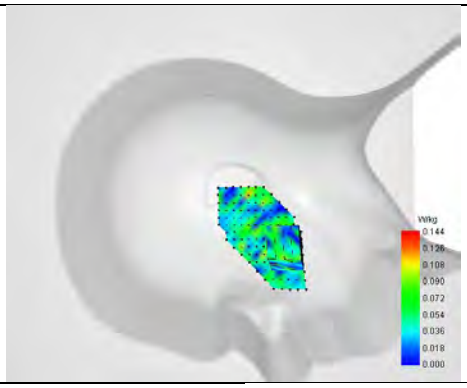
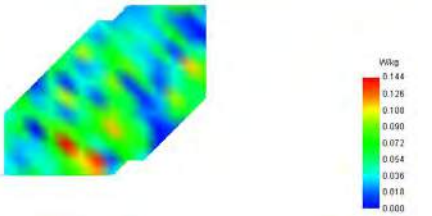
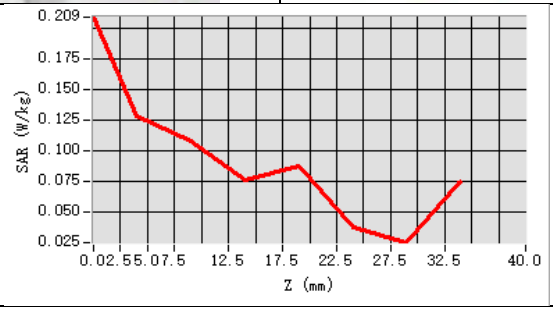
Maximum location: X=-1.00, Y=49.00 ; SAR Peak: 0.51 W/kg

SURFACE SAR	VOLUME SAR
	
3D screen shot	**Hot spot position**
	
	

Plot 75:

Test Date	2024-08-12
Area Scan	dx=8mm dy=8mm
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5mm
Phantom	Right head
Device Position	Cheek
Band	LTE band 40
Signal	LTE TDD
Frequency	2310
SAR 10g (W/Kg)	0.080
SAR 1g (W/Kg)	0.159
ConvF	2.31
Relative permittivity	39.42
Conductivity (S/m)	1.65

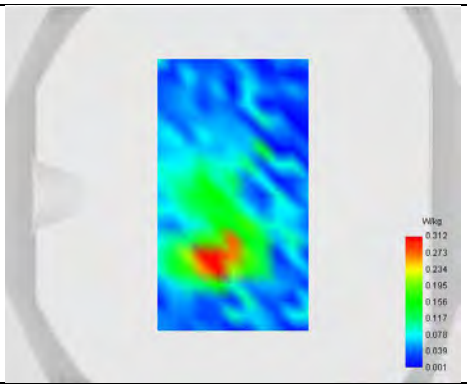
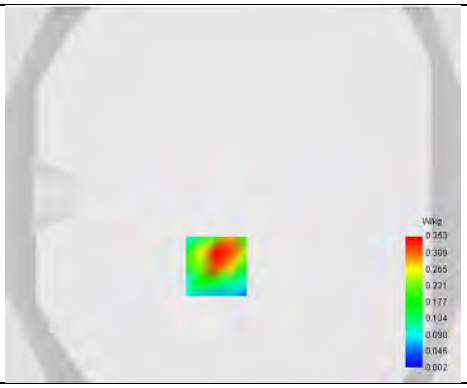
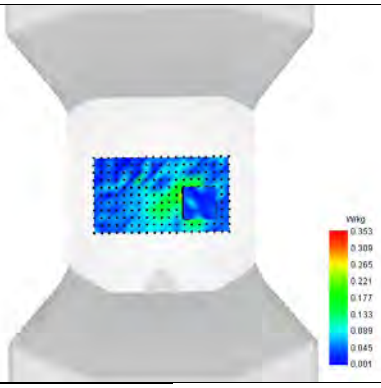
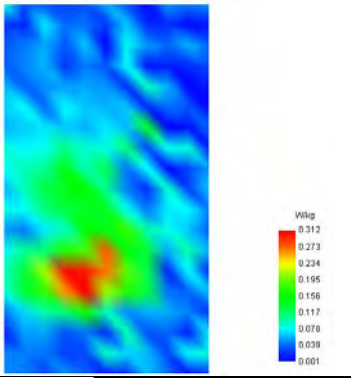
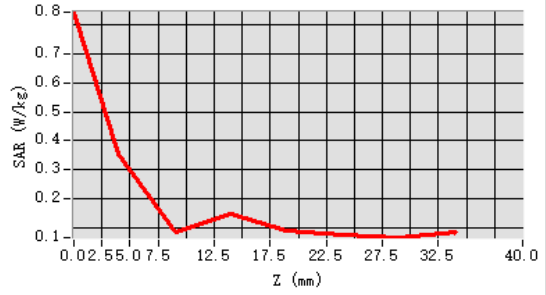
Maximum location: X=-64.00, Y=-56.00 ; SAR Peak: 0.36 W/kg

SURFACE SAR	VOLUME SAR
	
3D screen shot	**Hot spot position**
	
	

Plot 76:

Test Date	2024-08-12
Area Scan	dx=8mm dy=8mm
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5mm
Phantom	Validation plane
Device Position	Back Side
Band	LTE band 40
Signal	LTE TDD
Frequency	2310
SAR 10g (W/Kg)	0.174
SAR 1g (W/Kg)	0.329
ConvF	2.31
Relative permittivity	39.42
Conductivity (S/m)	1.65

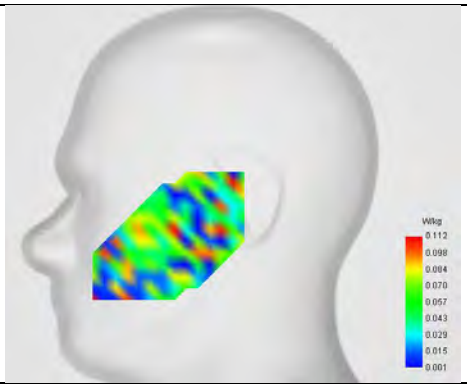
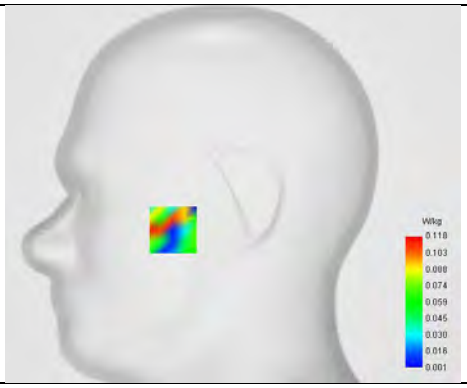
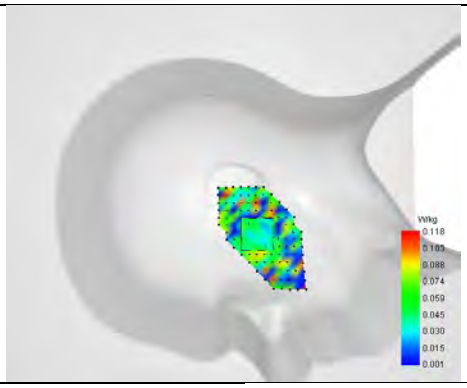
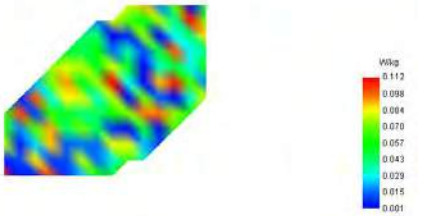
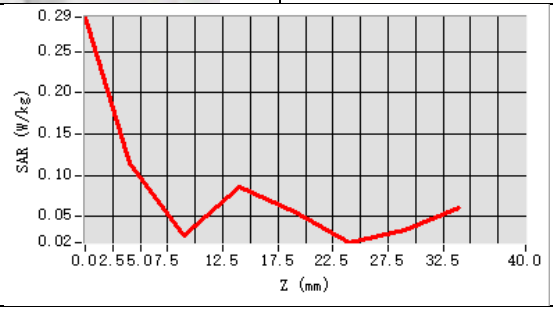
Maximum location: X=-9.00, Y=-38.00 ; SAR Peak: 0.55 W/kg

SURFACE SAR	VOLUME SAR
	
3D screen shot	**Hot spot position**
	
	

Plot 77:

Test Date	2024-07-19
Area Scan	dx=8mm dy=8mm
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5mm
Phantom	Right head
Device Position	Cheek
Band	LTE band 41
Signal	LTE TDD
Frequency	2506
SAR 10g (W/Kg)	0.056
SAR 1g (W/Kg)	0.112
ConvF	2.35
Relative permittivity	40.38
Conductivity (S/m)	1.97

