

10.3. Hotspot 1g SAR Data

Band	Mode	Test Position with 10mm	CH.	Freq. (MHz)	Ave. Power (dBm)	Tune-Up Limit (dBm)	Power Drift (%)	Meas. SAR1g (W/kg)	Scaling Factor	Reported SAR1g (W/kg)	Limit (W/Kg)
GSM850	GPRS 2 slots	Front	128	824.2	30.39	30.50	-2.91	0.08	1.026	0.08	1.60
		Back	128	824.2	30.39	30.50	1.59	0.14	1.026	0.14	
		Right	128	824.2	30.39	30.50	0.69	0.02	1.026	0.02	
		Left	128	824.2	30.39	30.50	-1.62	0.01	1.026	0.01	
		Bottom	128	824.2	30.39	30.50	0.62	0.02	1.026	0.02	
		Top	128	824.2	30.39	30.50	-1.84	0.01	1.026	0.01	
GSM1900	GPRS 2 slots	Front	661	1880	27.92	28.00	-2.81	0.39	1.019	0.40	
		Back	661	1880	27.92	28.00	-2.17	0.72	1.019	0.73	
		Right	661	1880	27.92	28.00	0.52	0.05	1.019	0.05	
		Left	661	1880	27.92	28.00	1.75	0.03	1.019	0.03	
		Bottom	661	1880	27.92	28.00	0.69	0.03	1.019	0.03	
		Top	661	1880	27.92	28.00	-2.60	0.02	1.019	0.02	
WCDMA Band II	RMC	Front	9400	1880	22.72	23.00	2.61	0.26	1.067	0.28	
		Back	9400	1880	22.72	23.00	-2.91	0.45	1.067	0.48	
		Right	9400	1880	22.72	23.00	1.87	0.02	1.067	0.02	
		Left	9400	1880	22.72	23.00	2.08	0.03	1.067	0.03	
		Bottom	9400	1880	22.72	23.00	1.06	0.03	1.067	0.03	
		Top	9400	1880	22.72	23.00	-1.20	0.03	1.067	0.03	
WCDMA Band IV	RMC	Front	1513	1752.6	22.74	23.00	-2.94	0.24	1.062	0.25	
		Back	1513	1752.6	22.74	23.00	0.72	0.42	1.062	0.45	
		Right	1513	1752.6	22.74	23.00	1.62	0.03	1.062	0.03	
		Left	1513	1752.6	22.74	23.00	0.88	0.04	1.062	0.04	
		Bottom	1513	1752.6	22.74	23.00	-1.76	0.03	1.062	0.03	
		Top	1513	1752.6	22.74	23.00	0.58	0.03	1.062	0.03	
WCDMA Band V	RMC	Front	4233	846.6	22.45	22.50	-2.18	0.10	1.012	0.10	
		Back	4233	846.6	22.45	22.50	1.22	0.18	1.012	0.18	
		Right	4233	846.6	22.45	22.50	1.63	0.01	1.012	0.01	
		Left	4233	846.6	22.45	22.50	0.89	0.02	1.012	0.02	
		Bottom	4233	846.6	22.45	22.50	-1.72	0.01	1.012	0.01	
		Top	4233	846.6	22.45	22.50	0.50	0.01	1.012	0.01	

CDMA BC0	RMC	Front	777	848.31	23.41	23.50	0.87	0.09	1.021	0.09	1.60
		Back	777	848.31	23.41	23.50	0.01	0.17	1.021	0.17	
		Right	777	848.31	23.41	23.50	-2.60	0.02	1.021	0.02	
		Left	777	848.31	23.41	23.50	0.55	0.02	1.021	0.02	
		Bottom	777	848.31	23.41	23.50	1.85	0.01	1.021	0.01	
		Top	777	848.31	23.41	23.50	2.37	0.02	1.021	0.02	
2.4G-2	802.11n	Front	6	2437	15.10	15.50	-2.95	0.13	1.096	0.14	
		Back	6	2437	15.10	15.50	-0.58	0.23	1.096	0.25	
		Right	6	2437	15.10	15.50	-1.69	0.02	1.096	0.02	
		Top	6	2437	15.10	15.50	0.27	0.02	1.096	0.02	
2.4G-3	802.11ax	Front	6	2437	15.75	16.00	-2.61	0.16	1.059	0.17	
		Back	6	2437	15.75	16.00	-2.93	0.24	1.059	0.25	
		Right	6	2437	15.75	16.00	0.22	0.02	1.059	0.02	
		Top	6	2437	15.75	16.00	-1.76	0.02	1.059	0.02	
2.4G-T	802.11n	Front	6	2437	18.45	18.50	0.77	0.14	1.012	0.14	
		Back	6	2437	18.45	18.50	-1.45	0.27	1.012	0.27	
		Right	6	2437	18.45	18.50	1.66	0.03	1.012	0.03	
		Top	6	2437	18.45	18.50	-2.91	0.02	1.012	0.02	

Band	Mode	Test Position with 10mm	CH.	Freq. (MHz)	RB allocation	RB offset	Ave. Power (dBm)	Tune-Up Limit (dBm)	Power Drift (%)	Meas. SAR1g (W/kg)	Scaling Factor	Reported SAR1g (W/kg)
LTE Band 2	QPSK (20MHz)	Front	18900	1880	1	0	24.45	24.50	-1.57	0.24	1.012	0.24
					50	0	24.41	24.50	2.60	0.21	1.021	0.21
		Back	18900	1880	1	0	24.45	24.50	1.86	0.43	1.012	0.43
					50	0	24.41	24.50	0.87	0.42	1.021	0.42
		Right	18900	1880	1	0	24.45	24.50	1.66	0.03	1.012	0.03
					50	0	24.41	24.50	-2.67	0.02	1.021	0.02
		Left	18900	1880	1	0	24.45	24.50	1.52	0.03	1.012	0.03
					50	0	24.41	24.50	0.87	0.04	1.021	0.04
		Bottom	18900	1880	1	0	24.45	24.50	-2.05	0.02	1.012	0.02
					50	0	24.41	24.50	1.94	0.02	1.021	0.02
		Top	18900	1880	1	0	24.45	24.50	1.75	0.03	1.012	0.03
					50	0	24.41	24.50	0.28	0.02	1.021	0.02

LTE Band 4	QPSK (20MHz)	Front	20300	1748	1	0	21.22	21.50	1.56	0.15	1.067	0.16
					50	0	21.22	21.50	0.84	0.13	1.067	0.14
		Back	20300	1748	1	0	21.22	21.50	1.29	0.37	1.067	0.39
					50	0	21.22	21.50	-1.62	0.35	1.067	0.37
		Right	20300	1748	1	0	21.22	21.50	0.75	0.03	1.067	0.03
					50	0	21.22	21.50	-1.89	0.03	1.067	0.03
		Left	20300	1748	1	0	21.22	21.50	0.57	0.02	1.067	0.02
					50	0	21.22	21.50	3.28	0.03	1.067	0.03
		Bottom	20300	1748	1	0	21.22	21.50	1.51	0.04	1.067	0.04
					50	0	21.22	21.50	0.96	0.02	1.067	0.02
		Top	20300	1748	1	0	21.22	21.50	-1.76	0.01	1.067	0.01
					50	0	21.22	21.50	0.28	0.03	1.067	0.03
LTE Band 5	QPSK (10MHz)	Front	20525	836.5	1	0	18.47	18.50	-2.84	0.06	1.007	0.06
					25	0	18.45	18.50	1.63	0.06	1.012	0.06
		Back	20525	836.5	1	0	18.47	18.50	-0.22	0.11	1.007	0.11
					25	0	18.45	18.50	0.82	0.10	1.012	0.10
		Right	20525	836.5	1	0	18.47	18.50	-1.76	0.01	1.007	0.01
					25	0	18.45	18.50	0.53	0.01	1.012	0.01
		Left	20525	836.5	1	0	18.47	18.50	-1.79	0.01	1.007	0.01
					25	0	18.45	18.50	2.62	0.01	1.012	0.01
		Bottom	20525	836.5	1	0	18.47	18.50	0.75	0.01	1.007	0.01
					25	0	18.45	18.50	-1.92	0.01	1.012	0.01
		Top	20525	836.5	1	0	18.47	18.50	1.49	0.01	1.007	0.01
					25	0	18.45	18.50	-2.61	0.01	1.012	0.01
LTE Band 7	QPSK (20MHz)	Front	20850	2510	1	0	23.54	24.00	-1.56	0.37	1.112	0.41
					50	0	23.49	24.00	2.03	0.32	1.125	0.36
		Back	20850	2510	1	0	23.54	24.00	-4.15	0.65	1.112	0.72
					50	0	23.49	24.00	-0.66	0.64	1.125	0.72
		Right	20850	2510	1	0	23.54	24.00	1.94	0.04	1.112	0.04
					50	0	23.49	24.00	-2.05	0.06	1.125	0.07
		Left	20850	2510	1	0	23.54	24.00	1.09	0.03	1.112	0.03
					50	0	23.49	24.00	0.09	0.06	1.125	0.07
		Bottom	20850	2510	1	0	23.54	24.00	-1.57	0.04	1.112	0.04
					50	0	23.49	24.00	0.61	0.04	1.125	0.04
		Top	20850	2510	1	0	23.54	24.00	-1.22	0.04	1.112	0.04
					50	0	23.49	24.00	0.94	0.06	1.125	0.07

LTE Band 12	QPSK (10MHz)	Front	20850	2510	1	0	23.54	24.00	-0.27	0.08	1.112	0.09
					25	0	23.49	24.00	1.76	0.07	1.125	0.08
		Back	20850	2510	1	0	23.54	24.00	-3.59	0.16	1.112	0.18
					25	0	23.49	24.00	0.59	0.14	1.125	0.16
		Right	20850	2510	1	0	23.54	24.00	2.63	0.01	1.112	0.01
					25	0	23.49	24.00	0.74	0.01	1.125	0.01
		Left	20850	2510	1	0	23.54	24.00	0.18	0.01	1.112	0.01
					25	0	23.49	24.00	-1.68	0.01	1.125	0.01
		Bottom	20850	2510	1	0	23.54	24.00	2.67	0.01	1.112	0.01
					25	0	23.49	24.00	0.55	0.01	1.125	0.01
		Top	20850	2510	1	0	23.54	24.00	1.76	0.01	1.112	0.01
					25	0	23.49	24.00	-1.50	0.01	1.125	0.01
LTE Band 13	QPSK (10MHz)	Front	23230	782	1	0	17.89	18.00	1.86	0.16	1.026	0.16
					25	0	17.86	18.00	0.53	0.18	1.033	0.19
		Back	23230	782	1	0	17.89	18.00	0.99	0.34	1.026	0.35
					25	0	17.86	18.00	-1.59	0.33	1.033	0.34
		Right	23230	782	1	0	17.89	18.00	0.50	0.02	1.026	0.02
					25	0	17.86	18.00	1.62	0.02	1.033	0.02
		Left	23230	782	1	0	17.89	18.00	-1.76	0.02	1.026	0.02
					25	0	17.86	18.00	0.82	0.03	1.033	0.03
		Bottom	23230	782	1	0	17.89	18.00	-1.99	0.02	1.026	0.02
					25	0	17.86	18.00	0.28	0.02	1.033	0.02
		Top	23230	782	1	0	17.89	18.00	2.69	0.02	1.026	0.02
					25	0	17.86	18.00	0.25	0.03	1.033	0.03
LTE Band 17	QPSK (10MHz)	Front	23800	711	1	0	14.45	14.50	-0.59	0.11	1.012	0.11
					25	0	14.41	14.50	1.62	0.12	1.021	0.12
		Back	23800	711	1	0	14.45	14.50	0.17	0.21	1.012	0.21
					25	0	14.41	14.50	0.84	0.19	1.021	0.19
		Right	23800	711	1	0	14.45	14.50	0.27	0.02	1.012	0.02
					25	0	14.41	14.50	1.67	0.02	1.021	0.02
		Left	23800	711	1	0	14.45	14.50	-2.88	0.01	1.012	0.01
					25	0	14.41	14.50	1.63	0.02	1.021	0.02
		Bottom	23800	711	1	0	14.45	14.50	0.58	0.01	1.012	0.01
					25	0	14.41	14.50	1.62	0.02	1.021	0.02
		Top	23800	711	1	0	14.45	14.50	0.85	0.01	1.012	0.01
					25	0	14.41	14.50	-1.92	0.02	1.021	0.02

LTE Band 19	QPSK (15MHz)	Front	24075	837.5	1	0	18.19	18.50	-3.18	0.06	1.074	0.06
					37	0	18.18	18.50	2.54	0.05	1.076	0.05
		Back	24075	837.5	1	0	18.19	18.50	1.72	0.11	1.074	0.12
					37	0	18.18	18.50	0.52	0.10	1.076	0.11
		Right	24075	837.5	1	0	18.19	18.50	1.96	0.01	1.074	0.01
					37	0	18.18	18.50	-1.76	0.02	1.076	0.02
		Left	24075	837.5	1	0	18.19	18.50	0.81	0.01	1.074	0.01
					37	0	18.18	18.50	-3.18	0.01	1.076	0.01
		Bottom	24075	837.5	1	0	18.19	18.50	2.60	0.01	1.074	0.01
					37	0	18.18	18.50	0.81	0.01	1.076	0.01
		Top	24075	837.5	1	0	18.19	18.50	-1.89	0.01	1.074	0.01
					37	0	18.18	18.50	0.58	0.01	1.076	0.01
LTE Band 26-1	QPSK (10MHz)	Front	26740	819	1	0	18.37	18.50	-3.58	0.11	1.030	0.11
					25	0	18.39	18.50	1.67	0.13	1.026	0.13
		Back	26740	819	1	0	18.37	18.50	-2.90	0.26	1.030	0.27
					25	0	18.39	18.50	0.85	0.24	1.026	0.25
		Right	26740	819	1	0	18.37	18.50	2.62	0.02	1.030	0.02
					25	0	18.39	18.50	-1.76	0.01	1.026	0.01
		Left	26740	819	1	0	18.37	18.50	-2.76	0.01	1.030	0.01
					25	0	18.39	18.50	0.57	0.01	1.026	0.01
		Bottom	26740	819	1	0	18.37	18.50	1.62	0.01	1.030	0.01
					25	0	18.39	18.50	0.87	0.01	1.026	0.01
		Top	26740	819	1	0	18.37	18.50	-2.47	0.01	1.030	0.01
					25	0	18.39	18.50	-0.55	0.01	1.026	0.01
LTE Band 26-2	QPSK (15MHz)	Front	26865	831.5	1	0	18.37	18.50	0.95	0.12	1.030	0.12
					38	0	18.37	18.50	1.62	0.11	1.030	0.11
		Back	26865	831.5	1	0	18.37	18.50	0.62	0.23	1.030	0.24
					38	0	18.37	18.50	0.87	0.22	1.030	0.23
		Right	26865	831.5	1	0	18.37	18.50	-1.62	0.01	1.030	0.01
					38	0	18.37	18.50	0.89	0.01	1.030	0.01
		Left	26865	831.5	1	0	18.37	18.50	-2.61	0.01	1.030	0.01
					38	0	18.37	18.50	0.87	0.01	1.030	0.01
		Bottom	26865	831.5	1	0	18.37	18.50	1.63	0.01	1.030	0.01
					38	0	18.37	18.50	-2.57	0.01	1.030	0.01
		Top	26865	831.5	1	0	18.37	18.50	2.63	0.01	1.030	0.01
					38	0	18.37	18.50	0.84	0.01	1.030	0.01

LTE Band 41	QPSK (20MHz)	Front	40620	2593	1	0	28.99	29.00	-2.87	0.31	1.002	0.31
					50	0	28.35	29.00	-0.34	0.35	1.161	0.41
		Back	40620	2593	1	0	28.99	29.00	1.59	0.60	1.002	0.60
					50	0	28.35	29.00	0.94	0.57	1.161	0.66
		Right	40620	2593	1	0	28.99	29.00	1.27	0.03	1.002	0.03
					50	0	28.35	29.00	0.66	0.04	1.161	0.05
		Left	40620	2593	1	0	28.99	29.00	-1.79	0.04	1.002	0.04
					50	0	28.35	29.00	0.62	0.03	1.161	0.03
		Bottom	40620	2593	1	0	28.99	29.00	-1.79	0.04	1.002	0.04
					50	0	28.35	29.00	0.51	0.03	1.161	0.03
		Top	40620	2593	1	0	28.99	29.00	0.79	0.03	1.002	0.03
					50	0	28.35	29.00	0.54	0.03	1.161	0.03
LTE Band 66	QPSK (20MHz)	Front	132572	1770	1	0	23.14	23.50	-3.28	0.16	1.086	0.17
					50	0	23.05	23.50	1.76	0.14	1.109	0.16
		Back	132572	1770	1	0	23.14	23.50	-2.06	0.32	1.086	0.35
					50	0	23.05	23.50	-0.55	0.30	1.109	0.33
		Right	132572	1770	1	0	23.14	23.50	-1.61	0.02	1.086	0.02
					50	0	23.05	23.50	0.76	0.02	1.109	0.02
		Left	132572	1770	1	0	23.14	23.50	2.61	0.02	1.086	0.02
					50	0	23.05	23.50	-1.79	0.02	1.109	0.02
		Bottom	132572	1770	1	0	23.14	23.50	0.57	0.02	1.086	0.02
					50	0	23.05	23.50	-0.25	0.03	1.109	0.03
		Top	132572	1770	1	0	23.14	23.50	3.08	0.01	1.086	0.01
					50	0	23.05	23.50	-0.85	0.01	1.109	0.01

Note:

- Per KDB447498 D04, for each exposure position, if the highest output power channel Reported SAR $\leq 0.8W/kg$, other channels SAR testing is not necessary.
- Per KDB447498 D04, body-worn with hotspot use is evaluated with the device positioned at 10 mm from a flat phantom filled with head tissue-equivalent medium.
- Per KDB447498 D04, the report SAR is measured SAR value adjusted for maximum tune-up tolerance. Scaling Factor = $10^{[(\text{tune-up limit power(dBm)} - \text{Ave. power (dBm)})/10]}$, where tune-up limit is the maximum rated power among all production units.
Reported SAR(W/kg) = Measured SAR (W/kg) * Scaling Factor.
- Per KDB865664D01 v01r04 perform a second repeated measurement only the ratio of largest to smallest SAR for the original and first repeated measurement is >1.20 or when the original or repeated measurement is $\geq 1.45W/kg$.
- Perform a second measurement only if the original, first and second repeated measurement is $\geq 1.5w/kg$ and the ratio of largest to smallest SAR for the original, first and second repeated measurement is >1.20 .