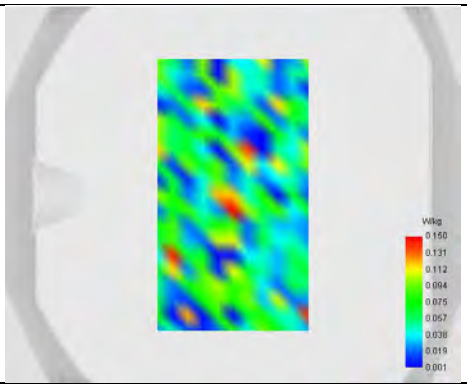
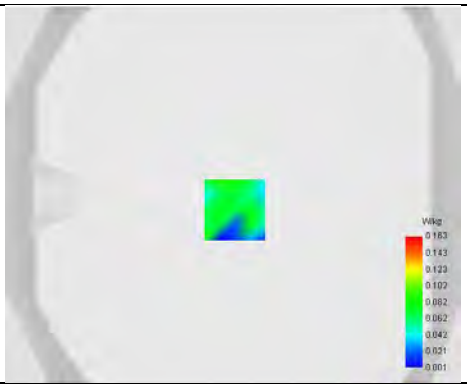
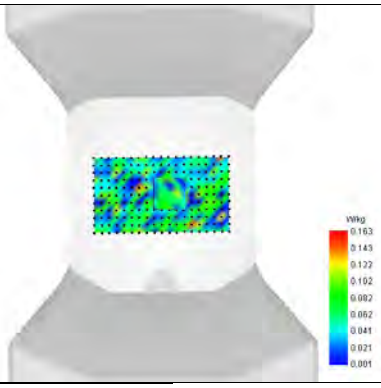
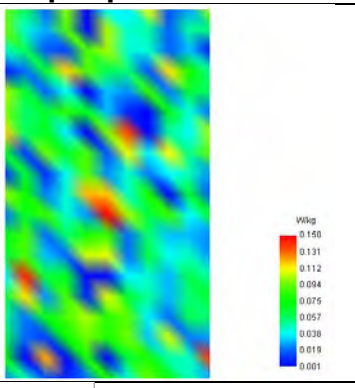
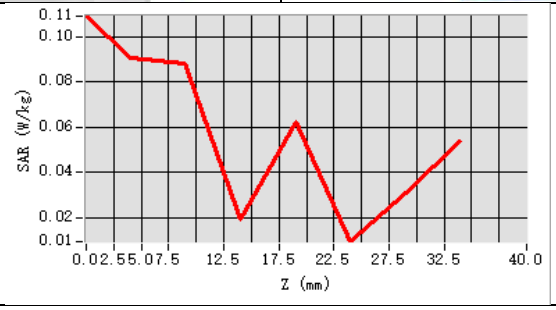
Maximum location: X=-41.00, Y=-24.00 ; SAR Peak: 0.27 W/kg

SURFACE SAR	VOLUME SAR
	
3D screen shot	**Hot spot position**
	
	

Plot 78:

Test Date	2024-07-19
Area Scan	dx=8mm dy=8mm
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5mm
Phantom	Validation plane
Device Position	Bottom Side
Band	LTE band 41
Signal	LTE TDD
Frequency	2506
SAR 10g (W/Kg)	0.062
SAR 1g (W/Kg)	0.134
ConvF	2.35
Relative permittivity	40.38
Conductivity (S/m)	1.97

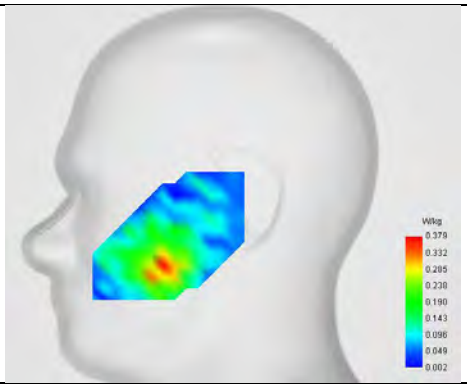
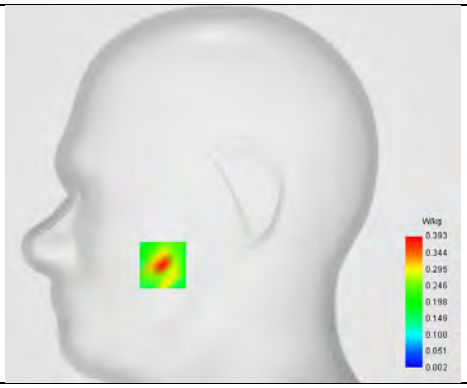
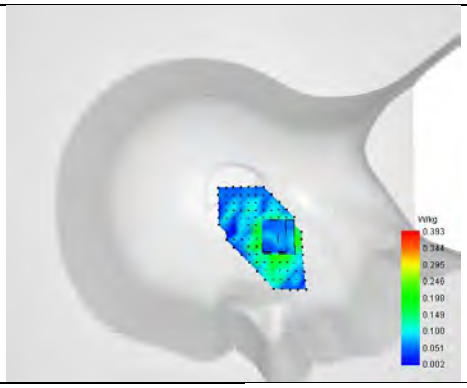
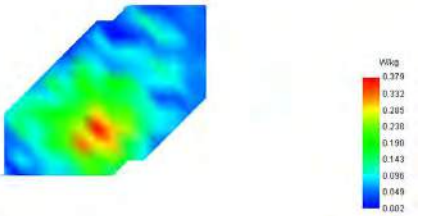
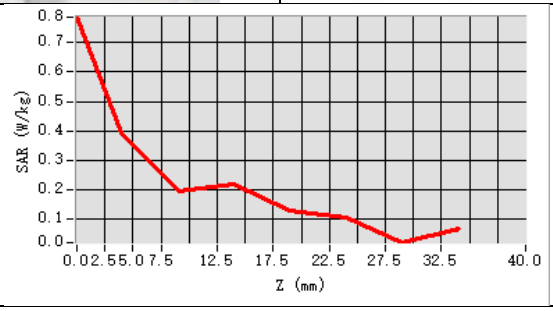
Maximum location: X=1.00, Y=-8.00 ; SAR Peak: 0.33 W/kg

SURFACE SAR	VOLUME SAR
	
3D screen shot	**Hot spot position**
	
	

Plot 79:

Test Date	2024-07-17
Area Scan	dx=8mm dy=8mm
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5mm
Phantom	Right head
Device Position	Cheek
Band	LTE band 66
Signal	LTE FDD
Frequency	1745
SAR 10g (W/Kg)	0.207
SAR 1g (W/Kg)	0.398
ConvF	1.91
Relative permittivity	40.80
Conductivity (S/m)	1.41

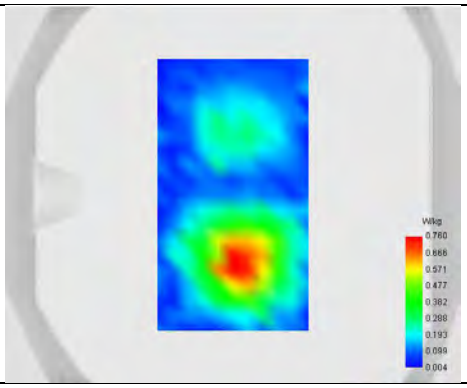
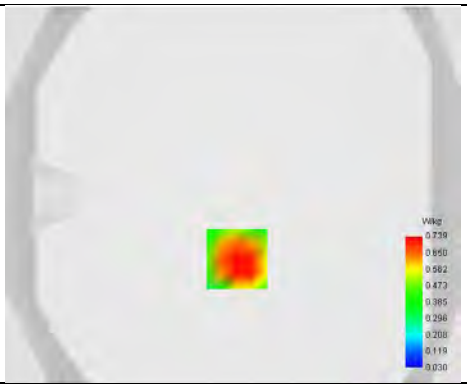
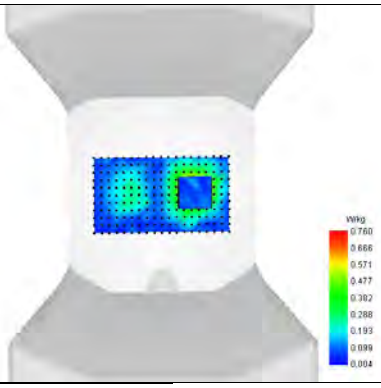
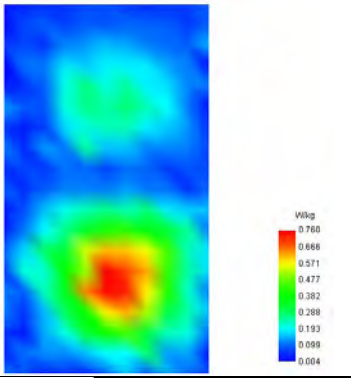
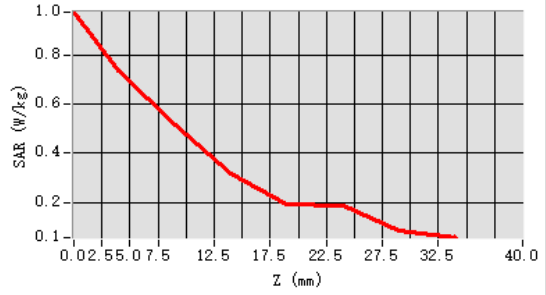
Maximum location: X=-48.00, Y=-48.00 ; SAR Peak: 0.75 W/kg