Band	Freq. (MHz)	Test Position	CH.	Mode	RB allocation	RB offset	Ave. Power (dBm)	Tune-Up Limit (dBm)	Power Drift (%)	Meas. SAR1g (W/kg)	Scaling Factor	Reported SAR1g (W/kg)
5G NR N2	Front	372000	1860	DFT-BPSK (20MHz)	1	1	23.58	24.00	-2.60	0.24	1.102	0.26
				DFT-QPSK (20MHz)	1	1	23.52	24.00	1.75	0.23	1.117	0.26
	Back	372000	1860	DFT-BPSK (20MHz)	1	1	23.58	24.00	0.92	0.48	1.102	0.53
				DFT-QPSK (20MHz)	1	1	23.52	24.00	-0.17	0.46	1.117	0.51
	Right	372000	1860	DFT-BPSK (20MHz)	1	1	23.58	24.00	0.66	0.03	1.102	0.03
				DFT-QPSK (20MHz)	1	1	23.52	24.00	-2.91	0.03	1.117	0.03
	Left	372000	1860	DFT-BPSK (20MHz)	1	1	23.58	24.00	0.85	0.02	1.102	0.02
				DFT-QPSK (20MHz)	1	1	23.52	24.00	-1.75	0.02	1.117	0.02
	Bottom	372000	1860	DFT-BPSK (20MHz)	1	1	23.58	24.00	1.35	0.02	1.102	0.02
				DFT-QPSK (20MHz)	1	1	23.52	24.00	-1.57	0.03	1.117	0.03
	Top	372000	1860	DFT-BPSK (20MHz)	1	1	23.58	24.00	0.87	0.02	1.102	0.02
				DFT-QPSK (20MHz)	1	1	23.52	24.00	1.62	0.02	1.117	0.02
5G NR N5	Front	167300	836.5	DFT-BPSK (20MHz)	1	1	18.70	19.00	-3.20	0.12	1.072	0.13
				DFT-QPSK (20MHz)	1	1	18.70	19.00	0.81	0.11	1.072	0.12
	Back	167300	836.5	DFT-BPSK (20MHz)	1	1	18.70	19.00	-1.19	0.23	1.072	0.25
				DFT-QPSK (20MHz)	1	1	18.70	19.00	1.62	0.21	1.072	0.23
	Right	167300	836.5	DFT-BPSK (20MHz)	1	1	18.70	19.00	-1.75	0.02	1.072	0.02
				DFT-QPSK (20MHz)	1	1	18.70	19.00	0.58	0.02	1.072	0.02
	Left	167300	836.5	DFT-BPSK (20MHz)	1	1	18.70	19.00	0.55	0.01	1.072	0.01
				DFT-QPSK (20MHz)	1	1	18.70	19.00	-1.60	0.01	1.072	0.01
	Bottom	167300	836.5	DFT-BPSK (20MHz)	1	1	18.70	19.00	2.75	0.02	1.072	0.02
				DFT-QPSK (20MHz)	1	1	18.70	19.00	1.62	0.01	1.072	0.01
	Top	167300	836.5	DFT-BPSK (20MHz)	1	1	18.70	19.00	-0.89	0.02	1.072	0.02
				DFT-QPSK (20MHz)	1	1	18.70	19.00	1.72	0.02	1.072	0.02

5G NR N7	Front	507000	2535	DFT-BPSK (20MHz)	1	1	23.67	24.00	-2.60	0.24	1.079	0.26
				DFT-QPSK (20MHz)	1	1	23.66	24.00	1.52	0.21	1.081	0.23
	Back	507000	2535	DFT-BPSK (20MHz)	1	1	23.67	24.00	-0.07	0.50	1.079	0.54
				DFT-QPSK (20MHz)	1	1	23.66	24.00	2.99	0.47	1.081	0.51
	Right	507000	2535	DFT-BPSK (20MHz)	1	1	23.67	24.00	0.52	0.04	1.079	0.04
				DFT-QPSK (20MHz)	1	1	23.66	24.00	1.75	0.03	1.081	0.03
	Left	507000	2535	DFT-BPSK (20MHz)	1	1	23.67	24.00	2.32	0.04	1.079	0.04
				DFT-QPSK (20MHz)	1	1	23.66	24.00	-1.75	0.04	1.081	0.04
	Bottom	507000	2535	DFT-BPSK (20MHz)	1	1	23.67	24.00	2.06	0.03	1.079	0.03
				DFT-QPSK (20MHz)	1	1	23.66	24.00	-1.79	0.03	1.081	0.03
5G NR N26-1	Front	163800	819	DFT-BPSK (10MHz)	1	1	18.59	19.00	0.84	0.11	1.099	0.12
				DFT-QPSK (10MHz)	1	1	18.58	19.00	1.75	0.11	1.102	0.12
	Back	163800	819	DFT-BPSK (10MHz)	1	1	18.59	19.00	0.17	0.21	1.099	0.23
				DFT-QPSK (10MHz)	1	1	18.58	19.00	0.92	0.19	1.102	0.21
	Right	163800	819	DFT-BPSK (10MHz)	1	1	18.59	19.00	0.22	0.02	1.099	0.02
				DFT-QPSK (10MHz)	1	1	18.58	19.00	-3.17	0.01	1.102	0.01
	Left	163800	819	DFT-BPSK (10MHz)	1	1	18.59	19.00	0.20	0.01	1.099	0.01
				DFT-QPSK (10MHz)	1	1	18.58	19.00	1.77	0.02	1.102	0.02
	Bottom	163800	819	DFT-BPSK (10MHz)	1	1	18.59	19.00	1.62	0.01	1.099	0.01
				DFT-QPSK (10MHz)	1	1	18.58	19.00	0.84	0.01	1.102	0.01
5G NR N26-2	Front	167300	836.5	DFT-BPSK (20MHz)	1	1	18.61	19.00	1.25	0.20	1.094	0.22
				DFT-QPSK (20MHz)	1	1	18.61	19.00	-2.61	0.16	1.094	0.18
	Back	167300	836.5	DFT-BPSK (20MHz)	1	1	18.61	19.00	0.92	0.38	1.094	0.42
				DFT-QPSK (20MHz)	1	1	18.61	19.00	1.84	0.37	1.094	0.40
	Right	167300	836.5	DFT-BPSK (20MHz)	1	1	18.61	19.00	1.92	0.03	1.094	0.03
				DFT-QPSK (20MHz)	1	1	18.61	19.00	-0.84	0.02	1.094	0.02
	Left	167300	836.5	DFT-BPSK (20MHz)	1	1	18.61	19.00	1.75	0.02	1.094	0.02
				DFT-QPSK (20MHz)	1	1	18.61	19.00	0.92	0.02	1.094	0.02
	Bottom	167300	836.5	DFT-BPSK (20MHz)	1	1	18.61	19.00	4.72	0.02	1.094	0.02
				DFT-QPSK (20MHz)	1	1	18.61	19.00	0.81	0.02	1.094	0.02
	Top	167300	836.5	DFT-BPSK (20MHz)	1	1	18.61	19.00	-0.30	0.02	1.094	0.02
				DFT-QPSK (20MHz)	1	1	18.61	19.00	0.87	0.02	1.094	0.02

5G NR N41	Front	509202	2546.0 1	DFT-BPSK (100MHz)	1	1	28.95	29.00	-0.66	0.14	1.012	0.14
				DFT-QPSK (100MHz)	1	1	28.89	29.00	2.18	0.16	1.026	0.16
	Back	509202	2546.0 1	DFT-BPSK (100MHz)	1	1	28.95	29.00	-1.81	0.33	1.012	0.33
				DFT-QPSK (100MHz)	1	1	28.89	29.00	1.75	0.32	1.026	0.33
	Right	509202	2546.0 1	DFT-BPSK (100MHz)	1	1	28.95	29.00	0.22	0.02	1.012	0.02
				DFT-QPSK (100MHz)	1	1	28.89	29.00	0.96	0.02	1.026	0.02
	Left	509202	2546.0 1	DFT-BPSK (100MHz)	1	1	28.95	29.00	-1.79	0.01	1.012	0.01
				DFT-QPSK (100MHz)	1	1	28.89	29.00	2.60	0.02	1.026	0.02
5G NR N66	Bottom	509202	2546.0 1	DFT-BPSK (100MHz)	1	1	28.95	29.00	0.47	0.02	1.012	0.02
				DFT-QPSK (100MHz)	1	1	28.89	29.00	2.60	0.01	1.026	0.01
	Top	509202	2546.0 1	DFT-BPSK (100MHz)	1	1	28.95	29.00	0.285	0.02	1.012	0.02
				DFT-QPSK (100MHz)	1	1	28.89	29.00	2.15	0.01	1.026	0.01
	Front	344000	1720	DFT-BPSK (20MHz)	1	1	22.67	23.00	-0.33	0.32	1.079	0.35
				DFT-QPSK (20MHz)	1	1	22.59	23.00	1.94	0.31	1.099	0.34
	Back	344000	1720	DFT-BPSK (20MHz)	1	1	22.67	23.00	-0.95	0.57	1.079	0.61
				DFT-QPSK (20MHz)	1	1	22.59	23.00	2.63	0.54	1.099	0.59
	Right	344000	1720	DFT-BPSK (20MHz)	1	1	22.67	23.00	-0.87	0.03	1.079	0.03
				DFT-QPSK (20MHz)	1	1	22.59	23.00	2.63	0.04	1.099	0.04
	Left	344000	1720	DFT-BPSK (20MHz)	1	1	22.67	23.00	0.28	0.03	1.079	0.03
				DFT-QPSK (20MHz)	1	1	22.59	23.00	-2.60	0.03	1.099	0.03
	Bottom	344000	1720	DFT-BPSK (20MHz)	1	1	22.67	23.00	0.79	0.04	1.079	0.04
				DFT-QPSK (20MHz)	1	1	22.59	23.00	1.79	0.03	1.099	0.03
	Top	344000	1720	DFT-BPSK (20MHz)	1	1	22.67	23.00	-2.60	0.02	1.079	0.02
				DFT-QPSK (20MHz)	1	1	22.59	23.00	0.77	0.03	1.099	0.03

5G NR N77	Front	650000	3750	DFT-BPSK (100MHz)	1	1	28.38	28.50	2.60	0.27	1.028	0.28
				DFT-QPSK (100MHz)	1	1	28.35	28.50	-2.96	0.29	1.035	0.30
	Back	650000	3750	DFT-BPSK (100MHz)	1	1	28.38	28.50	0.91	0.53	1.028	0.54
				DFT-QPSK (100MHz)	1	1	28.35	28.50	1.72	0.49	1.035	0.51
	Right	650000	3750	DFT-BPSK (100MHz)	1	1	28.38	28.50	-0.87	0.03	1.028	0.03
				DFT-QPSK (100MHz)	1	1	28.35	28.50	0.85	0.03	1.035	0.03
	Left	650000	3750	DFT-BPSK (100MHz)	1	1	28.38	28.50	-4.02	0.03	1.028	0.03
				DFT-QPSK (100MHz)	1	1	28.35	28.50	-0.22	0.03	1.035	0.03
	Bottom	650000	3750	DFT-BPSK (100MHz)	1	1	28.38	28.50	1.76	0.03	1.028	0.03
				DFT-QPSK (100MHz)	1	1	28.35	28.50	-2.71	0.03	1.035	0.03
	Top	650000	3750	DFT-BPSK (100MHz)	1	1	28.38	28.50	0.27	0.03	1.028	0.03
				DFT-QPSK (100MHz)	1	1	28.35	28.50	-2.30	0.03	1.035	0.03
5G NR N78	Front	633334	3500.01	DFT-BPSK (100MHz)	1	1	26.88	27.00	-1.85	0.15	1.028	0.15
				DFT-QPSK (100MHz)	1	1	26.80	27.00	0.52	0.18	1.047	0.19
	Back	633334	3500.01	DFT-BPSK (100MHz)	1	1	26.88	27.00	0.88	0.35	1.028	0.36
				DFT-QPSK (100MHz)	1	1	26.80	27.00	1.76	0.31	1.047	0.32
	Right	633334	3500.01	DFT-BPSK (100MHz)	1	1	26.88	27.00	0.79	0.02	1.028	0.02
				DFT-QPSK (100MHz)	1	1	26.80	27.00	1.52	0.01	1.047	0.01
	Left	633334	3500.01	DFT-BPSK (100MHz)	1	1	26.88	27.00	-0.75	0.01	1.028	0.01
				DFT-QPSK (100MHz)	1	1	26.80	27.00	-2.42	0.01	1.047	0.01
	Bottom	633334	3500.01	DFT-BPSK (100MHz)	1	1	26.88	27.00	0.99	0.01	1.028	0.01
				DFT-QPSK (100MHz)	1	1	26.80	27.00	1.75	0.01	1.047	0.01
	Top	633334	3500.01	DFT-BPSK (100MHz)	1	1	26.88	27.00	-1.63	0.02	1.028	0.02
				DFT-QPSK (100MHz)	1	1	26.80	27.00	0.84	0.01	1.047	0.01

10.4. Simultaneous Transmission Conclusion

Multi-Band Simultaneous Transmission Considerations

According to FCC KDB Publication 447498 D01v05r02, transmitters are considered to be transmitting simultaneously when there is overlapping transmission, with the exception of transmissions during network hand-offs with maximum hand-off duration less than 30 seconds. Possible transmission paths for the EUT are shown in below Figure and are color-coded to indicate communication modes which share the same path. Modes which share the same transmission path cannot transmit simultaneously with one another.



Simultaneous Transmission Possibilities

The Simultaneous Transmission Possibilities of this device are as below:

NO.	Configuration	Head	Body-Worn	Hotspot
1	GSM850/1900(Voice)+WIFI(2.4/5G)	YES	YES	NO
2	GPRS 850/1900(DATA)+WIFI(2.4)	NO	YES	YES
3	GPRS 850/1900(DATA)+WIFI(5G)	NO	YES	NO
4	WCDMA+ WIFI(2.4)	YES	YES	YES
5	WCDMA+ WIFI(5G)	YES	YES	NO
6	LTE+WIFI(2.4)	YES	YES	YES
7	LTE+WIFI(5G)	YES	YES	NO
8	5G NR+WIFI(2.4)	YES	YES	YES
9	5G NR +WIFI(5G)	YES	YES	NO
10	GSM850/1900(Voice)+BT	YES	YES	NO
11	GPRS/EDGE 850/1900(DATA)+BT	YES	YES	NO
12	WCDMA+ BT	YES	YES	NO
13	LTE+BT	YES	YES	NO
14	5G NR+BT	YES	YES	NO

10.5. SAR Simultaneous Transmission Analysis

Band	Test Position	Scaled SAR				Σ SAR (W/kg)	SPLSR	Remark
		Head	WIFI 2.4G	WIFI 5 G	BT			
GSM850 (voice)	Left Cheek	0.23	0.39	0.23	0.13	0.62	N/A	N/A
	Left Tilt	0.13	0.22	0.14	0.05	0.35	N/A	N/A
	Right Cheek	0.21	0.45	0.24	0.11	0.66	N/A	N/A
	Right Tilt	0.11	0.25	0.11	0.06	0.36	N/A	N/A
GSM1900 (voice)	Left Cheek	0.35	0.39	0.23	0.13	0.74	N/A	N/A
	Left Tilt	0.18	0.22	0.14	0.05	0.40	N/A	N/A
	Right Cheek	0.32	0.45	0.24	0.11	0.77	N/A	N/A
	Right Tilt	0.20	0.25	0.11	0.06	0.45	N/A	N/A
WCDMA Band II	Left Cheek	0.16	0.39	0.23	0.13	0.55	N/A	N/A
	Left Tilt	0.07	0.22	0.14	0.05	0.29	N/A	N/A
	Right Cheek	0.14	0.45	0.24	0.11	0.69	N/A	N/A
	Right Tilt	0.07	0.25	0.11	0.06	0.32	N/A	N/A
WCDMA Band IV	Left Cheek	0.54	0.39	0.23	0.13	0.93	N/A	N/A
	Left Tilt	0.27	0.22	0.14	0.05	0.49	N/A	N/A
	Right Cheek	0.53	0.45	0.24	0.11	0.98	N/A	N/A
	Right Tilt	0.29	0.25	0.11	0.06	0.54	N/A	N/A
WCDMA Band V	Left Cheek	0.19	0.39	0.23	0.13	0.58	N/A	N/A
	Left Tilt	0.11	0.22	0.14	0.05	0.33	N/A	N/A
	Right Cheek	0.17	0.45	0.24	0.11	0.62	N/A	N/A
	Right Tilt	0.12	0.25	0.11	0.06	0.37	N/A	N/A
CDMA BCO	Left Cheek	0.26	0.39	0.23	0.13	0.65	N/A	N/A
	Left Tilt	0.13	0.22	0.14	0.05	0.35	N/A	N/A
	Right Cheek	0.21	0.45	0.24	0.11	0.66	N/A	N/A
	Right Tilt	0.12	0.25	0.11	0.06	0.37	N/A	N/A

Band	Test Position	RB allocation	Scaled				Σ SAR (W/kg)	SPLSR	Remark
			Head	WIFI2.4G	WIFI 5G	Bluetooth			
LTE Band 2 QPSK (20MHz)	Right Cheek	1	0.30	0.45	0.24	0.11	0.75	N/A	N/A
		50	0.34	0.45	0.24	0.11	0.79	N/A	N/A
	Right Tilt	1	0.14	0.25	0.11	0.06	0.39	N/A	N/A
		50	0.15	0.25	0.11	0.06	0.40	N/A	N/A
	Left Cheek	1	0.36	0.39	0.23	0.13	0.75	N/A	N/A
		50	0.35	0.39	0.23	0.13	0.74	N/A	N/A
	Left Tilt	1	0.15	0.22	0.14	0.05	0.37	N/A	N/A
		50	0.12	0.22	0.14	0.05	0.34	N/A	N/A

LTE Band 4 QPSK (20MHz)	Right Cheek	1	0.30	0.45	0.24	0.11	0.75	N/A	N/A
		50	0.32	0.45	0.24	0.11	0.77	N/A	N/A
	Right Tilt	1	0.14	0.25	0.11	0.06	0.39	N/A	N/A
		50	0.16	0.25	0.11	0.06	0.41	N/A	N/A
	Left Cheek	1	0.33	0.39	0.23	0.13	0.72	N/A	N/A
		50	0.32	0.39	0.23	0.13	0.71	N/A	N/A
	Left Tilt	1	0.16	0.22	0.14	0.05	0.38	N/A	N/A
		50	0.16	0.22	0.14	0.05	0.38	N/A	N/A
LTE Band 5 QPSK (10MHz)	Right Cheek	1	0.16	0.45	0.24	0.11	0.61	N/A	N/A
		25	0.14	0.45	0.24	0.11	0.59	N/A	N/A
	Right Tilt	1	0.09	0.25	0.11	0.06	0.34	N/A	N/A
		25	0.10	0.25	0.11	0.06	0.35	N/A	N/A
	Left Cheek	1	0.18	0.39	0.23	0.13	0.57	N/A	N/A
		25	0.15	0.39	0.23	0.13	0.54	N/A	N/A
	Left Tilt	1	0.09	0.22	0.14	0.05	0.31	N/A	N/A
		25	0.07	0.22	0.14	0.05	0.29	N/A	N/A
LTE Band 7 QPSK (20MHz)	Right Cheek	1	0.40	0.45	0.24	0.11	0.85	N/A	N/A
		50	0.45	0.45	0.24	0.11	0.90	N/A	N/A
	Right Tilt	1	0.27	0.25	0.11	0.06	0.52	N/A	N/A
		50	0.22	0.25	0.11	0.06	0.47	N/A	N/A
	Left Cheek	1	0.47	0.39	0.23	0.13	0.86	N/A	N/A
		50	0.44	0.39	0.23	0.13	0.83	N/A	N/A
	Left Tilt	1	0.24	0.22	0.14	0.05	0.46	N/A	N/A
		50	0.24	0.22	0.14	0.05	0.46	N/A	N/A
LTE Band 12 QPSK (10MHz)	Right Cheek	1	0.06	0.45	0.24	0.11	0.51	N/A	N/A
		25	0.06	0.45	0.24	0.11	0.51	N/A	N/A
	Right Tilt	1	0.03	0.25	0.11	0.06	0.28	N/A	N/A
		25	0.04	0.25	0.11	0.06	0.29	N/A	N/A
	Left Cheek	1	0.07	0.39	0.23	0.13	0.46	N/A	N/A
		25	0.06	0.39	0.23	0.13	0.45	N/A	N/A
	Left Tilt	1	0.04	0.22	0.14	0.05	0.26	N/A	N/A
		25	0.03	0.22	0.14	0.05	0.25	N/A	N/A
LTE Band 13 QPSK (10MHz)	Right Cheek	1	0.08	0.45	0.24	0.11	0.53	N/A	N/A
		25	0.10	0.45	0.24	0.11	0.55	N/A	N/A
	Right Tilt	1	0.06	0.25	0.11	0.06	0.31	N/A	N/A
		25	0.06	0.25	0.11	0.06	0.31	N/A	N/A
	Left Cheek	1	0.13	0.39	0.23	0.13	0.52	N/A	N/A
		25	0.11	0.39	0.23	0.13	0.50	N/A	N/A
	Left Tilt	1	0.04	0.22	0.14	0.05	0.26	N/A	N/A
		25	0.06	0.22	0.14	0.05	0.28	N/A	N/A

LTE Band 17 QPSK (10MHz)	Right Cheek	1	0.12	0.45	0.24	0.11	0.57	N/A	N/A
		25	0.10	0.45	0.24	0.11	0.55	N/A	N/A
	Right Tilt	1	0.07	0.25	0.11	0.06	0.32	N/A	N/A
		25	0.06	0.25	0.11	0.06	0.31	N/A	N/A
	Left Cheek	1	0.13	0.39	0.23	0.13	0.52	N/A	N/A
		25	0.12	0.39	0.23	0.13	0.51	N/A	N/A
	Left Tilt	1	0.07	0.22	0.14	0.05	0.29	N/A	N/A
		25	0.05	0.22	0.14	0.05	0.27	N/A	N/A
LTE Band 19 QPSK (15MHz)	Right Cheek	1	0.18	0.45	0.24	0.11	0.63	N/A	N/A
		37	0.16	0.45	0.24	0.11	0.61	N/A	N/A
	Right Tilt	1	0.11	0.25	0.11	0.06	0.36	N/A	N/A
		37	0.10	0.25	0.11	0.06	0.35	N/A	N/A
	Left Cheek	1	0.19	0.39	0.23	0.13	0.58	N/A	N/A
		37	0.17	0.39	0.23	0.13	0.56	N/A	N/A
	Left Tilt	1	0.10	0.22	0.14	0.05	0.32	N/A	N/A
		37	0.10	0.22	0.14	0.05	0.32	N/A	N/A
LTE Band 26-1 QPSK (10MHz)	Right Cheek	1	0.06	0.45	0.24	0.11	0.51	N/A	N/A
		25	0.05	0.45	0.24	0.11	0.50	N/A	N/A
	Right Tilt	1	0.03	0.25	0.11	0.06	0.28	N/A	N/A
		25	0.03	0.25	0.11	0.06	0.28	N/A	N/A
	Left Cheek	1	0.07	0.39	0.23	0.13	0.46	N/A	N/A
		25	0.06	0.39	0.23	0.13	0.45	N/A	N/A
	Left Tilt	1	0.03	0.22	0.14	0.05	0.25	N/A	N/A
		25	0.04	0.22	0.14	0.05	0.26	N/A	N/A
LTE Band 26-2 QPSK (15MHz)	Right Cheek	1	0.23	0.45	0.24	0.11	0.68	N/A	N/A
		38	0.22	0.45	0.24	0.11	0.67	N/A	N/A
	Right Tilt	1	0.12	0.25	0.11	0.06	0.37	N/A	N/A
		38	0.13	0.25	0.11	0.06	0.38	N/A	N/A
	Left Cheek	1	0.24	0.39	0.23	0.13	0.63	N/A	N/A
		38	0.21	0.39	0.23	0.13	0.60	N/A	N/A
	Left Tilt	1	0.10	0.22	0.14	0.05	0.32	N/A	N/A
		38	0.12	0.22	0.14	0.05	0.34	N/A	N/A

LTE Band 41(HPUE) QPSK (20MHz)	Right Cheek	1	0.06	0.45	0.24	0.11	0.51	N/A	N/A
		50	0.07	0.45	0.24	0.11	0.52	N/A	N/A
	Right Tilt	1	0.03	0.25	0.11	0.06	0.28	N/A	N/A
		50	0.03	0.25	0.11	0.06	0.28	N/A	N/A
	Left Cheek	1	0.07	0.39	0.23	0.13	0.46	N/A	N/A
		50	0.07	0.39	0.23	0.13	0.46	N/A	N/A
	Left Tilt	1	0.04	0.22	0.14	0.05	0.26	N/A	N/A
		50	0.03	0.22	0.14	0.05	0.25	N/A	N/A
LTE Band 66 QPSK (20MHz)	Right Cheek	1	0.54	0.45	0.24	0.11	0.99	N/A	N/A
		50	0.53	0.45	0.24	0.11	0.98	N/A	N/A
	Right Tilt	1	0.33	0.25	0.11	0.06	0.58	N/A	N/A
		50	0.31	0.25	0.11	0.06	0.26	N/A	N/A
	Left Cheek	1	0.56	0.39	0.23	0.13	0.95	N/A	N/A
		50	0.54	0.39	0.23	0.13	0.92	N/A	N/A
	Left Tilt	1	0.28	0.22	0.14	0.05	0.50	N/A	N/A
		50	0.30	0.22	0.14	0.05	0.52	N/A	N/A

Band	Test Position	RB allocation	Mode	Scaled				Σ SAR (W/kg)	SPLSR	Remark
				Head	WIFI2.4G	WIFI 5G	Bluetooth			
5G NR N2	Right Cheek	1	DFT-BPSK (20MHz)	0.31	0.45	0.24	0.11	0.76	N/A	N/A
		1	DFT-QPSK (20MHz)	0.28	0.45	0.24	0.11	0.73	N/A	N/A
	Right Tilt	1	DFT-BPSK (20MHz)	0.15	0.25	0.11	0.06	0.40	N/A	N/A
		1	DFT-QPSK (20MHz)	0.13	0.25	0.11	0.06	0.38	N/A	N/A
	Left Cheek	1	DFT-BPSK (20MHz)	0.32	0.39	0.23	0.13	0.71	N/A	N/A
		1	DFT-QPSK (20MHz)	0.30	0.39	0.23	0.13	0.69	N/A	N/A
	Left Tilt	1	DFT-BPSK (20MHz)	0.17	0.22	0.14	0.05	0.39	N/A	N/A
		1	DFT-QPSK (20MHz)	0.15	0.22	0.14	0.05	0.37	N/A	N/A
5G NR N5	Right Cheek	1	DFT-BPSK (20MHz)	0.24	0.45	0.24	0.11	0.69	N/A	N/A
		1	DFT-QPSK (20MHz)	0.21	0.45	0.24	0.11	0.66	N/A	N/A
	Right Tilt	1	DFT-BPSK (20MHz)	0.13	0.25	0.11	0.06	0.38	N/A	N/A
		1	DFT-QPSK (20MHz)	0.12	0.25	0.11	0.06	0.37	N/A	N/A
	Left Cheek	1	DFT-BPSK (20MHz)	0.25	0.39	0.23	0.13	0.64	N/A	N/A
		1	DFT-QPSK (20MHz)	0.21	0.39	0.23	0.13	0.60	N/A	N/A
	Left Tilt	1	DFT-BPSK (20MHz)	0.10	0.22	0.14	0.05	0.32	N/A	N/A
		1	DFT-QPSK (20MHz)	0.13	0.22	0.14	0.05	0.35	N/A	N/A

5G NR N7	Right Cheek	1	DFT-BPSK (20MHz)	0.23	0.45	0.24	0.11	0.68	N/A	N/A
		1	DFT-QPSK (20MHz)	0.23	0.45	0.24	0.11	0.68	N/A	N/A
	Right Tilt	1	DFT-BPSK (20MHz)	0.13	0.25	0.11	0.06	0.38	N/A	N/A
		1	DFT-QPSK (20MHz)	0.11	0.25	0.11	0.06	0.36	N/A	N/A
	Left Cheek	1	DFT-BPSK (20MHz)	0.24	0.39	0.23	0.13	0.63	N/A	N/A
		1	DFT-QPSK (20MHz)	0.22	0.39	0.23	0.13	0.61	N/A	N/A
	Left Tilt	1	DFT-BPSK (20MHz)	0.09	0.22	0.14	0.05	0.31	N/A	N/A
		1	DFT-QPSK (20MHz)	0.11	0.22	0.14	0.05	0.33	N/A	N/A
5G NR N26-1	Right Cheek	1	DFT-BPSK (10MHz)	0.11	0.45	0.24	0.11	0.56	N/A	N/A
		1	DFT-QPSK (10MHz)	0.09	0.45	0.24	0.11	0.54	N/A	N/A
	Right Tilt	1	DFT-BPSK (10MHz)	0.04	0.25	0.11	0.06	0.29	N/A	N/A
		1	DFT-QPSK (10MHz)	0.03	0.25	0.11	0.06	0.28	N/A	N/A
	Left Cheek	1	DFT-BPSK (10MHz)	0.12	0.39	0.23	0.13	0.51	N/A	N/A
		1	DFT-QPSK (10MHz)	0.11	0.39	0.23	0.13	0.50	N/A	N/A
	Left Tilt	1	DFT-BPSK (10MHz)	0.04	0.22	0.14	0.05	0.26	N/A	N/A
		1	DFT-QPSK (10MHz)	0.06	0.22	0.14	0.05	0.28	N/A	N/A
5G NR N26-2	Right Cheek	1	DFT-BPSK (20MHz)	0.10	0.45	0.24	0.11	0.55	N/A	N/A
		1	DFT-QPSK (20MHz)	0.08	0.45	0.24	0.11	0.53	N/A	N/A
	Right Tilt	1	DFT-BPSK (20MHz)	0.03	0.25	0.11	0.06	0.28	N/A	N/A
		1	DFT-QPSK (20MHz)	0.03	0.25	0.11	0.06	0.28	N/A	N/A
	Left Cheek	1	DFT-BPSK (20MHz)	0.11	0.39	0.23	0.13	0.50	N/A	N/A
		1	DFT-QPSK (20MHz)	0.09	0.39	0.23	0.13	0.48	N/A	N/A
	Left Tilt	1	DFT-BPSK (20MHz)	0.04	0.22	0.14	0.05	0.26	N/A	N/A
		1	DFT-QPSK (20MHz)	0.03	0.22	0.14	0.05	0.25	N/A	N/A
5G NR N41	Right Cheek	1	DFT-BPSK (100MHz)	0.22	0.45	0.24	0.11	0.67	N/A	N/A
		1	DFT-QPSK (100MHz)	0.19	0.45	0.24	0.11	0.64	N/A	N/A
	Right Tilt	1	DFT-BPSK (100MHz)	0.10	0.25	0.11	0.06	0.35	N/A	N/A
		1	DFT-QPSK (100MHz)	0.08	0.25	0.11	0.06	0.33	N/A	N/A
	Left Cheek	1	DFT-BPSK (100MHz)	0.23	0.39	0.23	0.13	0.62	N/A	N/A
		1	DFT-QPSK (100MHz)	0.22	0.39	0.23	0.13	0.61	N/A	N/A
	Left Tilt	1	DFT-BPSK (100MHz)	0.12	0.22	0.14	0.05	0.34	N/A	N/A
		1	DFT-QPSK (100MHz)	0.12	0.22	0.14	0.05	0.34	N/A	N/A

5G NR N66	Right Cheek	1	DFT-BPSK (20MHz)	0.31	0.45	0.24	0.11	0.76	N/A	N/A
		1	DFT-QPSK (20MHz)	0.27	0.45	0.24	0.11	0.72	N/A	N/A
	Right Tilt	1	DFT-BPSK (20MHz)	0.14	0.25	0.11	0.06	0.39	N/A	N/A
		1	DFT-QPSK (20MHz)	0.14	0.25	0.11	0.06	0.39	N/A	N/A
	Left Cheek	1	DFT-BPSK (20MHz)	0.35	0.39	0.23	0.13	0.74	N/A	N/A
		1	DFT-QPSK (20MHz)	0.32	0.39	0.23	0.13	0.71	N/A	N/A
	Left Tilt	1	DFT-BPSK (20MHz)	0.17	0.22	0.14	0.05	0.39	N/A	N/A
		1	DFT-QPSK (20MHz)	0.15	0.22	0.14	0.05	0.37	N/A	N/A
5G NR N77	Right Cheek	1	DFT-BPSK (100MHz)	0.20	0.45	0.24	0.11	0.65	N/A	N/A
		1	DFT-QPSK (100MHz)	0.22	0.45	0.24	0.11	0.67	N/A	N/A
	Right Tilt	1	DFT-BPSK (100MHz)	0.12	0.25	0.11	0.06	0.37	N/A	N/A
		1	DFT-QPSK (100MHz)	0.12	0.25	0.11	0.06	0.37	N/A	N/A
	Left Cheek	1	DFT-BPSK (100MHz)	0.23	0.39	0.23	0.13	0.62	N/A	N/A
		1	DFT-QPSK (100MHz)	0.22	0.39	0.23	0.13	0.61	N/A	N/A
	Left Tilt	1	DFT-BPSK (100MHz)	0.11	0.22	0.14	0.05	0.33	N/A	N/A
		1	DFT-QPSK (100MHz)	0.11	0.22	0.14	0.05	0.33	N/A	N/A
5G NR N78	Right Cheek	1	DFT-BPSK (100MHz)	0.35	0.45	0.24	0.11	0.80	N/A	N/A
		1	DFT-QPSK (100MHz)	0.38	0.45	0.24	0.11	0.83	N/A	N/A
	Right Tilt	1	DFT-BPSK (100MHz)	0.17	0.25	0.11	0.06	0.42	N/A	N/A
		1	DFT-QPSK (100MHz)	0.16	0.25	0.11	0.06	0.41	N/A	N/A
	Left Cheek	1	DFT-BPSK (100MHz)	0.40	0.39	0.23	0.13	0.79	N/A	N/A
		1	DFT-QPSK (100MHz)	0.39	0.39	0.23	0.13	0.78	N/A	N/A
	Left Tilt	1	DFT-BPSK (100MHz)	0.16	0.22	0.14	0.05	0.38	N/A	N/A
		1	DFT-QPSK (100MHz)	0.18	0.22	0.14	0.05	0.40	N/A	N/A

Band	Test Position	Scaled SAR				Σ SAR (W/kg)	SPLSR	Remark
		Body-Worn	WIFI 2.4G	WIFI 5G	BT			
GSM850 (voice)	Front	0.08	0.17	0.14	0.03	0.25	N/A	N/A
	Back	0.17	0.24	0.28	0.04	0.45	N/A	N/A
GSM850 (GPRS 2slot)	Front	0.08	0.17	0.14	0.03	0.25	N/A	N/A
	Back	0.14	0.24	0.28	0.04	0.42	N/A	N/A
GSM1900 (voice)	Front	0.34	0.17	0.14	0.03	0.51	N/A	N/A
	Back	0.52	0.24	0.28	0.04	0.80	N/A	N/A
GSM1900 (GPRS 3slot)	Front	0.39	0.17	0.14	0.03	0.56	N/A	N/A
	Back	0.65	0.24	0.28	0.04	0.93	N/A	N/A
WCDMA Band II	Front	0.32	0.17	0.14	0.03	0.49	N/A	N/A
	Back	0.52	0.24	0.28	0.04	0.80	N/A	N/A
WCDMA Band IV	Front	0.16	0.17	0.14	0.03	0.33	N/A	N/A
	Back	0.28	0.24	0.28	0.04	0.52	N/A	N/A
WCDMA Band V	Front	0.13	0.17	0.14	0.03	0.30	N/A	N/A
	Back	0.18	0.24	0.28	0.04	0.46	N/A	N/A
CDMA BC0	Front	0.26	0.17	0.14	0.03	0.43	N/A	N/A
	Back	0.47	0.24	0.28	0.04	0.75	N/A	N/A

Band	Test Position	RB allocation	Scaled				Σ SAR (W/kg)	SPLSR	Remark
			Body-Worn	WIFI 2.4G	WIFI 5G	Bluetooth			
LTE Band 2 QPSK (20MHz)	Front	1	0.23	0.17	0.14	0.03	0.40	N/A	N/A
		50	0.21	0.17	0.14	0.03	0.38	N/A	N/A
	Back	1	0.45	0.24	0.28	0.04	0.73	N/A	N/A
		50	0.41	0.24	0.28	0.04	0.69	N/A	N/A
LTE Band 4 QPSK (20MHz)	Front	1	0.19	0.17	0.14	0.03	0.36	N/A	N/A
		50	0.15	0.17	0.14	0.03	0.32	N/A	N/A
	Back	1	0.42	0.24	0.28	0.04	0.70	N/A	N/A
		50	0.38	0.24	0.28	0.04	0.66	N/A	N/A
LTE Band 5 QPSK (10MHz)	Front	1	0.06	0.17	0.14	0.03	0.23	N/A	N/A
		25	0.05	0.17	0.14	0.03	0.22	N/A	N/A
	Back	1	0.13	0.24	0.28	0.04	0.37	N/A	N/A
		25	0.12	0.24	0.28	0.04	0.36	N/A	N/A
LTE Band 7 QPSK (20MHz)	Front	1	0.36	0.17	0.14	0.03	0.53	N/A	N/A
		50	0.33	0.17	0.14	0.03	0.50	N/A	N/A
	Back	1	0.68	0.24	0.28	0.04	0.96	N/A	N/A
		50	0.64	0.24	0.28	0.04	0.92	N/A	N/A

LTE Band 12 QPSK (10MHz)	Front	1	0.12	0.17	0.14	0.03	0.29	N/A	N/A
		25	0.10	0.17	0.14	0.03	0.27	N/A	N/A
	Back	1	0.22	0.24	0.28	0.04	0.50	N/A	N/A
		25	0.21	0.24	0.28	0.04	0.49	N/A	N/A
LTE Band 13 QPSK (10MHz)	Front	1	0.13	0.17	0.14	0.03	0.30	N/A	N/A
		25	0.10	0.17	0.14	0.03	0.27	N/A	N/A
	Back	1	0.26	0.24	0.28	0.04	0.54	N/A	N/A
		25	0.24	0.24	0.28	0.04	0.52	N/A	N/A
LTE Band 17 QPSK (10MHz)	Front	1	0.09	0.17	0.14	0.03	0.26	N/A	N/A
		25	0.11	0.17	0.14	0.03	0.28	N/A	N/A
	Back	1	0.18	0.24	0.28	0.04	0.46	N/A	N/A
		25	0.17	0.24	0.28	0.04	0.45	N/A	N/A
LTE Band 19 QPSK (15MHz)	Front	1	0.08	0.17	0.14	0.03	0.25	N/A	N/A
		37	0.05	0.17	0.14	0.03	0.22	N/A	N/A
	Back	1	0.13	0.24	0.28	0.04	0.41	N/A	N/A
		37	0.11	0.24	0.28	0.04	0.39	N/A	N/A
LTE Band 26-1 QPSK (10MHz)	Front	1	0.13	0.17	0.14	0.03	0.30	N/A	N/A
		25	0.17	0.17	0.14	0.03	0.34	N/A	N/A
	Back	1	0.31	0.24	0.28	0.04	0.59	N/A	N/A
		25	0.28	0.24	0.28	0.04	0.56	N/A	N/A
LTE Band 26-2 QPSK (15MHz)	Front	1	0.12	0.17	0.14	0.03	0.29	N/A	N/A
		38	0.08	0.17	0.14	0.03	0.25	N/A	N/A
	Back	1	0.23	0.24	0.28	0.04	0.47	N/A	N/A
		38	0.22	0.24	0.28	0.04	0.46	N/A	N/A
LTE Band 41(HPUE) QPSK (20MHz)	Front	1	0.23	0.17	0.14	0.03	0.40	N/A	N/A
		50	0.28	0.17	0.14	0.03	0.45	N/A	N/A
	Back	1	0.45	0.24	0.28	0.04	0.73	N/A	N/A
		50	0.49	0.24	0.28	0.04	0.77	N/A	N/A
LTE Band 66 QPSK (20MHz)	Front	1	0.16	0.17	0.14	0.03	0.33	N/A	N/A
		50	0.13	0.17	0.14	0.03	0.30	N/A	N/A
	Back	1	0.35	0.24	0.28	0.04	0.63	N/A	N/A
		50	0.30	0.24	0.28	0.04	0.58	N/A	N/A