SURFACE SAR	VOLUME SAR
	
3D screen shot	**Hot spot position**
	
	

Plot 80:

Test Date	2024-07-17
Area Scan	dx=8mm dy=8mm
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5mm
Phantom	Validation plane
Device Position	Back Side
Band	LTE band 66
Signal	LTE FDD
Frequency	1745
SAR 10g (W/Kg)	0.438
SAR 1g (W/Kg)	0.718
ConvF	1.91
Relative permittivity	40.80
Conductivity (S/m)	1.41

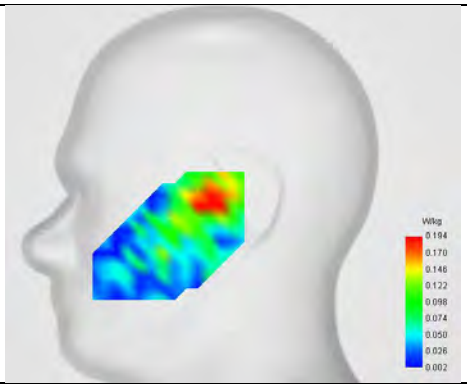
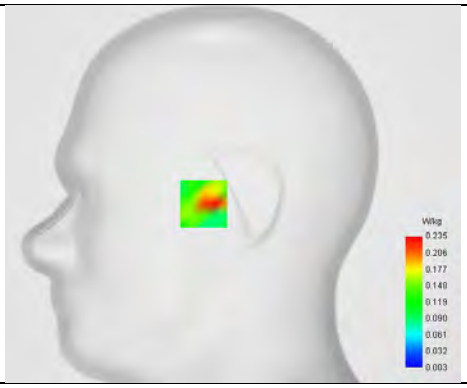
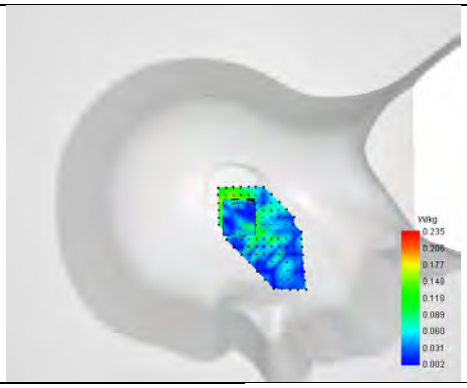
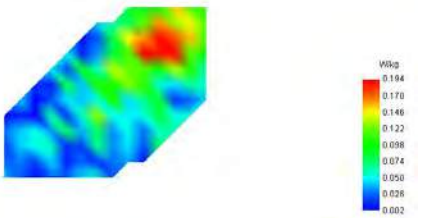
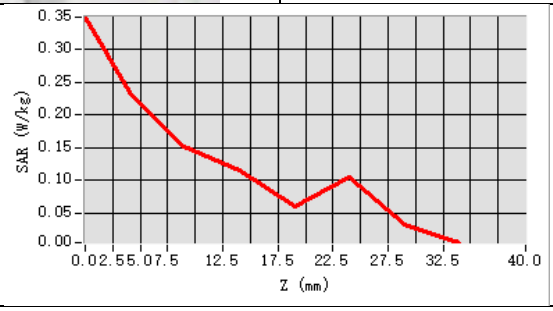
Maximum location: X=2.00, Y=-34.00 ; SAR Peak: 1.13 W/kg

SURFACE SAR	VOLUME SAR
	
3D screen shot	**Hot spot position**
	
	

Plot 81:

Test Date	2024-08-09
Area Scan	dx=8mm dy=8mm
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5mm
Phantom	Right head
Device Position	Cheek
Band	NR band 2
Signal	NR FDD
Frequency	1860
SAR 10g (W/Kg)	0.126
SAR 1g (W/Kg)	0.208
ConvF	2.24
Relative permittivity	40.92
Conductivity (S/m)	1.43

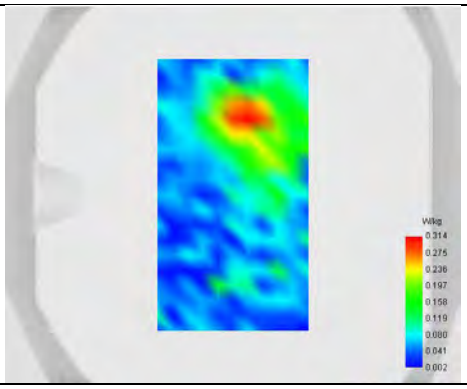
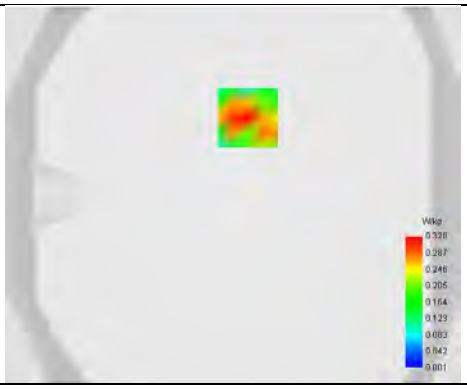
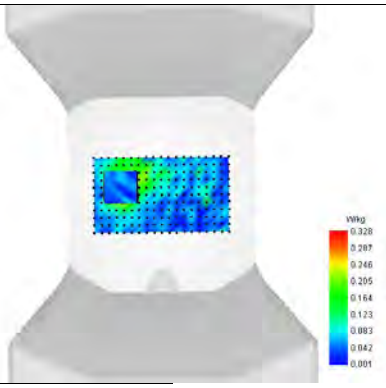
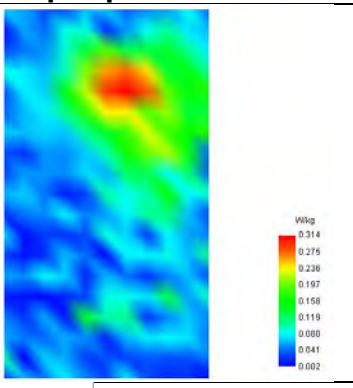
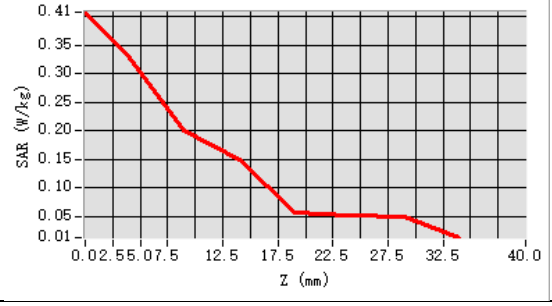
Maximum location: X=-20.00, Y=-6.00 ; SAR Peak: 0.33 W/kg

SURFACE SAR	VOLUME SAR
	
3D screen shot	**Hot spot position**
	
	

Plot 82:

Test Date	2024-08-09
Area Scan	dx=8mm dy=8mm
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5mm
Phantom	Validation plane
Device Position	Back Side
Band	NR band 2
Signal	NR FDD
Frequency	1860
SAR 10g (W/Kg)	0.160
SAR 1g (W/Kg)	0.302
ConvF	2.24
Relative permittivity	40.92
Conductivity (S/m)	1.43

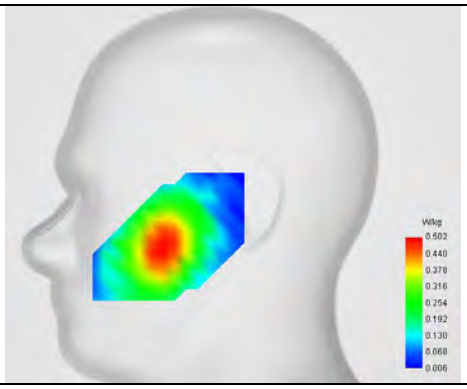
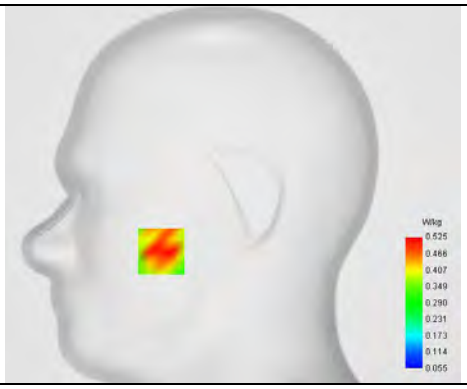
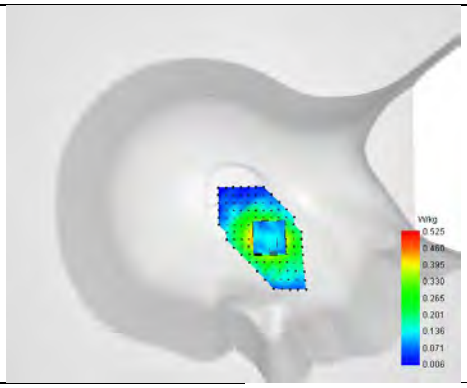
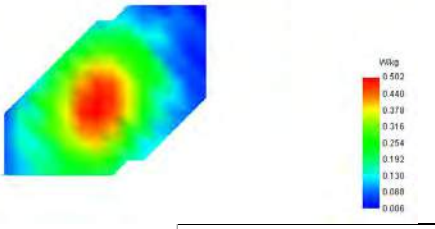
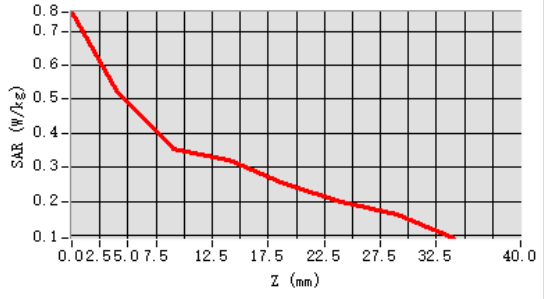
Maximum location: X=8.00, Y=41.00 ; SAR Peak: 0.58 W/kg