Band	Test Position	RB allocation	Mode	Scaled				Σ SAR (W/kg)	SPLSR	Remark
				Body-Worn	WIFI 2.4G	WIFI 5G	Bluetooth			
G5 NR N2	Front	1	DFT-BPSK (20MHz)	0.25	0.17	0.14	0.03	0.42	N/A	N/A
		1	DFT-QPSK (20MHz)	0.30	0.17	0.14	0.03	0.47	N/A	N/A
	Back	1	DFT-BPSK (20MHz)	0.48	0.24	0.28	0.04	0.76	N/A	N/A
		1	DFT-QPSK (20MHz)	0.48	0.24	0.28	0.04	0.76	N/A	N/A
G5 NR N5	Front	1	DFT-BPSK (20MHz)	0.11	0.17	0.14	0.03	0.28	N/A	N/A
		1	DFT-QPSK (20MHz)	0.13	0.17	0.14	0.03	0.30	N/A	N/A
	Back	1	DFT-BPSK (20MHz)	0.24	0.24	0.28	0.04	0.52	N/A	N/A
		1	DFT-QPSK (20MHz)	0.20	0.24	0.28	0.04	0.48	N/A	N/A
G5 NR N7	Front	1	DFT-BPSK (20MHz)	0.27	0.17	0.14	0.03	0.44	N/A	N/A
		1	DFT-QPSK (20MHz)	0.27	0.17	0.14	0.03	0.44	N/A	N/A
	Back	1	DFT-BPSK (20MHz)	0.51	0.24	0.28	0.04	0.59	N/A	N/A
		1	DFT-QPSK (20MHz)	0.48	0.24	0.28	0.04	0.76	N/A	N/A
G5 NR N26-1	Front	1	DFT-BPSK (10MHz)	0.09	0.17	0.14	0.03	0.26	N/A	N/A
		1	DFT-QPSK (10MHz)	0.10	0.17	0.14	0.03	0.27	N/A	N/A
	Back	1	DFT-BPSK (10MHz)	0.20	0.24	0.28	0.04	0.48	N/A	N/A
		1	DFT-QPSK (10MHz)	0.18	0.24	0.28	0.04	0.46	N/A	N/A
G5 NR N26-2	Front	1	DFT-BPSK (20MHz)	0.15	0.17	0.14	0.03	0.32	N/A	N/A
		1	DFT-QPSK (20MHz)	0.18	0.17	0.14	0.03	0.35	N/A	N/A
	Back	1	DFT-BPSK (20MHz)	0.31	0.24	0.28	0.04	0.59	N/A	N/A
		1	DFT-QPSK (20MHz)	0.30	0.24	0.28	0.04	0.58	N/A	N/A
G5 NR N41	Front	1	DFT-BPSK (100MHz)	0.15	0.17	0.14	0.03	0.32	N/A	N/A
		1	DFT-QPSK (100MHz)	0.13	0.17	0.14	0.03	0.30	N/A	N/A
	Back	1	DFT-BPSK (100MHz)	0.30	0.24	0.28	0.04	0.58	N/A	N/A
		1	DFT-QPSK (100MHz)	0.29	0.24	0.28	0.04	0.57	N/A	N/A
G5 NR N66	Front	1	DFT-BPSK (20MHz)	0.31	0.17	0.14	0.03	0.48	N/A	N/A
		1	DFT-QPSK (20MHz)	0.27	0.17	0.14	0.03	0.44	N/A	N/A
	Back	1	DFT-BPSK (20MHz)	0.60	0.24	0.28	0.04	0.88	N/A	N/A
		1	DFT-QPSK (20MHz)	0.58	0.24	0.28	0.04	0.86	N/A	N/A
G5 NR N77	Front	1	DFT-BPSK (100MHz)	0.25	0.17	0.14	0.03	0.42	N/A	N/A
		1	DFT-QPSK (100MHz)	0.22	0.17	0.14	0.03	0.39	N/A	N/A
	Back	1	DFT-BPSK (100MHz)	0.51	0.24	0.28	0.04	0.79	N/A	N/A
		1	DFT-QPSK (100MHz)	0.50	0.24	0.28	0.04	0.78	N/A	N/A

G5 NR N78	Front	1	DFT-BPSK (100MHz)	0.20	0.17	0.14	0.03	0.37	N/A	N/A
		1	DFT-QPSK (100MHz)	0.18	0.17	0.14	0.03	0.35	N/A	N/A
	Back	1	DFT-BPSK (100MHz)	0.39	0.24	0.28	0.04	0.63	N/A	N/A
		1	DFT-QPSK (100MHz)	0.36	0.24	0.28	0.04	0.64	N/A	N/A

Band	Test Position	Scaled SAR		Σ SAR (W/kg)	SPLSR	Remark
		Hotspot	WIFI 2.4G			
GSM850 (GPRS)	Front	0.08	0.15	0.23	N/A	N/A
	Back	0.14	0.27	0.41	N/A	N/A
	Right	0.02	0.03	0.05	N/A	N/A
	Left	0.01	/	0.01	N/A	N/A
	Bottom	0.02	/	0.02	N/A	N/A
	Top	0.01	0.02	0.03	N/A	N/A
GSM1900 (GPRS)	Front	0.40	0.15	0.55	N/A	N/A
	Back	0.73	0.27	1.00	N/A	N/A
	Right	0.05	0.03	0.08	N/A	N/A
	Left	0.03	/	0.03	N/A	N/A
	Bottom	0.03	/	0.03	N/A	N/A
	Top	0.02	0.02	0.04	N/A	N/A
WCDMA Band II	Front	0.28	0.15	0.43	N/A	N/A
	Back	0.48	0.27	0.75	N/A	N/A
	Right	0.02	0.03	0.05	N/A	N/A
	Left	0.03	/	0.03	N/A	N/A
	Bottom	0.03	/	0.03	N/A	N/A
	Top	0.03	0.02	0.05	N/A	N/A
WCDMA Band IV	Front	0.25	0.15	0.40	N/A	N/A
	Back	0.45	0.27	0.72	N/A	N/A
	Right	0.03	0.03	0.06	N/A	N/A
	Left	0.04	/	0.04	N/A	N/A
	Bottom	0.03	/	0.03	N/A	N/A
	Top	0.03	0.02	0.05	N/A	N/A
WCDMA Band V	Front	0.10	0.15	0.25	N/A	N/A
	Back	0.18	0.27	0.45	N/A	N/A
	Right	0.01	0.03	0.04	N/A	N/A
	Left	0.02	/	0.02	N/A	N/A
	Bottom	0.01	/	0.01	N/A	N/A
	Top	0.01	0.02	0.03	N/A	N/A

WCDMA Band V	Front	0.09	0.15	0.24	N/A	N/A
	Back	0.17	0.27	0.44	N/A	N/A
	Right	0.02	0.03	0.05	N/A	N/A
	Left	0.02	/	0.02	N/A	N/A
	Bottom	0.01	/	0.01	N/A	N/A
	Top	0.02	0.02	0.04	N/A	N/A

Band	Test Position	RB allocation	Scaled		Σ SAR (W/kg)	SPLSR	Remark
			Hotspot	WIFI2.4G			
LTE Band 2 QPSK (20MHz)	Front	1	0.24	0.15	0.39	N/A	N/A
		50	0.21	0.15	0.36	N/A	N/A
	Back	1	0.43	0.27	0.70	N/A	N/A
		50	0.43	0.27	0.70	N/A	N/A
	Right	1	0.03	0.03	0.06	N/A	N/A
		50	0.02	0.03	0.05	N/A	N/A
	Left	1	0.03	/	0.03	N/A	N/A
		50	0.04	/	0.04	N/A	N/A
	Bottom	1	0.02	/	0.02	N/A	N/A
		50	0.02	/	0.02	N/A	N/A
	Top	1	0.03	0.02	0.05	N/A	N/A
		50	0.02	0.02	0.04	N/A	N/A
LTE Band 4 QPSK (20MHz)	Front	1	0.16	0.15	0.31	N/A	N/A
		50	0.14	0.15	0.29	N/A	N/A
	Back	1	0.39	0.27	0.66	N/A	N/A
		50	0.37	0.27	0.64	N/A	N/A
	Right	1	0.03	0.03	0.06	N/A	N/A
		50	0.03	0.03	0.06	N/A	N/A
	Left	1	0.02	/	0.02	N/A	N/A
		50	0.03	/	0.03	N/A	N/A
	Bottom	1	0.04	/	0.04	N/A	N/A
		50	0.02	/	0.02	N/A	N/A
	Top	1	0.01	0.02	0.03	N/A	N/A
		50	0.03	0.02	0.05	N/A	N/A

LTE Band 5 QPSK (10MHz)	Front	1	0.06	0.15	0.21	N/A	N/A
		25	0.06	0.15	0.21	N/A	N/A
	Back	1	0.11	0.27	0.38	N/A	N/A
		25	0.10	0.27	0.37	N/A	N/A
	Right	1	0.01	0.03	0.04	N/A	N/A
		25	0.01	0.03	0.04	N/A	N/A
	Left	1	0.01	/	0.01	N/A	N/A
		25	0.01	/	0.01	N/A	N/A
	Bottom	1	0.01	/	0.01	N/A	N/A
		25	0.01	/	0.01	N/A	N/A
LTE Band 7 QPSK (20MHz)	Front	1	0.41	0.15	0.56	N/A	N/A
		50	0.36	0.15	0.51	N/A	N/A
	Back	1	0.72	0.27	0.99	N/A	N/A
		50	0.72	0.27	0.99	N/A	N/A
	Right	1	0.04	0.03	0.07	N/A	N/A
		50	0.07	0.03	0.10	N/A	N/A
	Left	1	0.03	/	0.03	N/A	N/A
		50	0.07	/	0.07	N/A	N/A
	Bottom	1	0.04	/	0.04	N/A	N/A
		50	0.04	/	0.04	N/A	N/A
LTE Band 12 QPSK (10MHz)	Front	1	0.09	0.15	0.24	N/A	N/A
		25	0.08	0.15	0.23	N/A	N/A
	Back	1	0.18	0.27	0.45	N/A	N/A
		25	0.16	0.27	0.43	N/A	N/A
	Right	1	0.01	0.03	0.04	N/A	N/A
		25	0.01	0.03	0.04	N/A	N/A
	Left	1	0.01	/	0.01	N/A	N/A
		25	0.01	/	0.01	N/A	N/A
	Bottom	1	0.01	/	0.01	N/A	N/A
		25	0.01	/	0.01	N/A	N/A
	Top	1	0.01	0.02	0.03	N/A	N/A
		25	0.01	0.02	0.03	N/A	N/A

LTE Band 13 QPSK (10MHz)	Front	1	0.16	0.15	0.31	N/A	N/A
		25	0.19	0.15	0.34	N/A	N/A
	Back	1	0.35	0.27	0.62	N/A	N/A
		25	0.34	0.27	0.61	N/A	N/A
	Right	1	0.02	0.03	0.05	N/A	N/A
		25	0.02	0.03	0.05	N/A	N/A
	Left	1	0.02	/	0.02	N/A	N/A
		25	0.03	/	0.03	N/A	N/A
	Bottom	1	0.02	/	0.02	N/A	N/A
		25	0.02	/	0.02	N/A	N/A
LTE Band 17 QPSK (10MHz)	Front	1	0.11	0.15	0.26	N/A	N/A
		25	0.12	0.15	0.27	N/A	N/A
	Back	1	0.21	0.27	0.48	N/A	N/A
		25	0.19	0.27	0.46	N/A	N/A
	Right	1	0.02	0.03	0.05	N/A	N/A
		25	0.02	0.03	0.05	N/A	N/A
	Left	1	0.01	/	0.01	N/A	N/A
		25	0.02	/	0.02	N/A	N/A
	Bottom	1	0.01	/	0.01	N/A	N/A
		25	0.02	/	0.02	N/A	N/A
LTE Band 19 QPSK (15MHz)	Front	1	0.06	0.15	0.21	N/A	N/A
		37	0.05	0.15	0.20	N/A	N/A
	Back	1	0.12	0.27	0.39	N/A	N/A
		37	0.11	0.27	0.38	N/A	N/A
	Right	1	0.01	0.03	0.04	N/A	N/A
		37	0.02	0.03	0.05	N/A	N/A
	Left	1	0.01	/	0.01	N/A	N/A
		37	0.01	/	0.01	N/A	N/A
	Bottom	1	0.01	/	0.01	N/A	N/A
		37	0.01	/	0.01	N/A	N/A
	Top	1	0.01	0.02	0.03	N/A	N/A
		37	0.01	0.02	0.03	N/A	N/A

LTE Band26-1 QPSK (10MHz)	Front	1	0.11	0.15	0.26	N/A	N/A
		25	0.13	0.15	0.28	N/A	N/A
	Back	1	0.27	0.27	0.54	N/A	N/A
		25	0.25	0.27	0.52	N/A	N/A
	Right	1	0.02	0.03	0.05	N/A	N/A
		25	0.01	0.03	0.04	N/A	N/A
	Left	1	0.01	/	0.01	N/A	N/A
		25	0.01	/	0.01	N/A	N/A
	Bottom	1	0.01	/	0.01	N/A	N/A
		25	0.01	/	0.01	N/A	N/A
LTE Band26-2 QPSK (15MHz)	Front	1	0.12	0.15	0.27	N/A	N/A
		38	0.11	0.15	0.26	N/A	N/A
	Back	1	0.24	0.27	0.51	N/A	N/A
		38	0.23	0.27	0.50	N/A	N/A
	Right	1	0.01	0.03	0.01	N/A	N/A
		38	0.01	0.03	0.04	N/A	N/A
	Left	1	0.01	/	0.01	N/A	N/A
		38	0.01	/	0.01	N/A	N/A
	Bottom	1	0.01	/	0.01	N/A	N/A
		38	0.01	/	0.01	N/A	N/A
LTE Band41 QPSK (20MHz)	Front	1	0.31	0.15	0.46	N/A	N/A
		50	0.41	0.15	0.56	N/A	N/A
	Back	1	0.60	0.27	0.87	N/A	N/A
		50	0.66	0.27	0.93	N/A	N/A
	Right	1	0.03	0.03	0.06	N/A	N/A
		50	0.05	0.03	0.08	N/A	N/A
	Left	1	0.04	/	0.04	N/A	N/A
		50	0.03	/	0.03	N/A	N/A
	Bottom	1	0.04	/	0.04	N/A	N/A
		50	0.03	/	0.03	N/A	N/A
	Top	1	0.03	0.02	0.05	N/A	N/A
		50	0.03	0.02	0.05	N/A	N/A

LTE Band66 QPSK (20MHz)	Front	1	0.17	0.15	0.32	N/A	N/A
		50	0.16	0.15	0.31	N/A	N/A
	Back	1	0.35	0.27	0.62	N/A	N/A
		50	0.33	0.27	0.60	N/A	N/A
	Right	1	0.02	0.03	0.05	N/A	N/A
		50	0.02	0.03	0.05	N/A	N/A
	Left	1	0.02	/	0.02	N/A	N/A
		50	0.02	/	0.02	N/A	N/A
	Bottom	1	0.02	/	0.02	N/A	N/A
		50	0.03	/	0.03	N/A	N/A
	Top	1	0.01	0.02	0.03	N/A	N/A
		50	0.01	0.02	0.03	N/A	N/A

Band	Test Position	RB allocation	Mode	Scaled		Σ SAR (W/kg)	SPLSR	Remark
				Hotspot	WIFI2.4G			
5G NR N2	Front	1	DFT-BPSK (20MHz)	0.26	0.15	0.41	N/A	N/A
		1	DFT-QPSK (20MHz)	0.26	0.15	0.41	N/A	N/A
	Back	1	DFT-BPSK (20MHz)	0.53	0.27	0.80	N/A	N/A
		1	DFT-QPSK (20MHz)	0.51	0.27	0.78	N/A	N/A
	Right	1	DFT-BPSK (20MHz)	0.03	0.03	0.03	N/A	N/A
		1	DFT-QPSK (20MHz)	0.03	0.03	0.03	N/A	N/A
	Left	1	DFT-BPSK (20MHz)	0.02	/	0.02	N/A	N/A
		1	DFT-QPSK (20MHz)	0.02	/	0.02	N/A	N/A
	Bottom	1	DFT-BPSK (20MHz)	0.02	/	0.02	N/A	N/A
		1	DFT-QPSK (20MHz)	0.03	/	0.03	N/A	N/A
	Top	1	DFT-BPSK (20MHz)	0.02	0.02	0.04	N/A	N/A
		1	DFT-QPSK (20MHz)	0.02	0.02	0.04	N/A	N/A

5G NR N5	Front	1	DFT-BPSK (20MHz)	0.13	0.15	0.28	N/A	N/A
		1	DFT-QPSK (20MHz)	0.12	0.15	0.27	N/A	N/A
	Back	1	DFT-BPSK (20MHz)	0.25	0.27	0.52	N/A	N/A
		1	DFT-QPSK (20MHz)	0.23	0.27	0.50	N/A	N/A
	Right	1	DFT-BPSK (20MHz)	0.02	0.03	0.05	N/A	N/A
		1	DFT-QPSK (20MHz)	0.02	0.03	0.05	N/A	N/A
	Left	1	DFT-BPSK (20MHz)	0.01	/	0.01	N/A	N/A
		1	DFT-QPSK (20MHz)	0.01	/	0.01	N/A	N/A
	Bottom	1	DFT-BPSK (20MHz)	0.02	/	0.02	N/A	N/A
		1	DFT-QPSK (20MHz)	0.01	/	0.01	N/A	N/A
	Top	1	DFT-BPSK (20MHz)	0.02	0.02	0.04	N/A	N/A
		1	DFT-QPSK (20MHz)	0.02	0.02	0.04	N/A	N/A
5G NR N7	Front	1	DFT-BPSK (20MHz)	0.26	0.15	0.41	N/A	N/A
		1	DFT-QPSK (20MHz)	0.23	0.15	0.38	N/A	N/A
	Back	1	DFT-BPSK (20MHz)	0.54	0.27	0.81	N/A	N/A
		1	DFT-QPSK (20MHz)	0.51	0.27	0.78	N/A	N/A
	Right	1	DFT-BPSK (20MHz)	0.04	0.03	0.07	N/A	N/A
		1	DFT-QPSK (20MHz)	0.03	0.03	0.06	N/A	N/A
	Left	1	DFT-BPSK (20MHz)	0.04	/	0.04	N/A	N/A
		1	DFT-QPSK (20MHz)	0.04	/	0.04	N/A	N/A
	Bottom	1	DFT-BPSK (20MHz)	0.03	/	0.03	N/A	N/A
		1	DFT-QPSK (20MHz)	0.03	/	0.03	N/A	N/A
	Top	1	DFT-BPSK (20MHz)	0.03	0.02	0.05	N/A	N/A
		1	DFT-QPSK (20MHz)	0.02	0.02	0.04	N/A	N/A
5G NR N26-1	Front	1	DFT-BPSK (10MHz)	0.12	0.15	0.27	N/A	N/A
		1	DFT-QPSK (10MHz)	0.12	0.15	0.27	N/A	N/A
	Back	1	DFT-BPSK (10MHz)	0.23	0.27	0.50	N/A	N/A
		1	DFT-QPSK (10MHz)	0.21	0.27	0.48	N/A	N/A
	Right	1	DFT-BPSK (10MHz)	0.02	0.03	0.05	N/A	N/A
		1	DFT-QPSK (10MHz)	0.01	0.03	0.04	N/A	N/A
	Left	1	DFT-BPSK (10MHz)	0.01	/	0.01	N/A	N/A
		1	DFT-QPSK (10MHz)	0.02	/	0.02	N/A	N/A
	Bottom	1	DFT-BPSK (10MHz)	0.01	/	0.01	N/A	N/A
		1	DFT-QPSK (10MHz)	0.01	/	0.01	N/A	N/A
	Top	1	DFT-BPSK (10MHz)	0.02	0.02	0.04	N/A	N/A
		1	DFT-QPSK (10MHz)	0.01	0.02	0.03	N/A	N/A

5G NR N26-2	Front	1	DFT-BPSK (20MHz)	0.22	0.15	0.37	N/A	N/A
		1	DFT-QPSK (20MHz)	0.18	0.15	0.33	N/A	N/A
	Back	1	DFT-BPSK (20MHz)	0.42	0.27	0.69	N/A	N/A
		1	DFT-QPSK (20MHz)	0.40	0.27	0.67	N/A	N/A
	Right	1	DFT-BPSK (20MHz)	0.03	0.03	0.06	N/A	N/A
		1	DFT-QPSK (20MHz)	0.02	0.03	0.05	N/A	N/A
	Left	1	DFT-BPSK (20MHz)	0.02	/	0.02	N/A	N/A
		1	DFT-QPSK (20MHz)	0.02	/	0.02	N/A	N/A
	Bottom	1	DFT-BPSK (20MHz)	0.02	/	0.02	N/A	N/A
		1	DFT-QPSK (20MHz)	0.02	/	0.02	N/A	N/A
	Top	1	DFT-BPSK (20MHz)	0.02	0.02	0.04	N/A	N/A
		1	DFT-QPSK (20MHz)	0.02	0.02	0.04	N/A	N/A
5G NR N41	Front	1	DFT-BPSK (100MHz)	0.14	0.15	0.29	N/A	N/A
		1	DFT-QPSK (100MHz)	0.16	0.15	0.31	N/A	N/A
	Back	1	DFT-BPSK (100MHz)	0.33	0.27	0.60	N/A	N/A
		1	DFT-QPSK (100MHz)	0.33	0.27	0.60	N/A	N/A
	Right	1	DFT-BPSK (100MHz)	0.02	0.03	0.05	N/A	N/A
		1	DFT-QPSK (100MHz)	0.02	0.03	0.05	N/A	N/A
	Left	1	DFT-BPSK (100MHz)	0.01	/	0.01	N/A	N/A
		1	DFT-QPSK (100MHz)	0.02	/	0.02	N/A	N/A
	Bottom	1	DFT-BPSK (100MHz)	0.02	/	0.02	N/A	N/A
		1	DFT-QPSK (100MHz)	0.01	/	0.01	N/A	N/A
	Top	1	DFT-BPSK (100MHz)	0.02	0.02	0.04	N/A	N/A
		1	DFT-QPSK (100MHz)	0.01	0.02	0.03	N/A	N/A
5G NR N66	Front	1	DFT-BPSK (20MHz)	0.35	0.15	0.50	N/A	N/A
		1	DFT-QPSK (20MHz)	0.34	0.15	0.49	N/A	N/A
	Back	1	DFT-BPSK (20MHz)	0.61	0.27	0.88	N/A	N/A
		1	DFT-QPSK (20MHz)	0.59	0.27	0.74	N/A	N/A
	Right	1	DFT-BPSK (20MHz)	0.03	0.03	0.06	N/A	N/A
		1	DFT-QPSK (20MHz)	0.04	0.03	0.03	N/A	N/A
	Left	1	DFT-BPSK (20MHz)	0.03	/	0.03	N/A	N/A
		1	DFT-QPSK (20MHz)	0.03	/	0.03	N/A	N/A
	Bottom	1	DFT-BPSK (20MHz)	0.04	/	0.04	N/A	N/A
		1	DFT-QPSK (20MHz)	0.03	/	0.03	N/A	N/A
	Top	1	DFT-BPSK (20MHz)	0.02	0.02	0.04	N/A	N/A
		1	DFT-QPSK (20MHz)	0.03	0.02	0.05	N/A	N/A

5G NR N77	Front	1	DFT-BPSK (100MHz)	0.28	0.15	0.43	N/A	N/A
		1	DFT-QPSK (100MHz)	0.30	0.15	0.45	N/A	N/A
	Back	1	DFT-BPSK (100MHz)	0.54	0.27	0.81	N/A	N/A
		1	DFT-QPSK (100MHz)	0.51	0.27	0.78	N/A	N/A
	Right	1	DFT-BPSK (100MHz)	0.03	0.03	0.06	N/A	N/A
		1	DFT-QPSK (100MHz)	0.03	0.03	0.06	N/A	N/A
	Left	1	DFT-BPSK (100MHz)	0.03	/	0.03	N/A	N/A
		1	DFT-QPSK (100MHz)	0.03	/	0.03	N/A	N/A
	Bottom	1	DFT-BPSK (100MHz)	0.03	/	0.03	N/A	N/A
		1	DFT-QPSK (100MHz)	0.03	/	0.03	N/A	N/A
	Top	1	DFT-BPSK (100MHz)	0.03	0.02	0.05	N/A	N/A
		1	DFT-QPSK (100MHz)	0.03	0.02	0.05	N/A	N/A
5G NR N78	Front	1	DFT-BPSK (100MHz)	0.15	0.15	0.30	N/A	N/A
		1	DFT-QPSK (100MHz)	0.19	0.15	0.34	N/A	N/A
	Back	1	DFT-BPSK (100MHz)	0.36	0.27	0.63	N/A	N/A
		1	DFT-QPSK (100MHz)	0.32	0.27	0.59	N/A	N/A
	Right	1	DFT-BPSK (100MHz)	0.02	0.03	0.05	N/A	N/A
		1	DFT-QPSK (100MHz)	0.01	0.03	0.04	N/A	N/A
	Left	1	DFT-BPSK (100MHz)	0.01	/	0.01	N/A	N/A
		1	DFT-QPSK (100MHz)	0.01	/	0.01	N/A	N/A
	Bottom	1	DFT-BPSK (100MHz)	0.01	/	0.01	N/A	N/A
		1	DFT-QPSK (100MHz)	0.01	/	0.01	N/A	N/A
	Top	1	DFT-BPSK (100MHz)	0.02	0.02	0.04	N/A	N/A
		1	DFT-QPSK (100MHz)	0.01	0.02	0.03	N/A	N/A

Simultaneous Transmission Conclusion

The above numerical summed SAR results for all the case simultaneous transmission conditions were below the SAR limit. Therefore, the above analysis is sufficient to determine that simultaneous transmission cases will not exceed the SAR limit and therefore measured volumetric simultaneous SAR summation is not required per FCC KDB Publication 447498 D01v05r02.

10.6. Measurement Uncertainty (150MHz-6GHz)

UNCERTAINTY EVALUATION FOR HEADSET SAR

Uncertainty Component	Description	Uncertainty Value(%)	Probably Distribution	Div.	(Ci) 1g	(Ci) 10g	Std. Unc. 1g(%)	Std. Unc. 10g(%)	v
Measurement system									
Probe calibration	7.2.1	5.8	N	1	1	1	5.8	5.8	∞
Axial isotropy	7.2.1.1	3.5	R	$\sqrt{3}$	$(1-C_p)^{1/2}$	$(1-C_p)^{1/2}$	1.43	1.43	∞
Hemispherical isotropy	7.2.1.1	5.9	R	$\sqrt{3}$	$\sqrt{C_p}$	$\sqrt{C_p}$	2.41	2.41	∞
Boundary Effects	7.2.1.4	1.00	R	$\sqrt{3}$	1	1	0.58	0.58	∞
Linearity	7.2.1.2	4.70	R	$\sqrt{3}$	1	1	2.71	2.71	∞
System detection limits	7.2.1.2	1	R	$\sqrt{3}$	1	1	0.58	0.58	∞
Modulation Response	7.2.1.3	3	N	1	1	1	3.00	3.00	∞
Readout Electronics	7.2.1.5	0.5	N	1	1	1	0.50	0.50	∞
Response Time	7.2.1.6	0	R	$\sqrt{3}$	1	1	0.00	0.00	∞
Integration Time	7.2.1.7	1.4	R	$\sqrt{3}$	1	1	0.81	0.81	∞
RF Ambient Conditions-Noise	7.2.3.7	3	R	$\sqrt{3}$	1	1	1.73	1.73	∞
RF Ambient Conditions-Reflection	7.2.3.7	3	R	$\sqrt{3}$	1	1	1.73	1.73	∞
Probe positioned mechanical Tolerance	7.2.2.1	1.4	R	$\sqrt{3}$	1	1	0.81	0.81	∞
Probe positioning with respect to phantom shell	7.2.2.3	1.4	R	$\sqrt{3}$	1	1	0.81	0.81	∞
Extrapolation interpolation and integration algorithms for Max.SAR evaluation	7.2.4	2.3	R	1	1	1	1.33	1.33	∞
Test sample related									
Test sample positioning	7.2.2.4.4	2.6	N	1	1	1	2.60	2.60	∞
Device holder uncertainty	7.2.2.4.2 7.2.2.4.3	3	N	1	1	1	3.00	3.00	∞
output power variation-SAR drift measurement	7.2.3.6	5	R	$\sqrt{3}$	1	1	2.89	2.89	∞
SAR scaling	7.2.5	2	R	$\sqrt{3}$	1	1	1.15	1.15	∞
Phantom and tissue parameters									
Phantom uncertainty (shape and thickness tolerances)	7.2.2.2	4	R	$\sqrt{3}$	1	1	2.31	2.31	∞
uncertainty in SAR correction for deviation (in permittivity and conductivity)	7.2.6	2	N	1	1	0.84	2.00	1.68	∞
Liquid conductivity (temperature uncertainty)	7.2.3.5	2.5	N	1	0.78	0.71	1.95	1.78	∞
Liquid conductivity -measurement uncertainty	7.2.3.3	4	N	1	0.23	0.26	0.92	1.04	∞
Liquid permittivity (temperature uncertainty)	7.2.3.5	2.5	N	1	0.78	0.71	1.95	1.78	∞
Liquid permittivity measurement uncertainty	7.2.3.4	5	N	1	0.23	0.26	1.15	1.30	∞
Combined standard uncertainty			RSS				10.83	10.54	
Expanded uncertainty (95%CONFIDENCEINTERVAL)			k				21.26	21.08	

UNCERTAINTY FOR PERFORMANCE CHECK

Uncertainty Component	Description	Uncertainty Value(%)	Probably Distribution	Div.	(Ci) 1g	(Ci) 10g	Std. Unc. 1g(%)	Std. Unc. 10g(%)	v
Measurement system									
Probe calibration	7.2.1	5.8	N	1	1	1	5.8	5.8	∞
Axial isotropy	7.2.1.1	3.5	R	$\sqrt{3}$	$(1-C_p)^{1/2}$	$(1-C_p)^{1/2}$	1.43	1.43	∞
Hemispherical isotropy	7.2.1.1	5.9	R	$\sqrt{3}$	$\sqrt{C_p}$	$\sqrt{C_p}$	2.41	2.41	∞
Boundary Effects	7.2.1.4	1.00	R	$\sqrt{3}$	1	1	0.58	0.58	∞
Linearity	7.2.1.2	4.70	R	$\sqrt{3}$	1	1	2.71	2.71	∞
System detection limits	7.2.1.2	1	R	$\sqrt{3}$	1	1	0.58	0.58	∞
Modulation Response	7.2.1.3	3	N	1	1	1	0.00	0.00	∞
Readout Electronics	7.2.1.5	0.5	N	1	1	1	0.50	0.50	∞
Response Time	7.2.1.6	0	R	$\sqrt{3}$	1	1	0.00	0.00	∞
Integration Time	7.2.1.7	1.4	R	$\sqrt{3}$	1	1	0.81	0.81	∞
RF Ambient Conditions-Noise	7.2.3.7	3	R	$\sqrt{3}$	1	1	1.73	1.73	∞
RF Ambient Conditions-Reflection	7.2.3.7	3	R	$\sqrt{3}$	1	1	1.73	1.73	∞
Probe positioned mechanical Tolerance	7.2.2.1	1.4	R	$\sqrt{3}$	1	1	0.81	0.81	∞
Probe positioning with respect to phantom shell	7.2.2.3	1.4	R	$\sqrt{3}$	1	1	0.81	0.81	∞
Extrapolation interpolation and integration algorithms for Max.SAR evaluation	7.2.4	2.3	R	1	1	1	1.33	1.33	∞
Dipole									
Deviation of experimental source from numerical source		4	N	1	1	1	4.00	4.00	∞
Input power and SAR drift measurement	7.2.3.6	5	R	$\sqrt{3}$	1	1	2.89	2.89	∞
Dipole axis to liquid distance		2	R	$\sqrt{3}$	1	1			∞
Phantom and tissue parameters									
Phantom uncertainty (shape and thickness tolerances)	7.2.2.2	4	R	$\sqrt{3}$	1	1	2.31	2.31	∞
uncertainty in SAR correction for deviation (in permittivity and conductivity)	7.2.6	2	N	1	1	0.84	2.00	1.68	∞
Liquid conductivity (temperature uncertainty)	7.2.3.5	2.5	N	1	0.78	0.71	1.95	1.78	∞
Liquid conductivity -measurement uncertainty	7.2.3.3	4	N	1	0.23	0.26	0.92	1.04	∞
Liquid permittivity (temperature uncertainty)	7.2.3.5	2.5	N	1	0.78	0.71	1.95	1.78	∞
Liquid permittivity measurement uncertainty	7.2.3.4	5	N	1	0.23	0.26	1.15	1.30	∞
Combined standard uncertainty			RSS				10.15	10.05	
Expanded uncertainty (95%CONFIDENCEINTE RVAL			k				20.29	20.10	

10.7. Test Equipment List

Test Equipment	Manufacturer	Model	Serial Number	Calibration	
				Calibration Date (D.M.Y)	Calibration Due (D.M.Y)
PC	Lenovo	H3050	N/A	N/A	N/A
Signal Generator	Angilent	N5182A	MY47070282	Jun. 27, 2024	Jun. 26, 2025
Multimeter	Keithley	Multimeter 2000	4078275	Jun. 27, 2024	Jun. 26, 2025
Network Analyzer	Agilent	8753E	US38432457	Jun. 27, 2024	Jun. 26, 2025
Wideband Radio Communication Tester	R&S	CMW500	114220	Jun. 27, 2024	Jun. 26, 2025
Power Meter	Agilent	E4418B	GB43312526	Jun. 27, 2024	Jun. 26, 2025
Power Meter	Agilent	E4416A	MY45101555	Jun. 27, 2024	Jun. 26, 2025
Power Meter	Agilent	N1912A	MY50001018	Jun. 27, 2024	Jun. 26, 2025
Power Sensor	Agilent	E9301A	MY41497725	Jun. 27, 2024	Jun. 26, 2025
Power Sensor	Agilent	E9327A	MY44421198	Jun. 27, 2024	Jun. 26, 2025
Power Sensor	Agilent	E9323A	MY53070005	Jun. 27, 2024	Jun. 26, 2025
Power Amplifier	PE	PE15A4019	112342	N/A	N/A
Directional Coupler	Agilent	722D	MY52180104	N/A	N/A
Attenuator	Chensheng	FF779	134251	N/A	N/A
E-Field PROBE	MVG	SSE2	SN 25/22 EPGO375	Jun. 29, 2024	Jun. 28, 2025
DIPOLE 750	MVG	SID750	SN 16/15 DIP 0G750-368	Jun. 05, 2024	Jun. 04, 2027
DIPOLE 835	MVG	SID835	SN 16/15 DIP 0G835-369	Jun. 05, 2024	Jun. 04, 2027
DIPOLE 1800	MVG	SID 1800	SN 16/15 DIP 1G800-371	Jun. 05, 2024	Jun. 04, 2027
DIPOLE 1900	MVG	SID1900	SN 16/15 DIP 1G900-372	Jun. 05, 2024	Jun. 04, 2027
DIPOLE 2450	MVG	SID 2450	SN 16/15 DIP 2G450-374	Jun. 05, 2024	Jun. 04, 2027
DIPOLE 2600	MVG	SID 2600	SN 16/15 DIP 2G600-375	Jun. 05, 2024	Jun. 04, 2027
DIPOLE 3500	MVG	SID 3500	SN 07/22 DIP 3G500-644	Feb. 06, 2023	Feb. 05, 2026
DIPOLE 3700	MVG	SID 3700	SN 16/15 DIP 2G700-665	Feb. 06, 2023	Feb. 05, 2026
DIPOLE 5G	MVG	SID 5G	SN 13/14 WGA32	May. 15, 2024	May. 14, 2025
Limesar Dielectric Probe	MVG	SCLMP	SN 19/15 OCPG71	Jun. 05, 2024	Jun. 04, 2027
Communication Antenna	MVG	ANTA59	SN 39/14 ANTA59	N/A	N/A
Mobile Phone Position Device	MVG	MSH101	SN 19/15 MSH101	N/A	N/A
Dummy Probe	MVG	DP66	SN 13/15 DP66	N/A	N/A
SAM PHANTOM	MVG	SAM120	SN 19/15 SAM120	N/A	N/A
PHANTOM TABLE	MVG	TABP101	SN 19/15 TABP101	N/A	N/A
Robot TABLE	MVG	TABP61	SN 19/15 TABP61	N/A	N/A
6 AXIS ROBOT	KUKA	KR6-R900	501822	N/A	N/A

Note: 1. N/A means this equipment no need to calibrate

2. Each Time means this device need to calibrate every use time

3. The dipole was not damaged properly repaired.

4. The measured SAR deviates from the calibrated SAR value by less than 10%

5. The most recent return-loss result meets the required 20 dB minimum return-loss requirement

6. The most recent measurement of the real or imaginary parts of the impedance deviates by less than 5 Ω from the previous measurement.