SURFACE SAR	VOLUME SAR
	
3D screen shot	**Hot spot position**
	
	

Plot 83:

Test Date	2024-07-15
Area Scan	dx=8mm dy=8mm
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5mm
Phantom	Right head
Device Position	Cheek
Band	NR band 5
Signal	NR FDD
Frequency	834
SAR 10g (W/Kg)	0.352
SAR 1g (W/Kg)	0.499
ConvF	1.70
Relative permittivity	40.94
Conductivity (S/m)	0.89

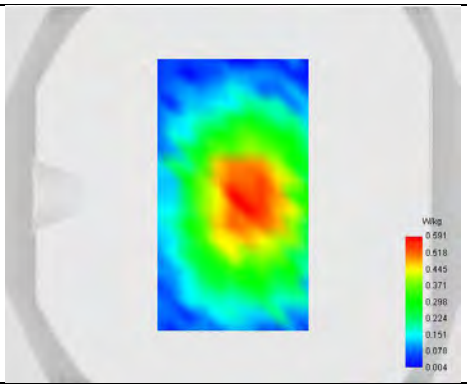
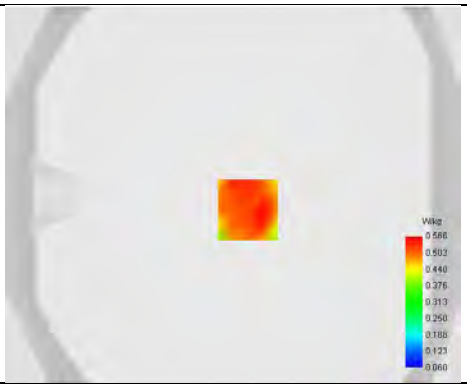
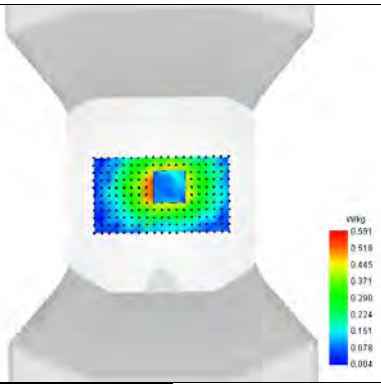
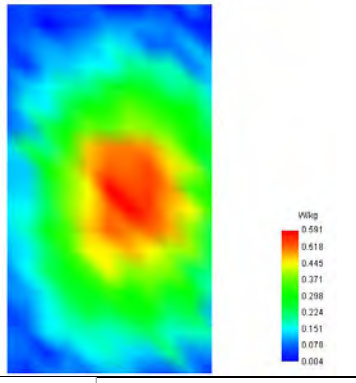
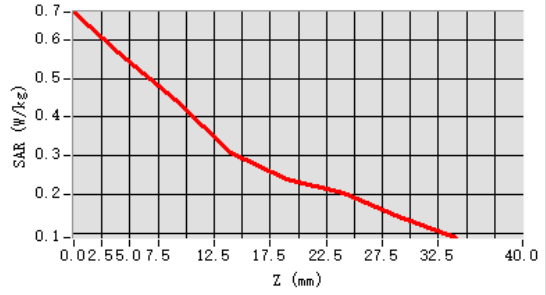
Maximum location: X=-49.00, Y=-38.00 ; SAR Peak: 0.74 W/kg

SURFACE SAR	VOLUME SAR
	
3D screen shot	**Hot spot position**
	
	

Plot 84:

Test Date	2024-07-15
Area Scan	dx=8mm dy=8mm
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5mm
Phantom	Validation plane
Device Position	Front side
Band	NR band 5
Signal	NR FDD
Frequency	834
SAR 10g (W/Kg)	0.368
SAR 1g (W/Kg)	0.552
ConvF	1.70
Relative permittivity	40.94
Conductivity (S/m)	0.89

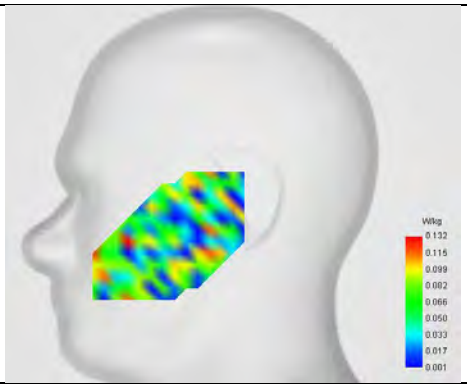
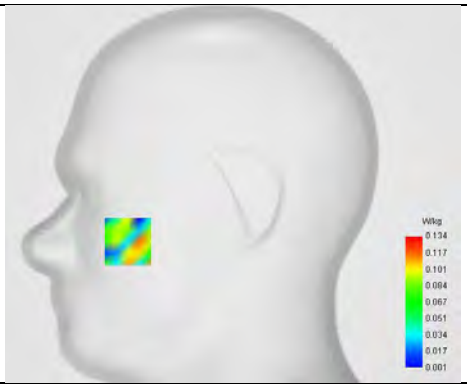
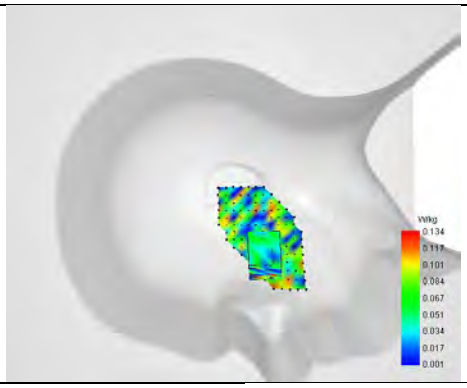
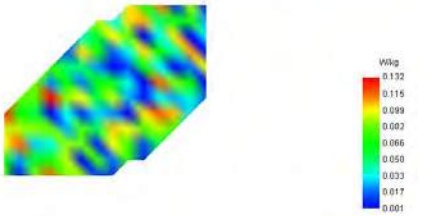
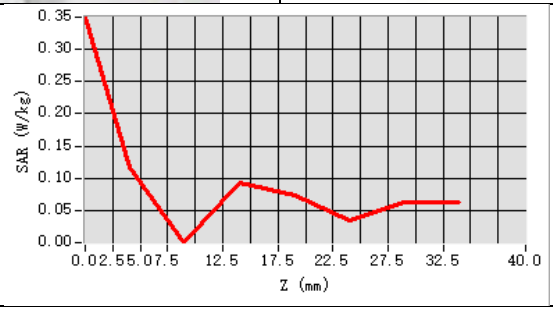
Maximum location: X=8.00, Y=-8.00 ; SAR Peak: 0.87 W/kg

SURFACE SAR	VOLUME SAR
	
3D screen shot	**Hot spot position**
	
	

Plot 85:

Test Date	2024-07-19
Area Scan	dx=8mm dy=8mm
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5mm
Phantom	Right head
Device Position	Cheek
Band	NR band 7
Signal	NR FDD
Frequency	2560
SAR 10g (W/Kg)	0.060
SAR 1g (W/Kg)	0.135
ConvF	2.35
Relative permittivity	40.38
Conductivity (S/m)	1.97