11. System Check Results

Date of measurement: 05/17/2024 Test mode: 750 (Head)

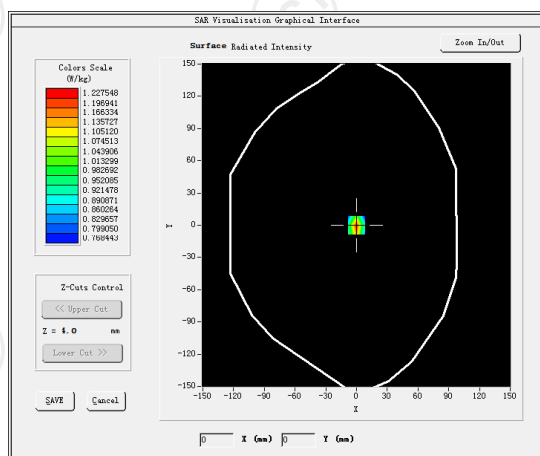
Product Description: Validation

Dipole Model: SID750

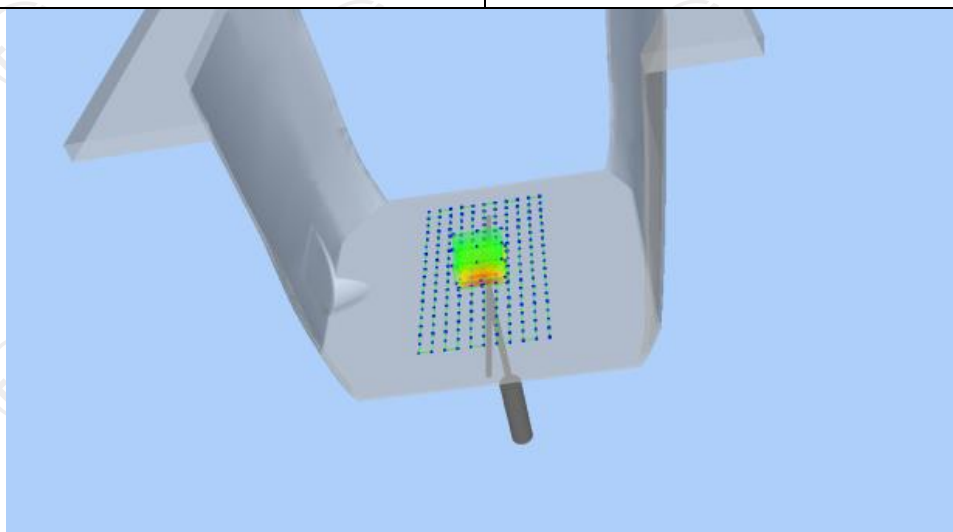
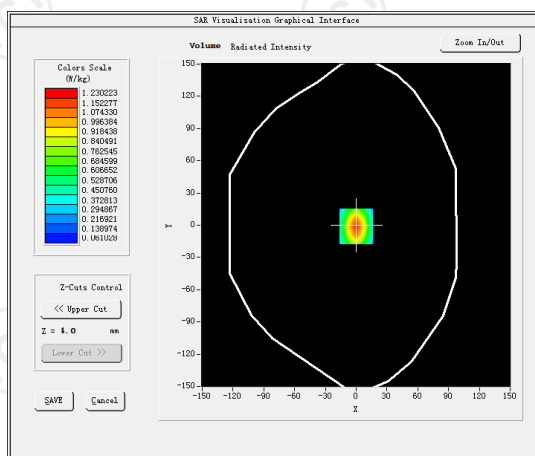
E-Field Probe: SSE2 (SN 25/22 EPGO375)

Phantom	Validation plane
Input Power	100mW
Crest Factor	1.0
Probe Conversion factor	1.71
Frequency (MHz)	750.000000
Relative permittivity (real part)	40.895127
Relative permittivity (imaginary part)	17.130904
Conductivity (S/m)	0.892014
Variation (%)	-0.090000
SAR 10g (W/Kg)	0.540421
SAR 1g (W/Kg)	0.804230

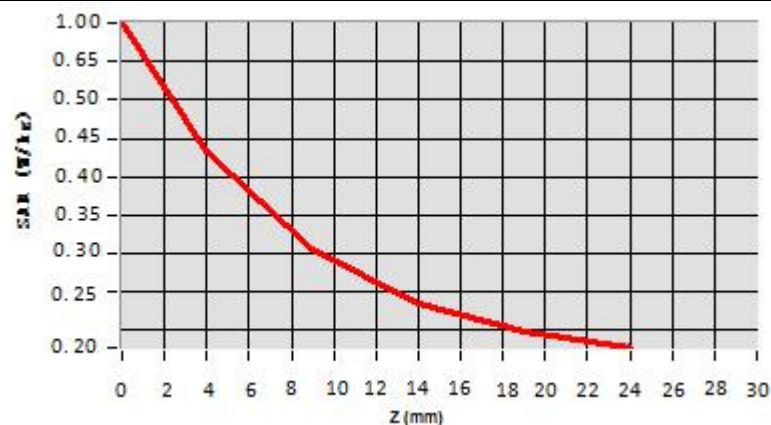
SURFACE SAR



VOLUME SAR



Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	1.0014	0.4404	0.3024	0.2342	0.2221



Hot spot position



Date of measurement: 05/21/2024 Test mode: 835 (Head)

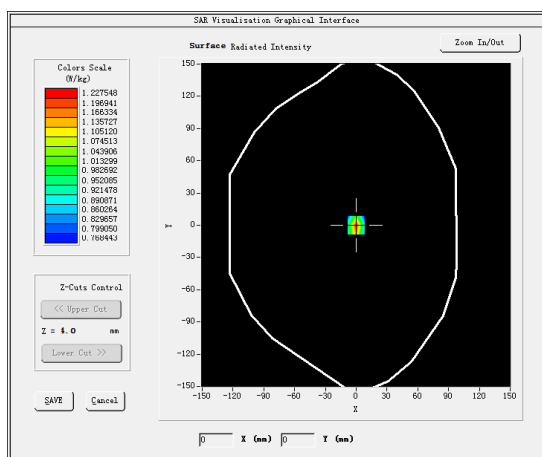
Product Description: Validation

Dipole Model: SID835

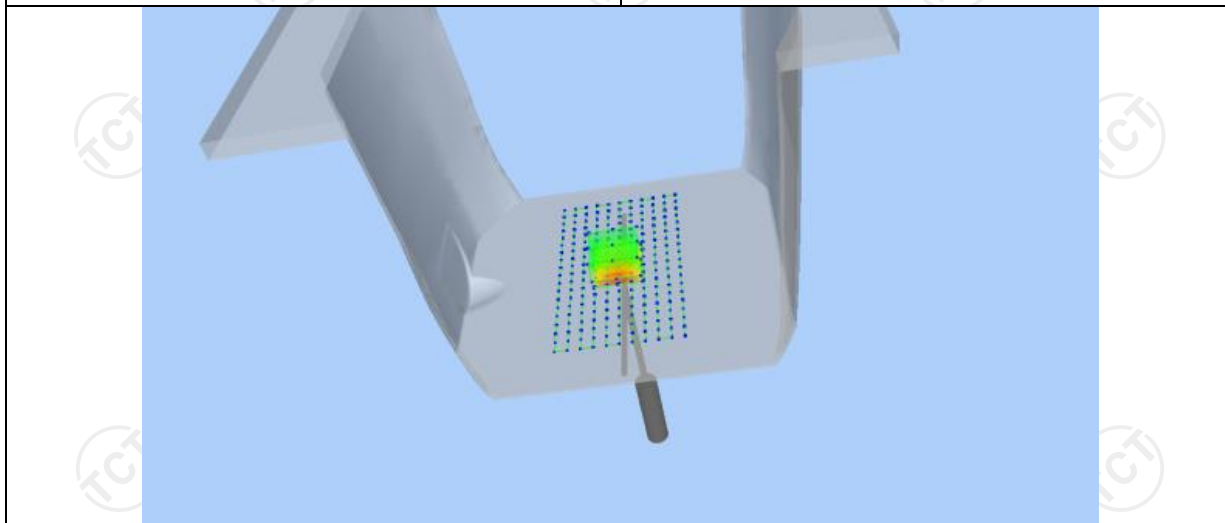
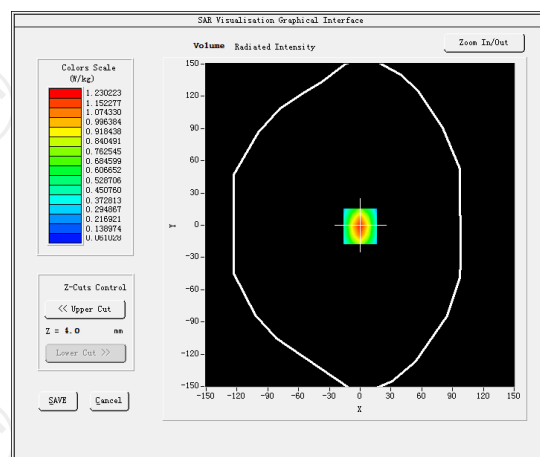
E-Field Probe: SSE2 (SN 25/22 EPGO375)

Phantom	Validation plane
Input Power	100mW
Crest Factor	1.0
Probe Conversion factor	1.80
Frequency (MHz)	835.000000
Relative permittivity (real part)	41.417760
Relative permittivity (imaginary part)	18.129852
Conductivity (S/m)	0.874923
Variation (%)	-0.090000
SAR 10g (W/Kg)	0.570250
SAR 1g (W/Kg)	0.886135

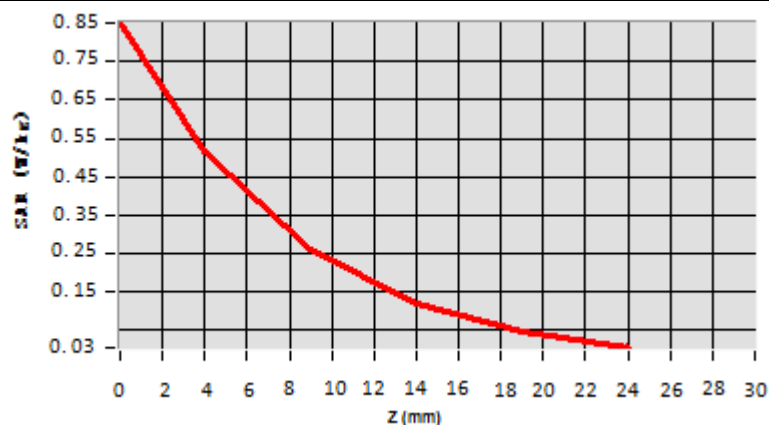
SURFACE SAR



VOLUME SAR



Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	0.8625	0.5302	0.2594	0.1302	0.1025



Hot spot position



Date of measurement: 05/30/2024 Test mode: 1800MHz (Head)

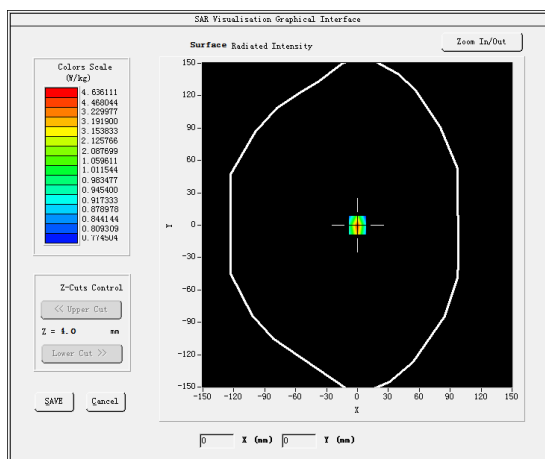
Product Description: Validation

Dipole Model: SID1800

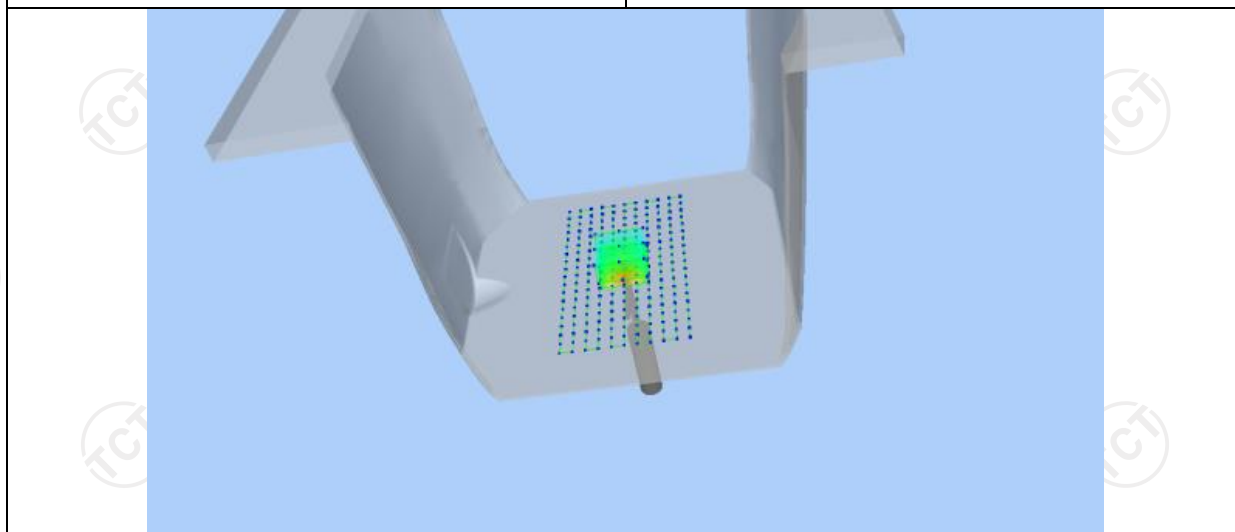
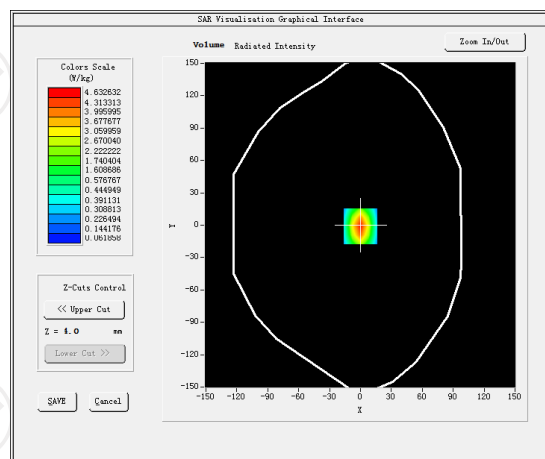
E-Field Probe: SSE2 (SN 25/22 EPGO375)

Phantom	Validation plane
Input Power	100mW
Crest Factor	1.0
Probe Conversion factor	2.08
Frequency (MHz)	1800.000000
Relative permittivity (real part)	39.070000
Relative permittivity (imaginary part)	14.000000
Conductivity (S/m)	1.380000
Variation (%)	1.250000
SAR 10g (W/Kg)	2.201458
SAR 1g (W/Kg)	3.752497

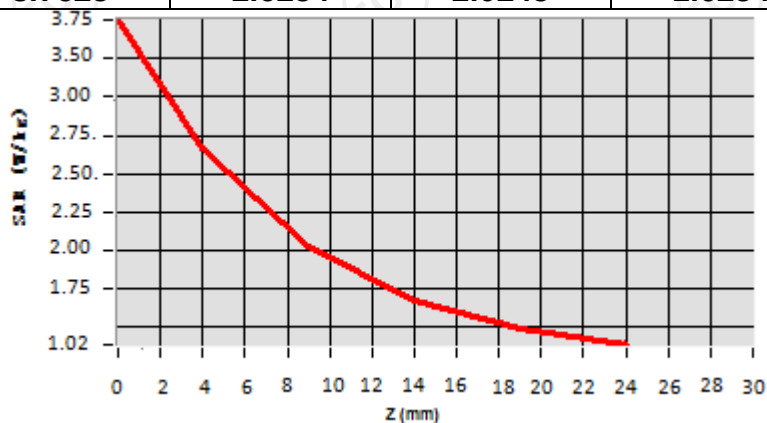
SURFACE SAR



VOLUME SAR



Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	3.7625	2.6254	2.0245	1.6254	1.0214



Hot spot position



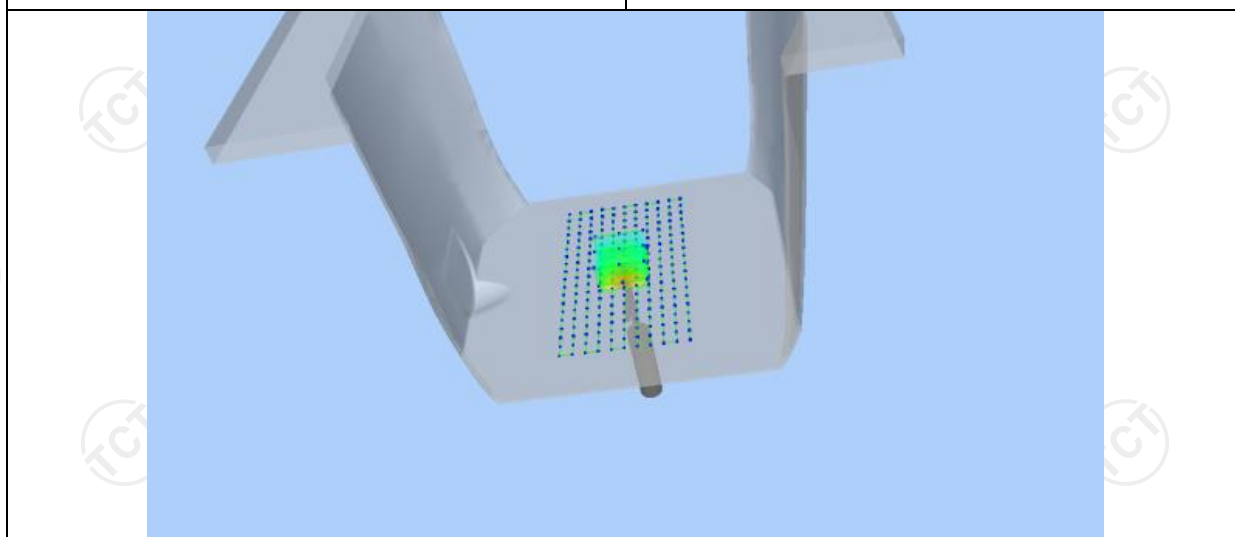
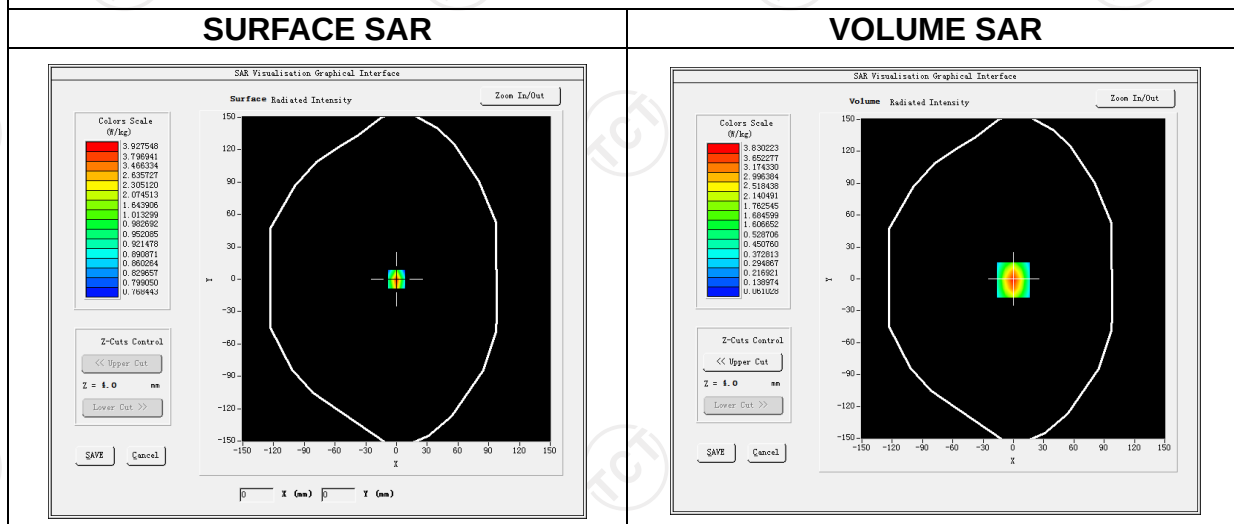
Date of measurement: 06/10/2024 Test mode: 1900MHz (Head)