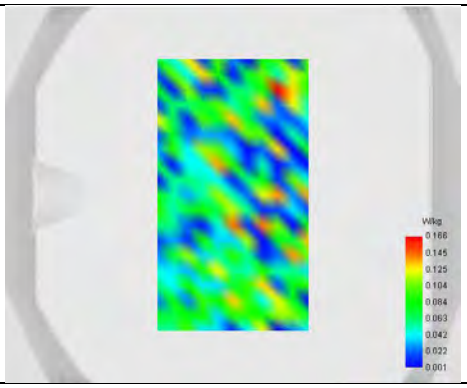
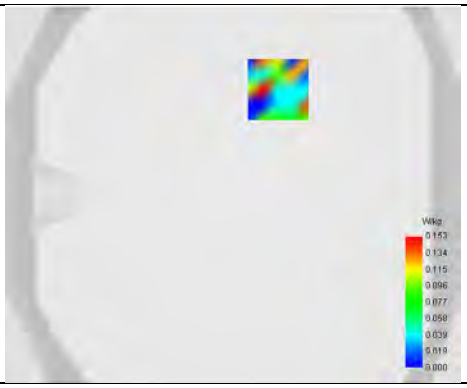
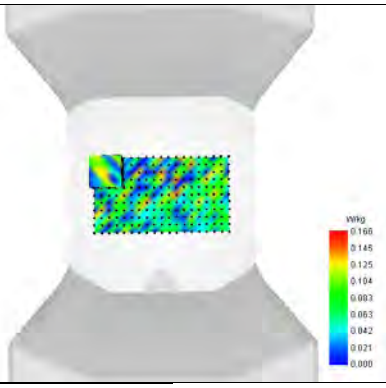
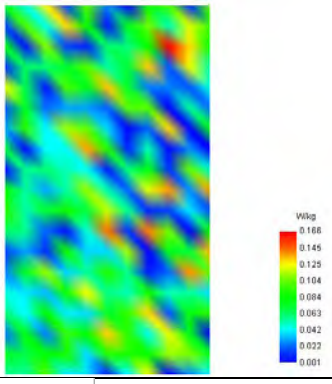
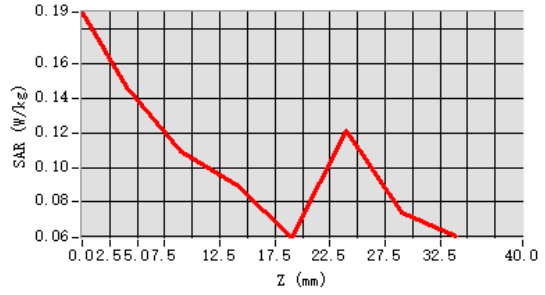
Maximum location: X=-72.00, Y=-32.00 ; SAR Peak: 0.34 W/kg

SURFACE SAR	VOLUME SAR
	
3D screen shot	**Hot spot position**
	
	

Plot 86:

Test Date	2024-07-19
Area Scan	dx=8mm dy=8mm
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5mm
Phantom	Validation plane
Device Position	Bottom Side
Band	NR band 7
Signal	NR FDD
Frequency	2560
SAR 10g (W/Kg)	0.057
SAR 1g (W/Kg)	0.101
ConvF	2.35
Relative permittivity	40.38
Conductivity (S/m)	1.97

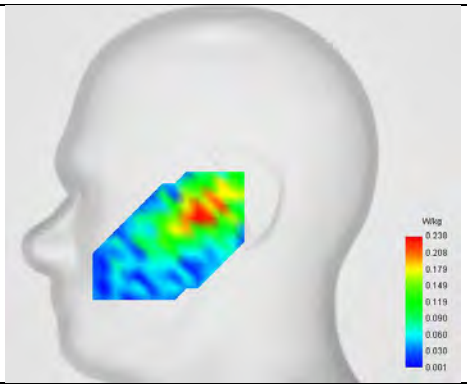
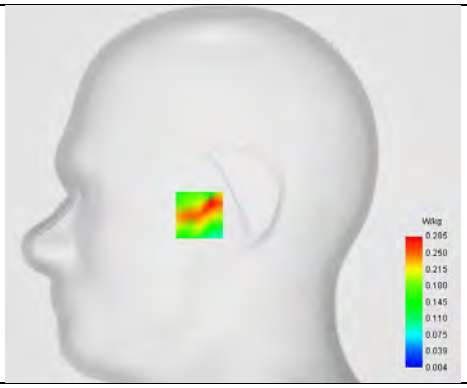
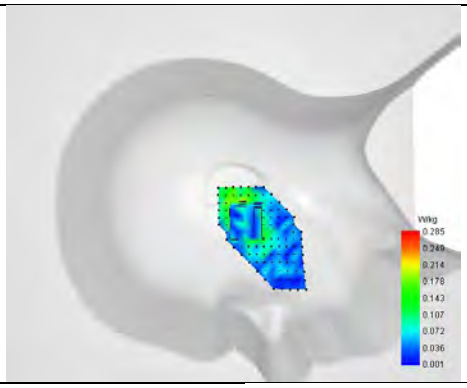
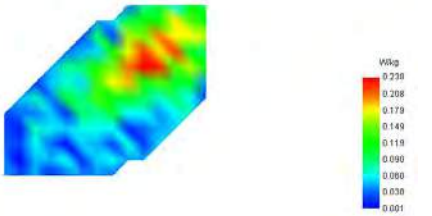
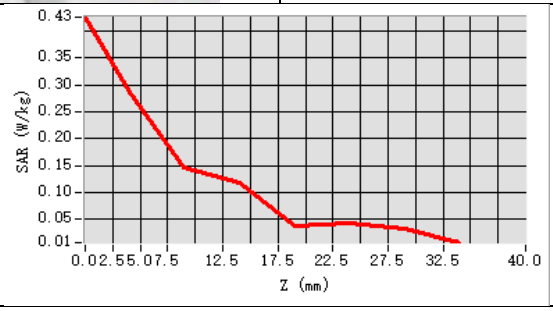
Maximum location: X=24.00, Y=56.00 ; SAR Peak: 0.36 W/kg

SURFACE SAR	VOLUME SAR
	
3D screen shot	**Hot spot position**
	
	

Plot 87:

Test Date	2024-07-18
Area Scan	dx=8mm dy=8mm
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5mm
Phantom	Right head
Device Position	Cheek
Band	NR band 25
Signal	NR FDD
Frequency	1905
SAR 10g (W/Kg)	0.141
SAR 1g (W/Kg)	0.270
ConvF	2.24
Relative permittivity	40.45
Conductivity (S/m)	1.43

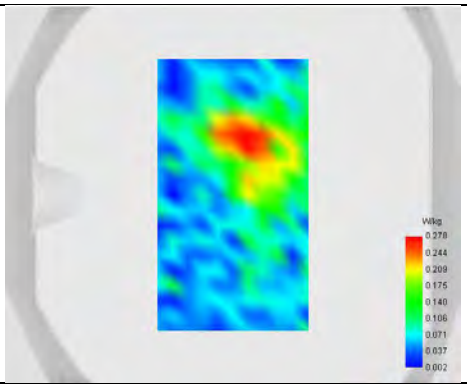
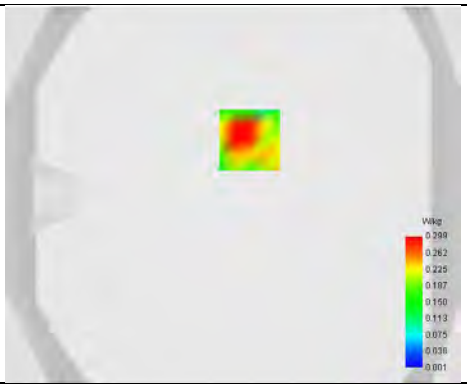
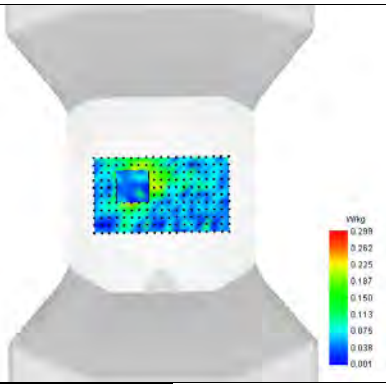
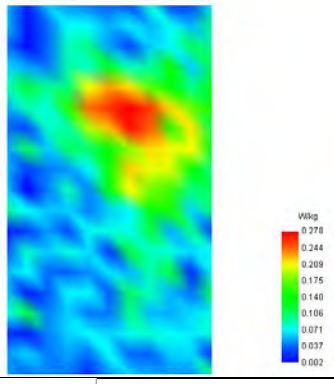
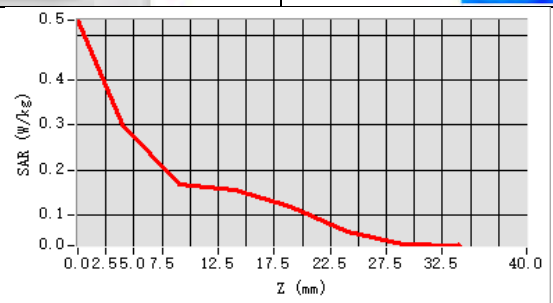
Maximum location: X=-23.00, Y=-14.00 ; SAR Peak: 0.52 W/kg

SURFACE SAR	VOLUME SAR
	
3D screen shot	**Hot spot position**
	
	

Plot 88:

Test Date	2024-07-18
Area Scan	dx=8mm dy=8mm
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5mm
Phantom	Validation plane
Device Position	Back Side
Band	NR band 25
Signal	NR FDD
Frequency	1905
SAR 10g (W/Kg)	0.182
SAR 1g (W/Kg)	0.324
ConvF	2.24
Relative permittivity	40.45
Conductivity (S/m)	1.43