Product Description: Validation

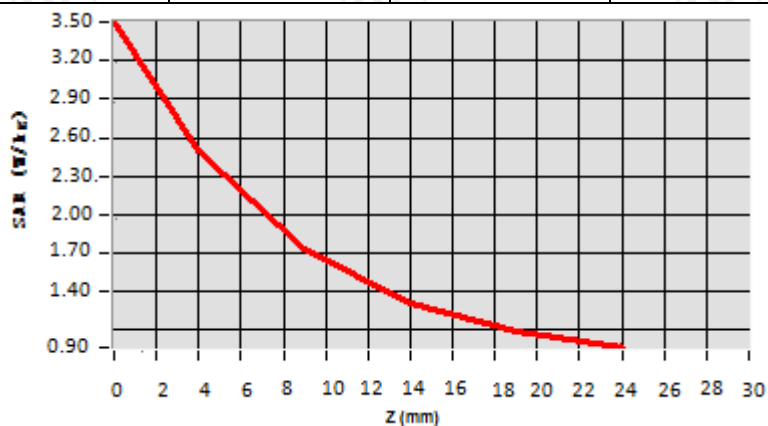
Dipole Model: SID1900

E-Field Probe: SSE2 (SN 25/22 EPGO375)

Phantom	Validation plane
Input Power	100mW
Crest Factor	1.0
Probe Conversion factor	2.23
Frequency (MHz)	1900.000000
Relative permittivity (real part)	39.076721
Relative permittivity (imaginary part)	12.607061
Conductivity (S/m)	1.367609
Variation (%)	-0.910000
SAR 10g (W/Kg)	1.899324
SAR 1g (W/Kg)	3.576354



Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	3.5325	2.5687	1.7025	1.3025	0.1125



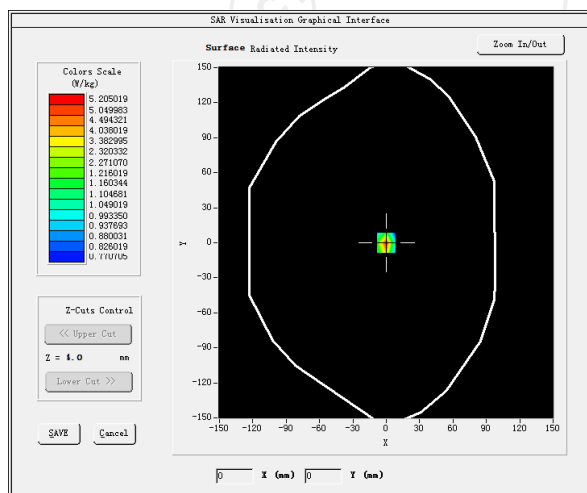
Hot spot position



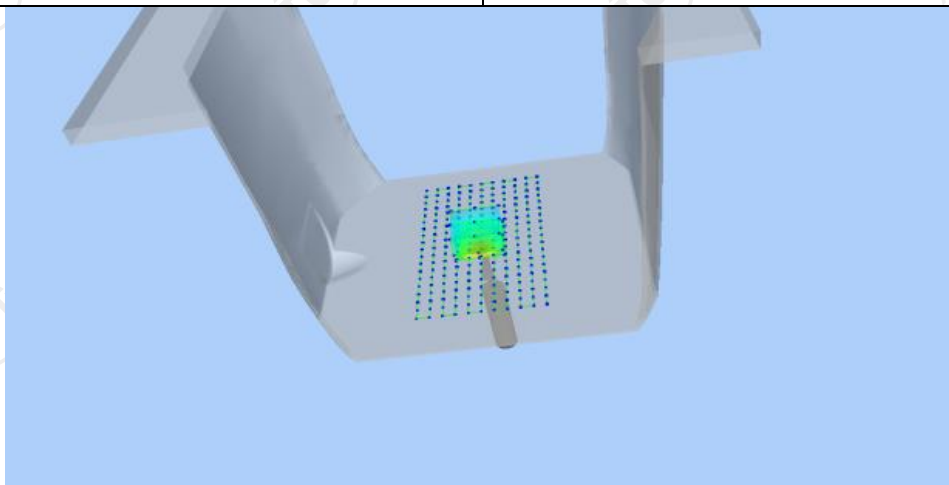
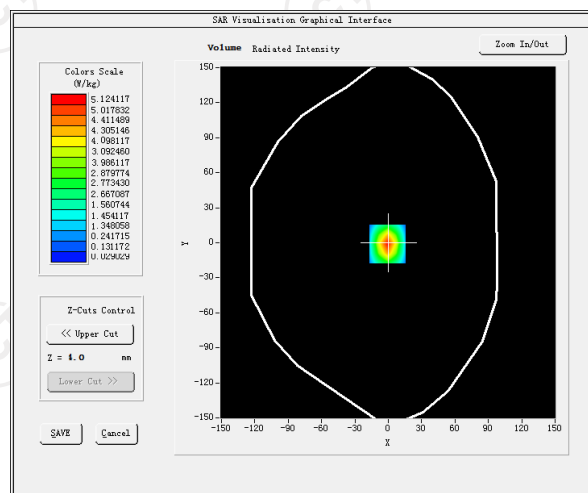
Date of measurement: 06/13/2024 Test mode: 2450MHz (Head)
 Product Description: Validation
 Dipole Model: SID2450
 E-Field Probe: SSE2 (SN 25/22 EPGO375)

Phantom	Validation plane
Input Power	100mW
Crest Factor	1.0
Probe Conversion factor	2.31
Frequency (MHz)	2450.000000
Relative permittivity (real part)	37.821613
Relative permittivity (imaginary part)	13.546980
Conductivity (S/m)	1.834111
Variation (%)	-0.470000
SAR 10g (W/Kg)	2.364445
SAR 1g (W/Kg)	4.994244

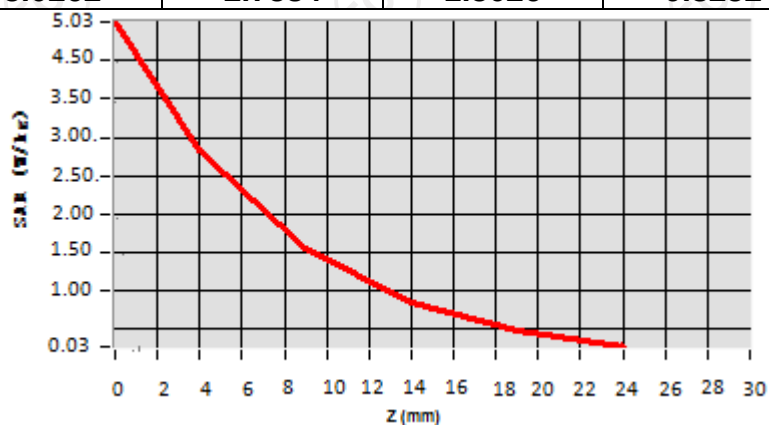
SURFACE SAR



VOLUME SAR



Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	5.0262	2.7584	1.5026	0.8252	0.4125

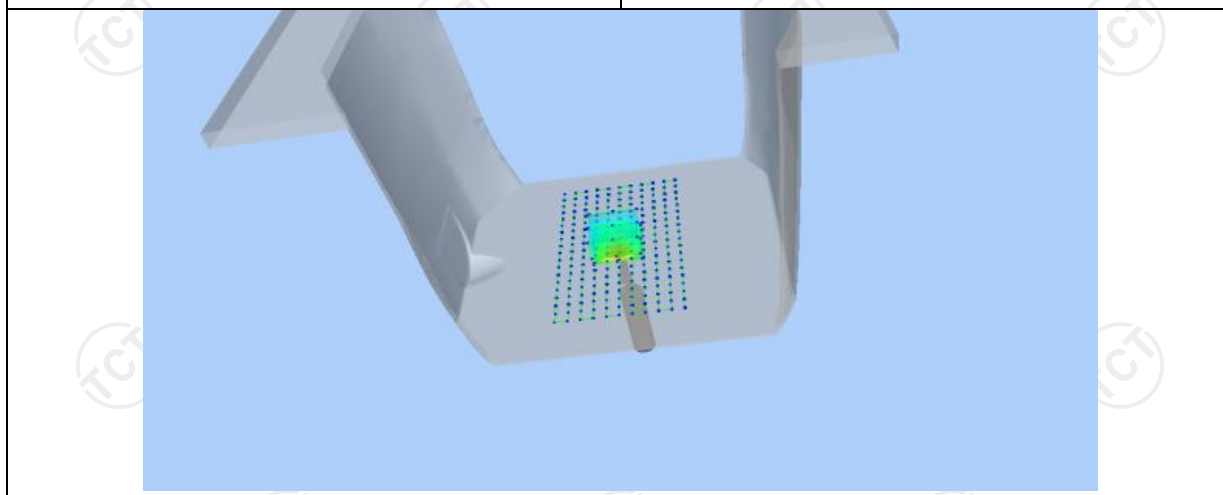
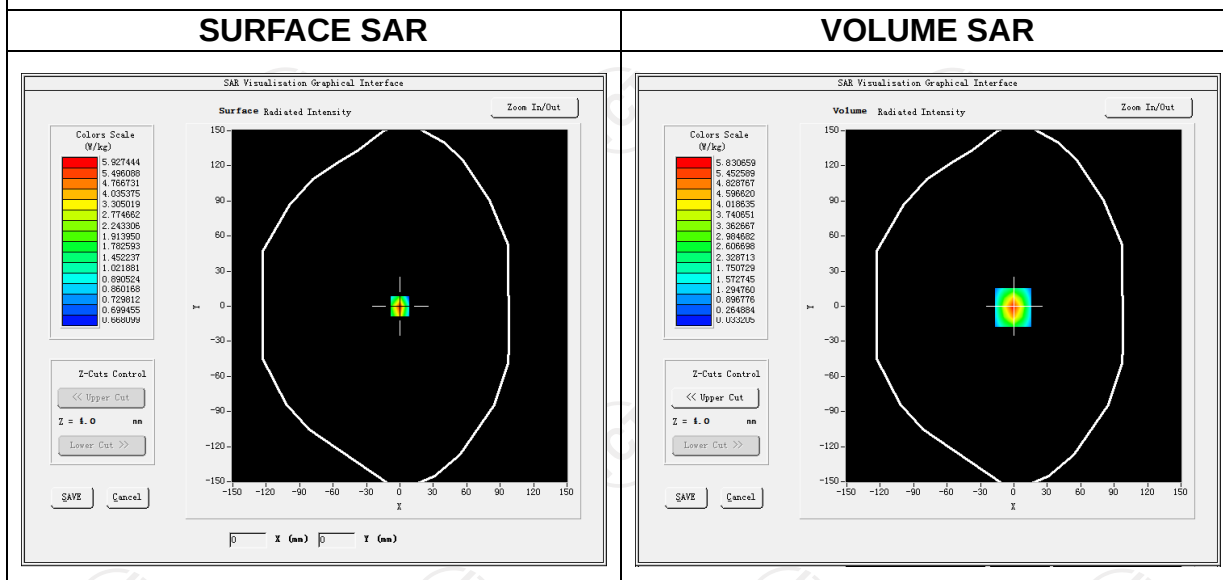


Hot spot position

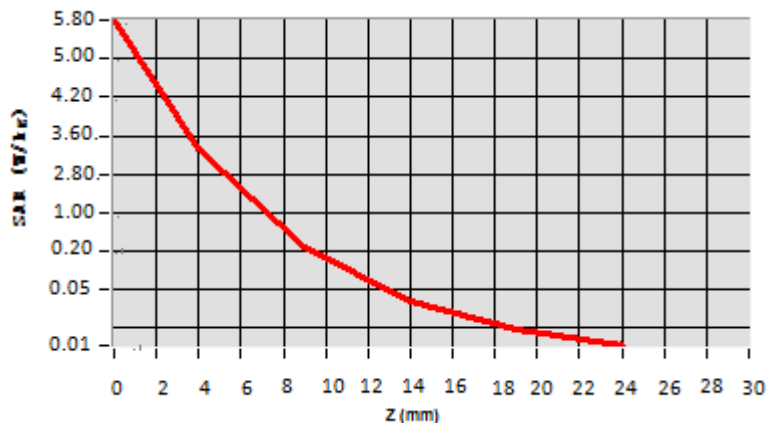


Date of measurement: 06/17/2024 Test mode: 2600MHz (Head)
 Product Description: Validation
 Dipole Model: SID2600
 E-Field Probe: SSE2 (SN 25/22 EPGO375)

Phantom	Validation plane
Input Power	100mW
Crest Factor	1.0
Probe Conversion factor	4.36
Frequency (MHz)	2535.000000
Relative permittivity (real part)	38.853477
Relative permittivity (imaginary part)	13.545489
Conductivity (S/m)	1.922567
Variation (%)	-1.360000
SAR 10g (W/Kg)	2.430127
SAR 1g (W/Kg)	5.413744



Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	5.7893	3.2375	0.2098	0.0387	0.0249



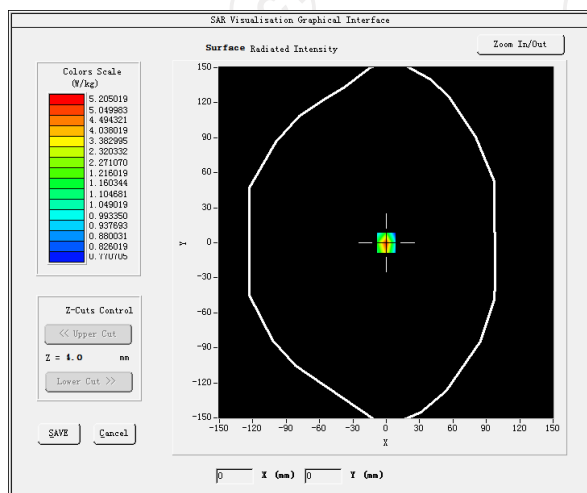
Hot spot position



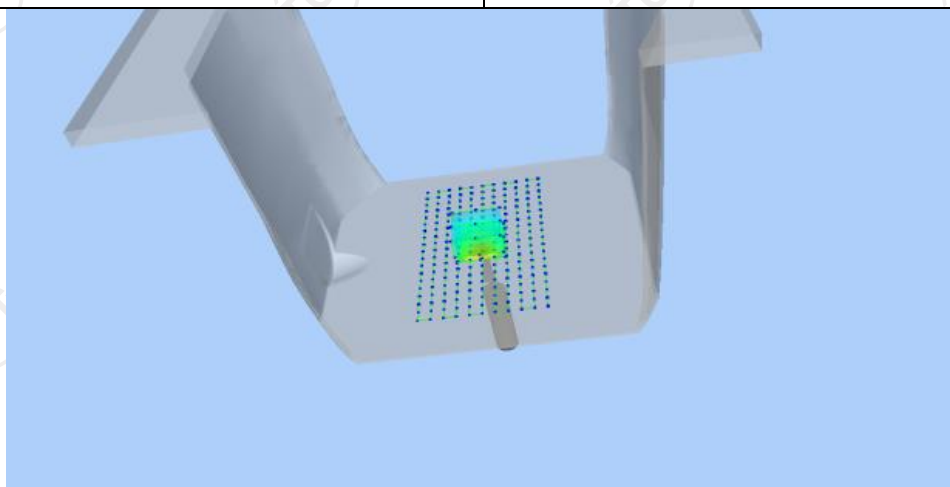
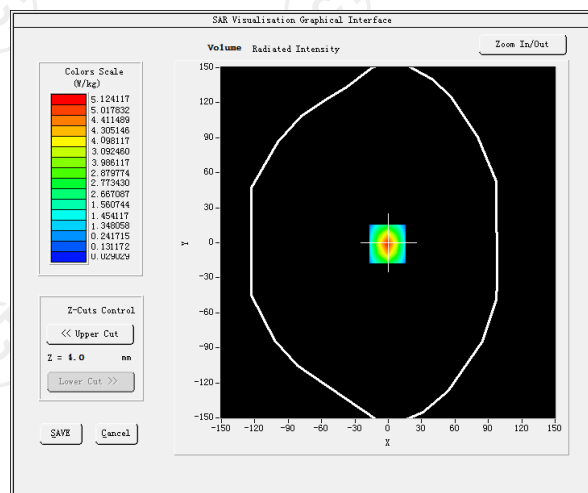
Date of measurement: 06/18/2024 Test mode: 3500MHz (Head)
 Product Description: Validation
 Dipole Model: SID3500
 E-Field Probe: SSE2 (SN 25/22 EPGO375)

Phantom	Validation plane
Input Power	100mW
Crest Factor	1.0
Probe Conversion factor	1.97
Frequency (MHz)	3500.000000
Relative permittivity (real part)	37.074512
Relative permittivity (imaginary part)	12.715642
Conductivity (S/m)	2.808745
Variation (%)	-1.590000
SAR 10g (W/Kg)	2.511547
SAR 1g (W/Kg)	6.441544

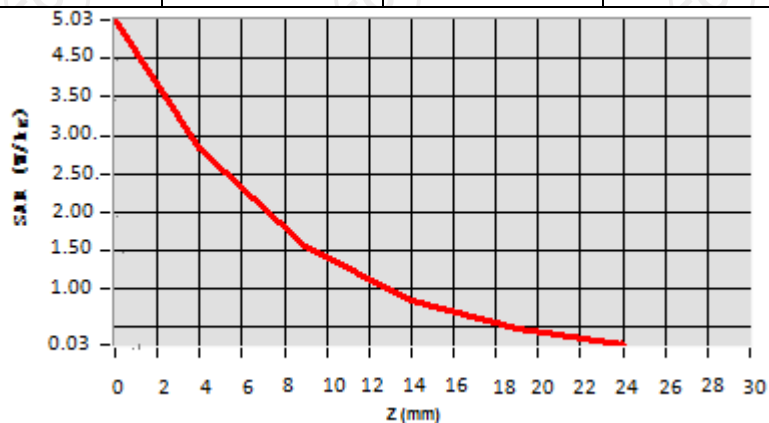
SURFACE SAR



VOLUME SAR



Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	5.0300	2.8745	1.4951	0.9074	0.5003



Hot spot position



Date of measurement: 06/19/2024 Test mode: 3700MHz (Head)

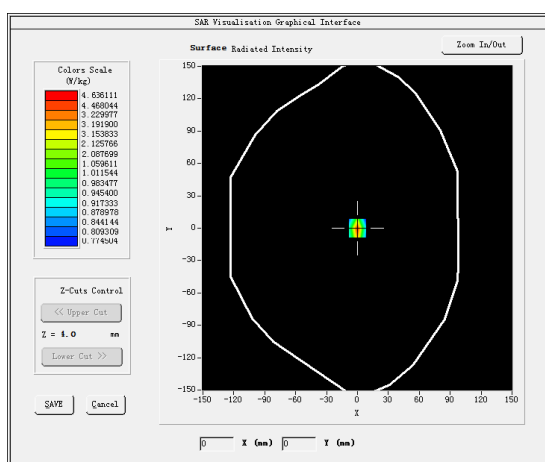
Product Description: Validation

Dipole Model: SID3700

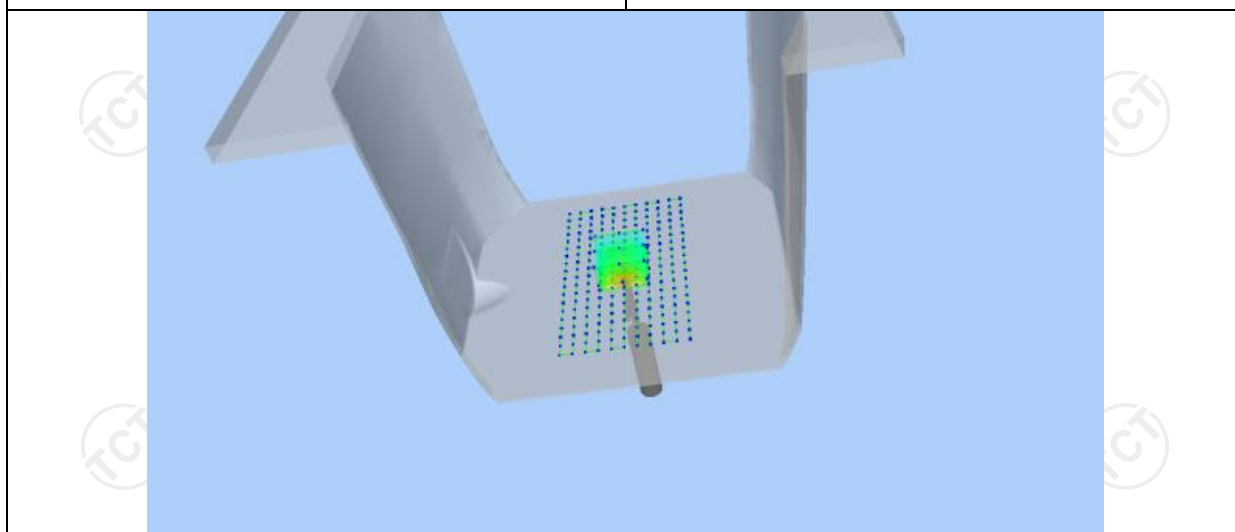
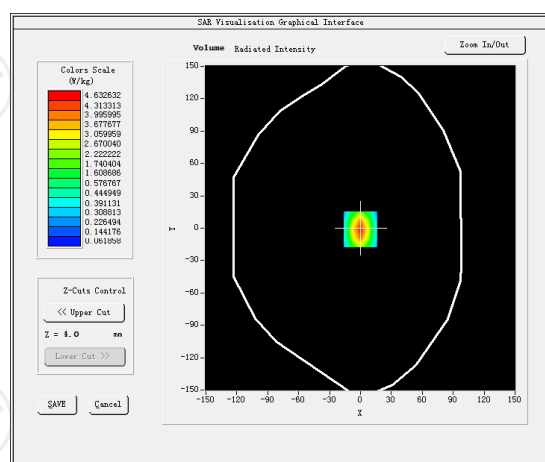
E-Field Probe: SSE2 (SN 25/22 EPGO375)