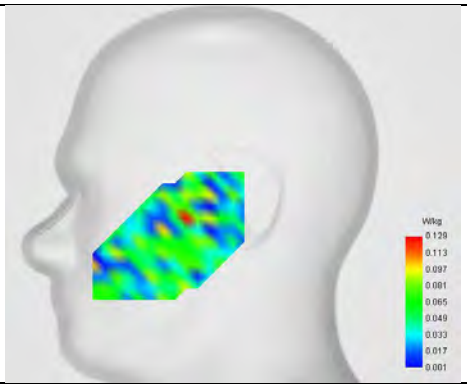
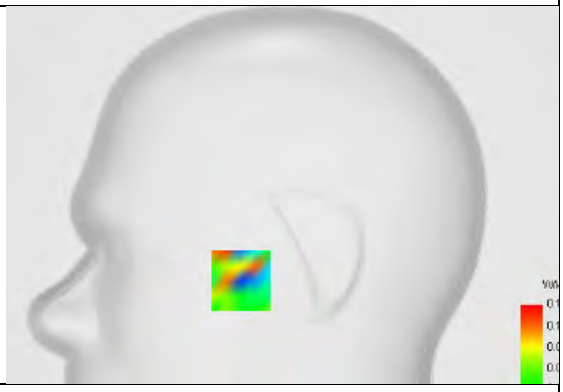
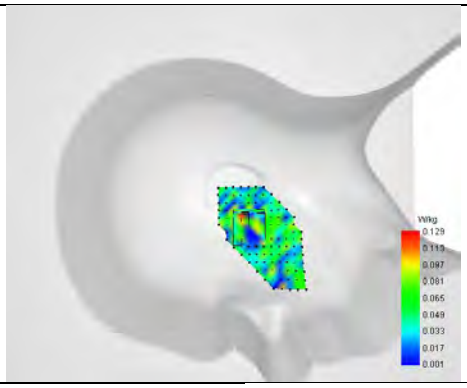
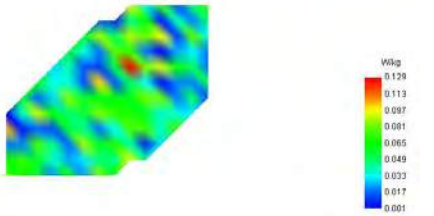
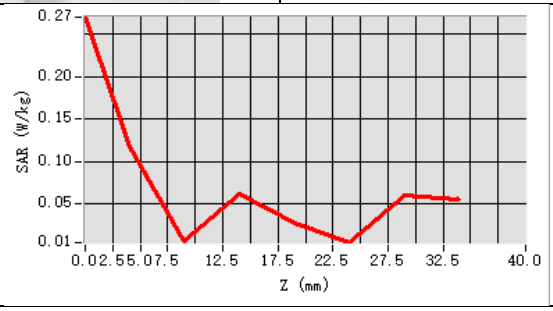
Maximum location: X=9.00, Y=29.00 ; SAR Peak: 0.57 W/kg

SURFACE SAR	VOLUME SAR
	
3D screen shot	**Hot spot position**
	
	

Plot 89:

Test Date	2024-08-08
Area Scan	dx=8mm dy=8mm
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5mm
Phantom	Right head
Device Position	Cheek
Band	NR band 38
Signal	NR TDD
Frequency	2590
SAR 10g (W/Kg)	0.047
SAR 1g (W/Kg)	0.115
ConvF	2.35
Relative permittivity	39.47
Conductivity (S/m)	1.99

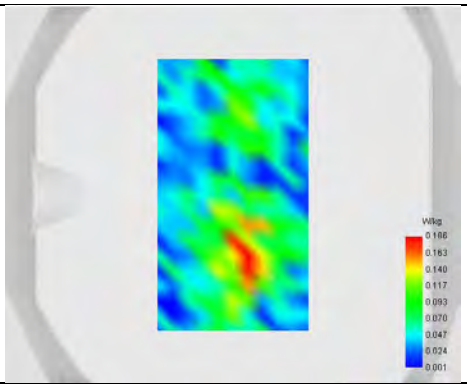
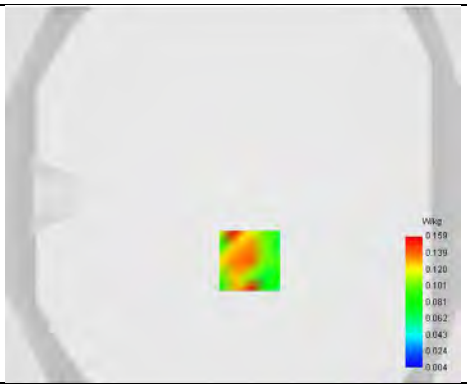
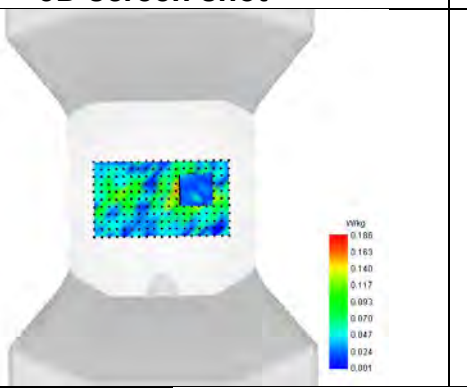
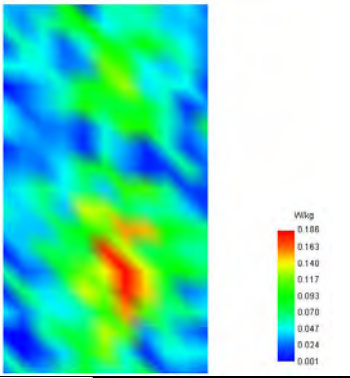
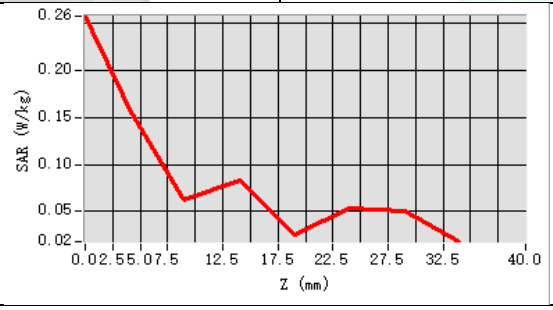
Maximum location: X=-31.00, Y=-16.00 ; SAR Peak: 0.34 W/kg

SURFACE SAR	VOLUME SAR
	
3D screen shot	**Hot spot position**
	
	

Plot 90:

Test Date	2024-08-08
Area Scan	dx=8mm dy=8mm
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5mm
Phantom	Validation plane
Device Position	Back Side
Band	NR band 38
Signal	NR TDD
Frequency	2590
SAR 10g (W/Kg)	0.080
SAR 1g (W/Kg)	0.141
ConvF	2.35
Relative permittivity	39.47
Conductivity (S/m)	1.99

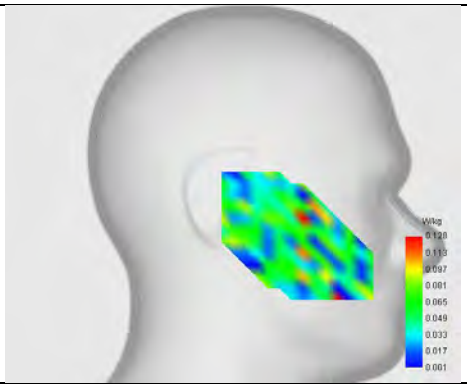
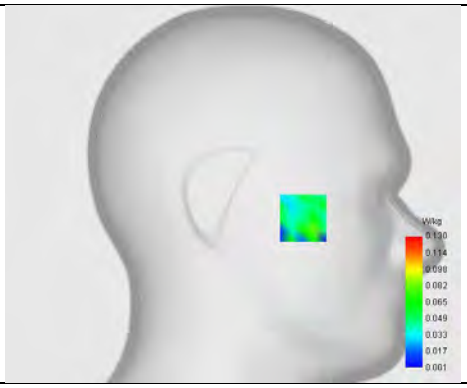
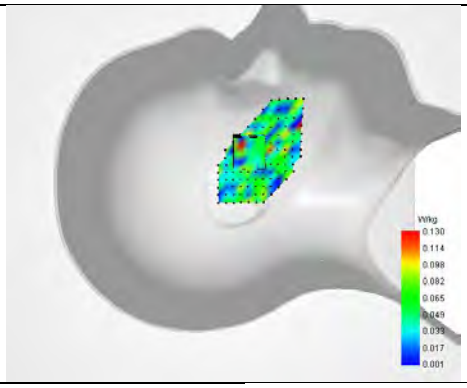
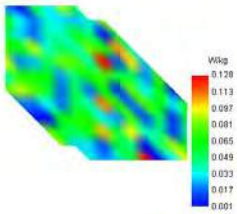
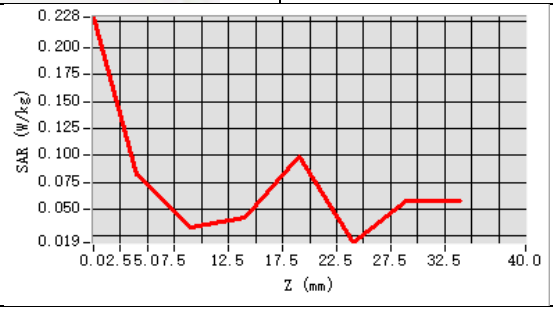
Maximum location: X=9.00, Y=-35.00 ; SAR Peak: 0.30 W/kg

SURFACE SAR	VOLUME SAR
	
3D screen shot	**Hot spot position**
	
	

Plot 91:

Test Date	2024-08-08
Area Scan	dx=8mm dy=8mm
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5mm
Phantom	Left head
Device Position	Cheek
Band	NR band 41
Signal	NR TDD
Frequency	2640
SAR 10g (W/Kg)	0.041
SAR 1g (W/Kg)	0.078
ConvF	2.35
Relative permittivity	39.47
Conductivity (S/m)	1.99

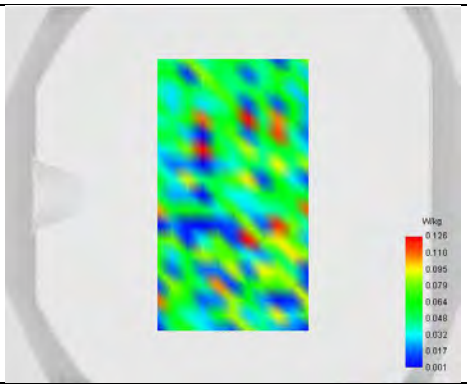
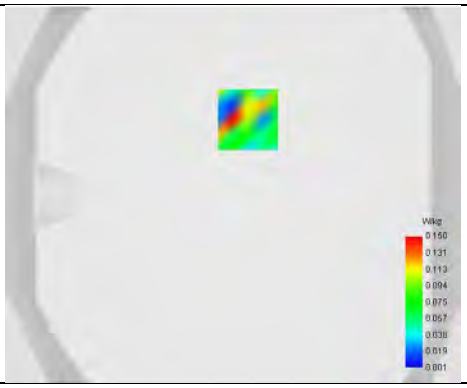
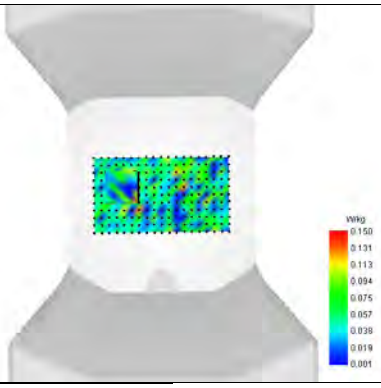
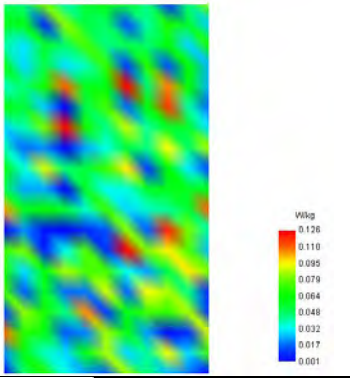
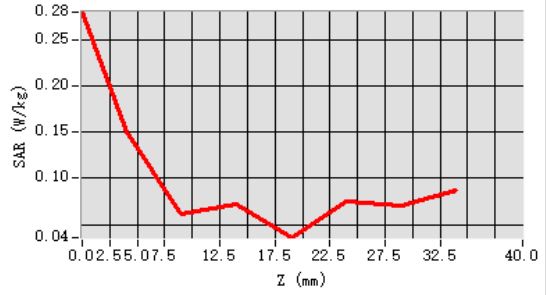
Maximum location: X=-48.00, Y=-16.00 ; SAR Peak: 0.16 W/kg

SURFACE SAR	VOLUME SAR
	
3D screen shot	**Hot spot position**
	
	

Plot 92:

Test Date	2024-08-08
Area Scan	dx=8mm dy=8mm
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5mm
Phantom	Validation plane
Device Position	Back Side
Band	NR band 41
Signal	NR TDD
Frequency	2640
SAR 10g (W/Kg)	0.061
SAR 1g (W/Kg)	0.143
ConvF	2.35
Relative permittivity	39.47
Conductivity (S/m)	1.99

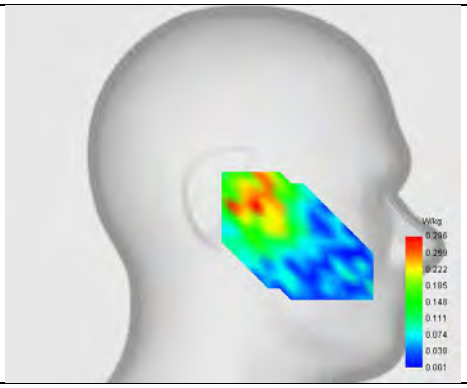
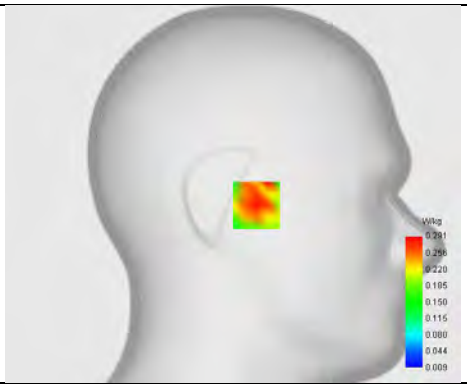
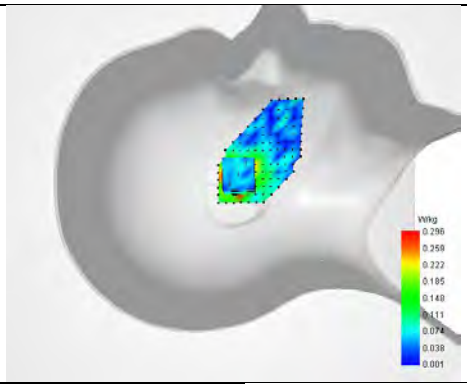
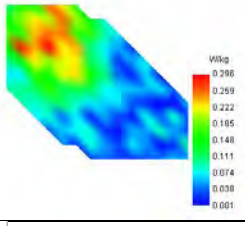
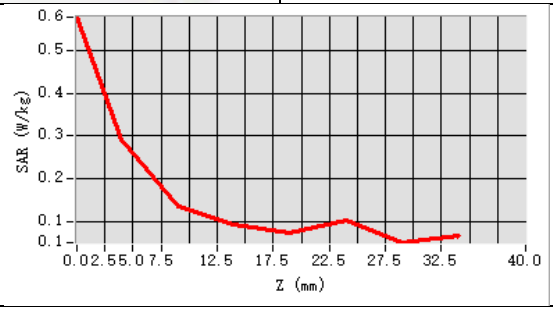
Maximum location: X=8.00, Y=40.00 ; SAR Peak: 0.38 W/kg

SURFACE SAR	VOLUME SAR
	
3D screen shot	**Hot spot position**
	
	

Plot 93:

Test Date	2024-07-17
Area Scan	dx=8mm dy=8mm
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5mm
Phantom	Left head
Device Position	Cheek
Band	NR band 66
Signal	NR FDD
Frequency	1712.5
SAR 10g (W/Kg)	0.166
SAR 1g (W/Kg)	0.288
ConvF	1.91
Relative permittivity	40.80
Conductivity (S/m)	1.41

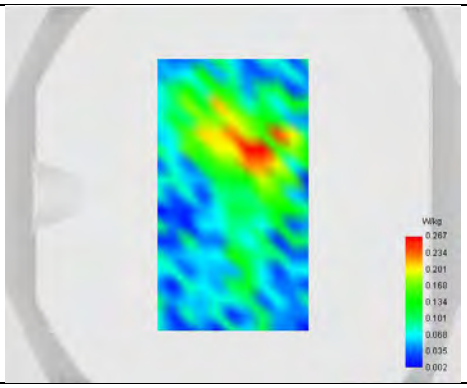
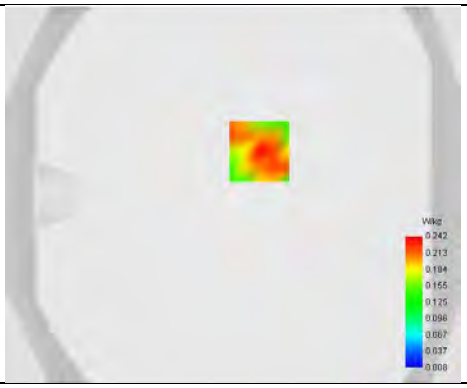
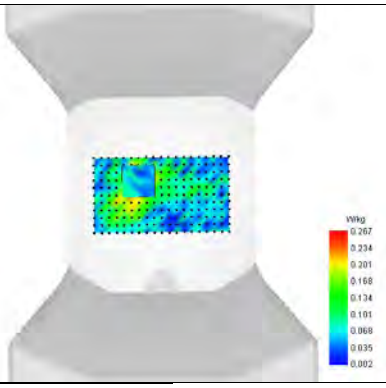
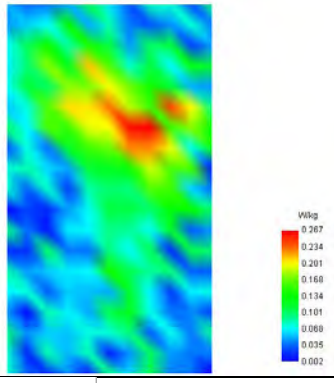
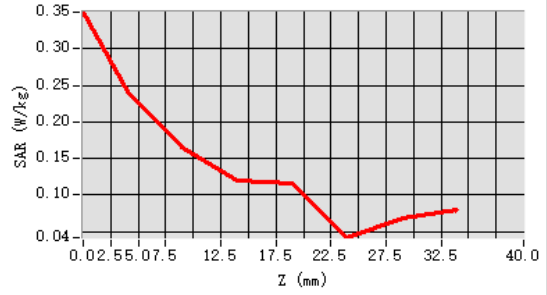
Maximum location: X=-16.00, Y=-7.00 ; SAR Peak: 0.60 W/kg

SURFACE SAR	VOLUME SAR
	
3D screen shot	**Hot spot position**
	
	

Plot 94:

Test Date	2024-07-17
Area Scan	dx=8mm dy=8mm
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5mm
Phantom	Validation plane
Device Position	Back Side
Band	NR band 66
Signal	NR FDD
Frequency	1712.5
SAR 10g (W/Kg)	0.134
SAR 1g (W/Kg)	0.235
ConvF	1.91
Relative permittivity	40.80
Conductivity (S/m)	1.41

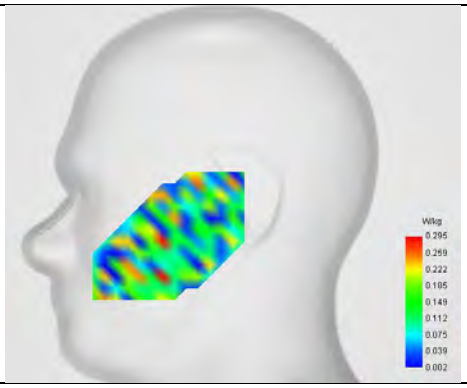
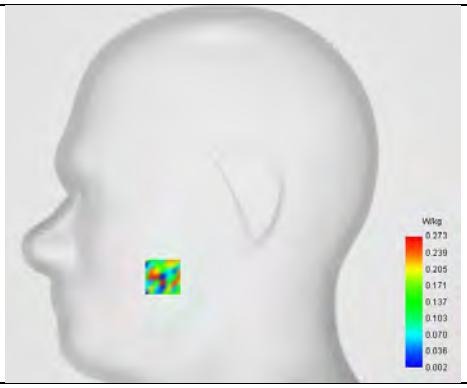
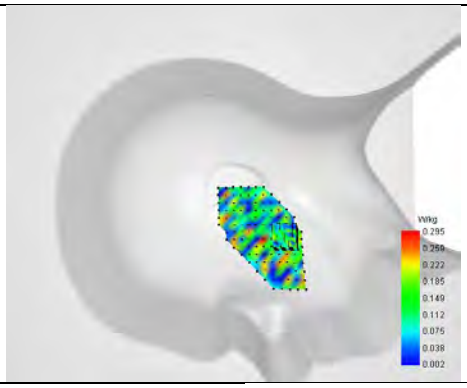
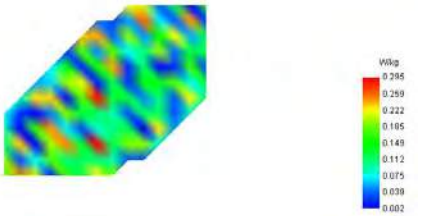
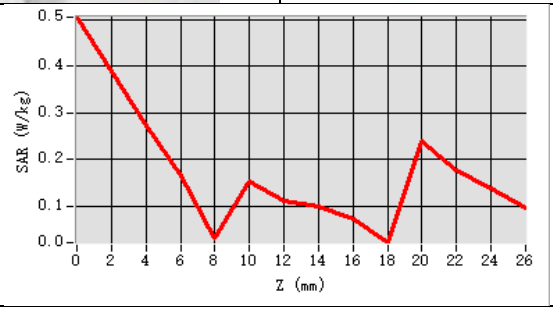
Maximum location: X=14.00, Y=23.00 ; SAR Peak: 0.38 W/kg

SURFACE SAR	VOLUME SAR
	
3D screen shot	**Hot spot position**
	
	

Plot 95:

Test Date	2024-08-13
Area Scan	dx=8mm dy=8mm
Zoom Scan	7x7x12,dx=4mm dy=4mm dz=2mm
Phantom	Right head
Device Position	Cheek
Band	NR band 77
Signal	NR TDD
Frequency	3750
SAR 10g (W/Kg)	0.102
SAR 1g (W/Kg)	0.200
ConvF	1.84
Relative permittivity	37.82
Conductivity (S/m)	3.25

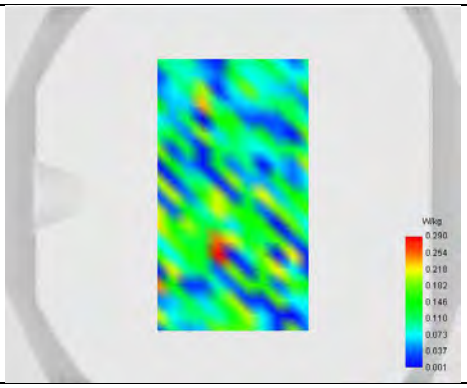
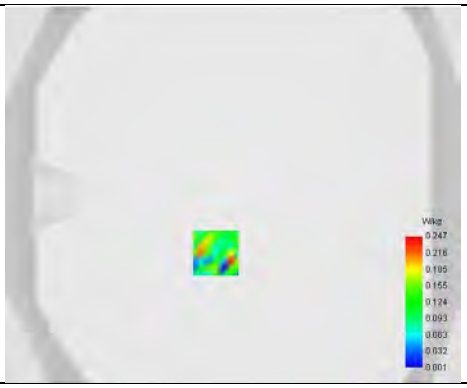
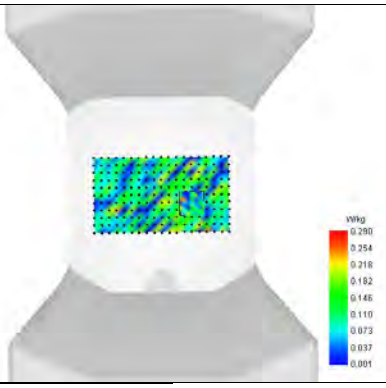
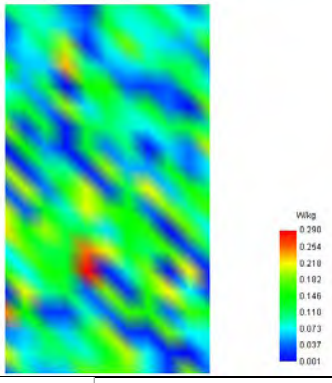
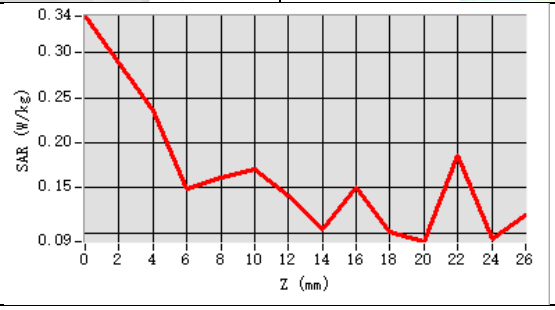
Maximum location: X=-48.00, Y=-56.00 ; SAR Peak: 1.08 W/kg

SURFACE SAR	VOLUME SAR
	
3D screen shot	**Hot spot position**
	
	

Plot 96:

Test Date	2024-08-13
Area Scan	dx=8mm dy=8mm
Zoom Scan	7x7x12,dx=4mm dy=4mm dz=2mm
Phantom	Validation plane
Device Position	Back Side
Band	NR band 77
Signal	NR TDD
Frequency	3750
SAR 10g (W/Kg)	0.081
SAR 1g (W/Kg)	0.182
ConvF	1.84
Relative permittivity	37.82
Conductivity (S/m)	3.25

Maximum location: X=-9.00, Y=-31.00 ; SAR Peak: 0.89 W/kg

SURFACE SAR	VOLUME SAR
	
3D screen shot	**Hot spot position**
	
	

Appendix C. Probe Calibration and Dipole Calibration Report

Refer the appendix Calibration Report.

※※※※※END OF THE REPORT※※※※※