Phantom	Validation plane
Input Power	100mW
Crest Factor	1.0
Probe Conversion factor	1.98
Frequency (MHz)	3700.000000
Relative permittivity (real part)	37.210000
Relative permittivity (imaginary part)	12.700000
Conductivity (S/m)	3.210000
Variation (%)	-0.910000
SAR 10g (W/Kg)	2.491458
SAR 1g (W/Kg)	6.492497

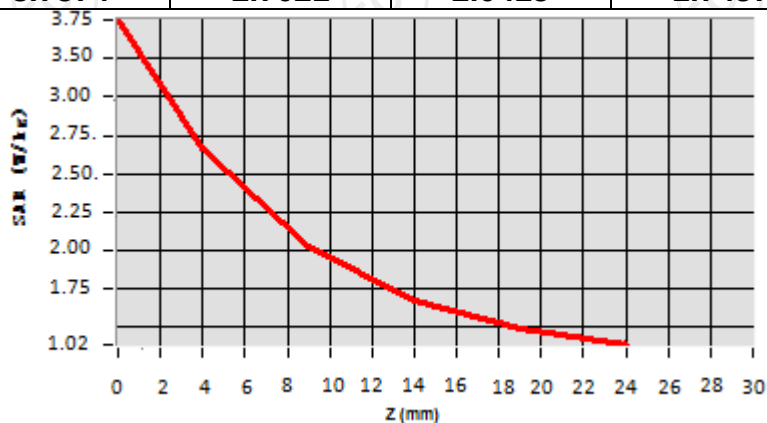
SURFACE SAR



VOLUME SAR



Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	3.7574	2.7021	2.0415	1.7457	1.0754



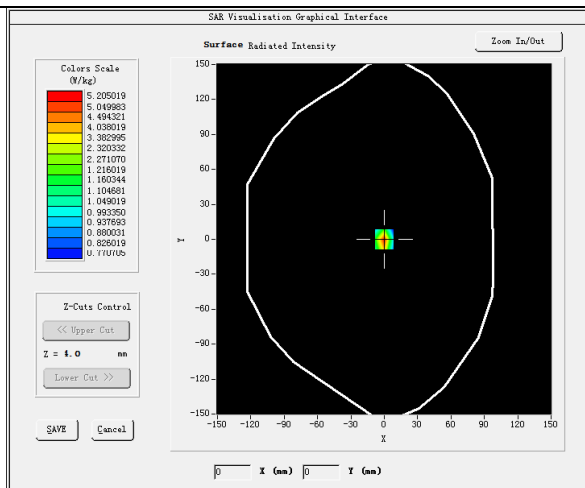
Hot spot position



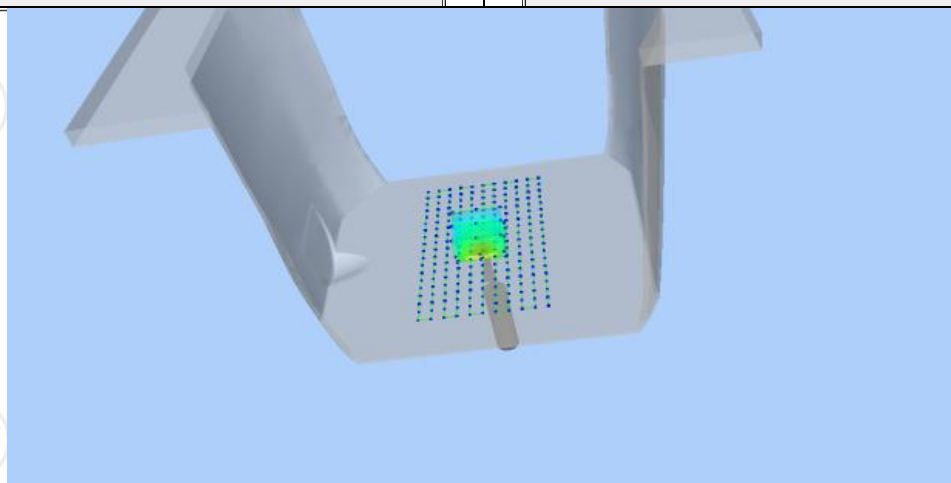
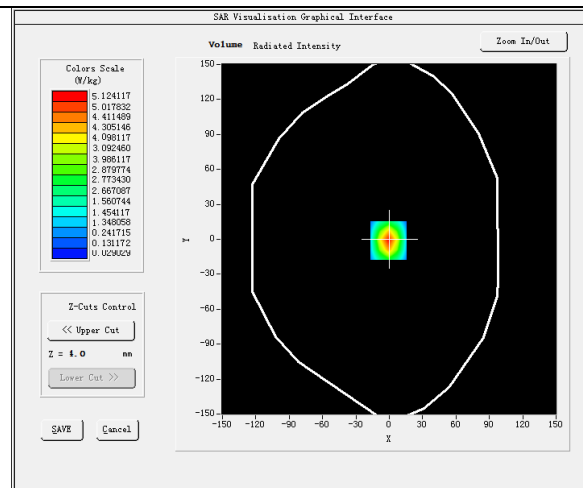
Date of measurement: 06/20/2024 Test mode: 5200MHz (Head)
 Product Description: Validation
 Dipole Model: SID5200
 E-Field Probe: SSE2 (SN 25/22 EPGO375)

Phantom	Validation plane
Input Power	100mW
Crest Factor	1.0
Probe Conversion factor	2.01
Frequency (MHz)	5200.000000
Relative permittivity (real part)	36.678832
Relative permittivity (imaginary part)	13.679428
Conductivity (S/m)	4.450788
Variation (%)	-0.820000
SAR 10g (W/Kg)	5.207521
SAR 1g (W/Kg)	15.902481

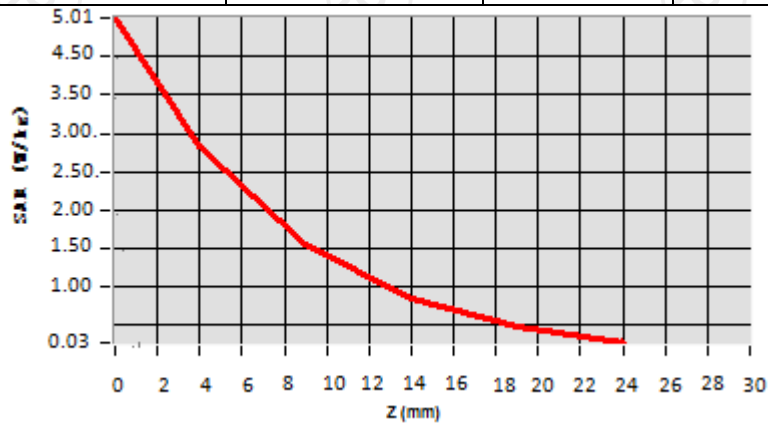
SURFACE SAR



VOLUME SAR



Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	5.0132	2.7584	1.5026	0.8252	0.4125



Hot spot position



Date of measurement: 06/25/2024 Test mode: 5300MHz (Head)

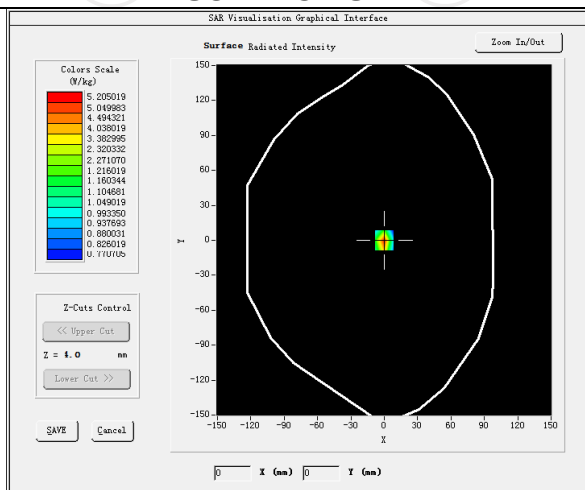
Product Description: Validation

Dipole Model: SID5300

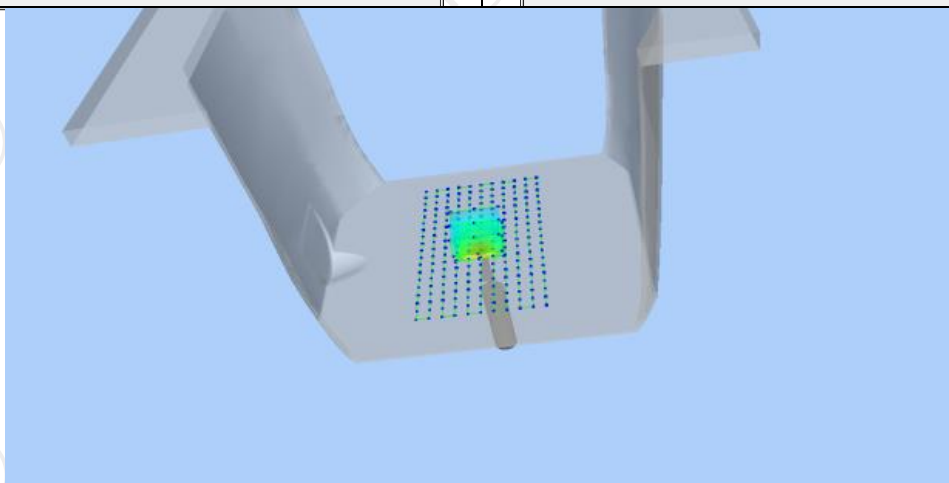
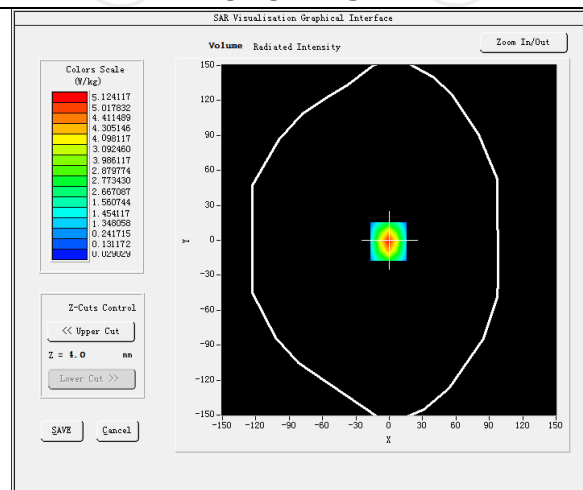
E-Field Probe: SSE2 (SN 25/22 EPGO375)

Phantom	Validation plane
Input Power	100mW
Crest Factor	1.0
Probe Conversion factor	1.94
Frequency (MHz)	5300.000000
Relative permittivity (real part)	36.078832
Relative permittivity (imaginary part)	13.680430
Conductivity (S/m)	4.690788
Variation (%)	-0.820000
SAR 10g (W/Kg)	17.217521
SAR 1g (W/Kg)	5.922481

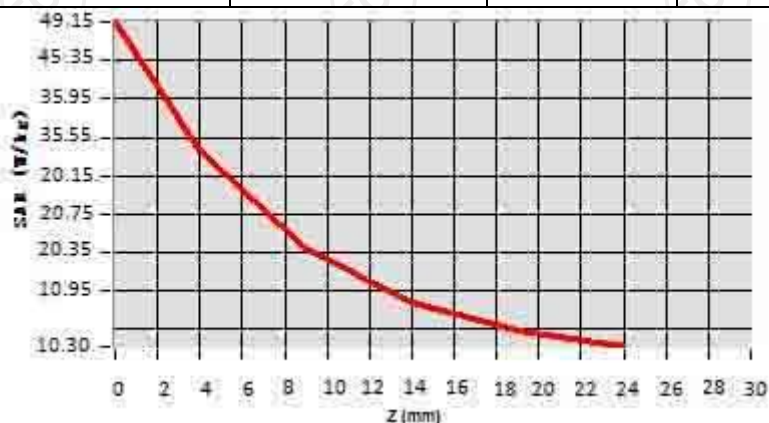
SURFACE SAR



VOLUME SAR



Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	49.15	27.584	20.346	11.252	5.4125



Hot spot position



Date of measurement: 06/28/2024 Test mode: 5600MHz (Head)

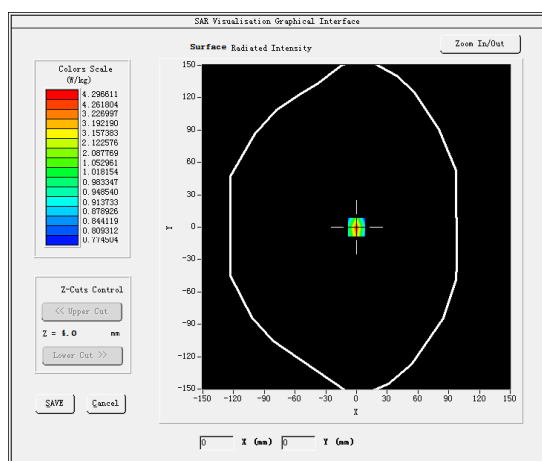
Product Description: Validation

Dipole Model: SID5000

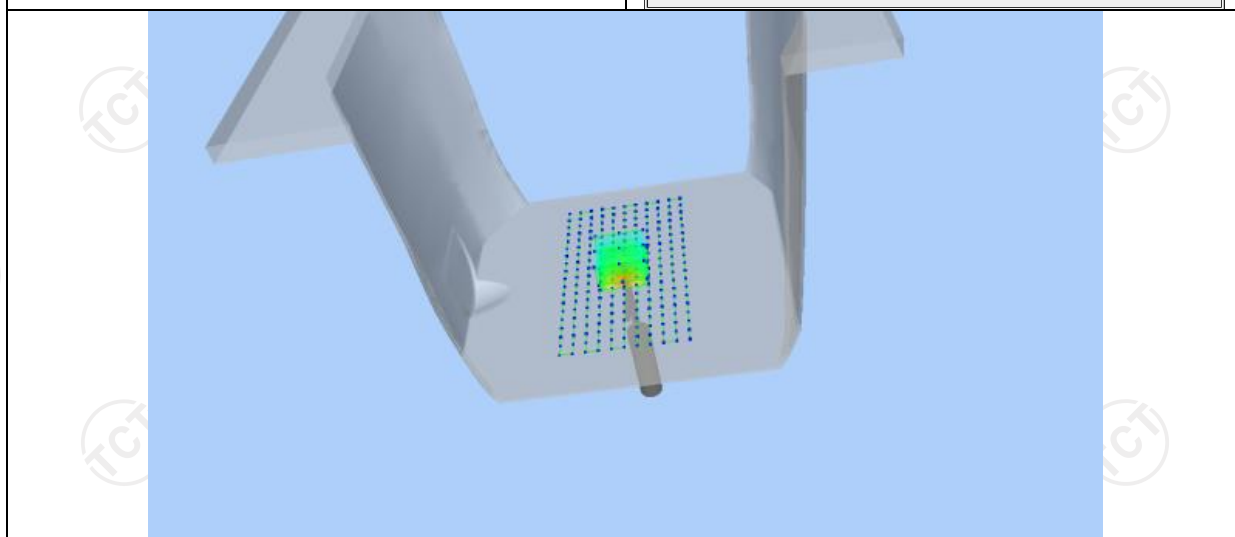
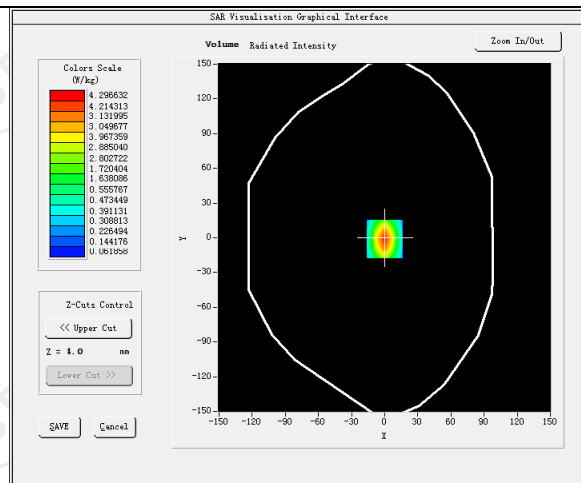
E-Field Probe: SSE2 (SN 25/22 EPGO375)

Phantom	Validation plane
Input Power	100mW
Crest Factor	1.0
Probe Conversion factor	2.12
Frequency (MHz)	5600.000000
Relative permittivity (real part)	35.344129
Relative permittivity (imaginary part)	13.329440
Conductivity (S/m)	4.951484
Variation (%)	1.410000
SAR 10g (W/Kg)	6.164105
SAR 1g (W/Kg)	18.130472

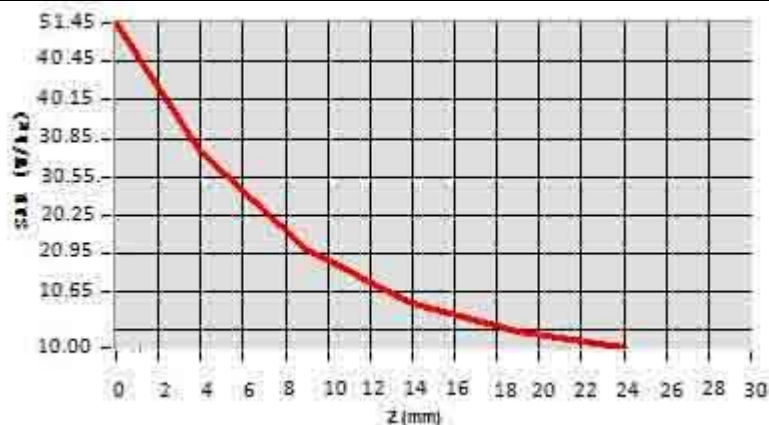
SURFACE SAR



VOLUME SAR



Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	51.4532	30.7154	20.9525	10.5194	10.3514



Hot spot position



Date of measurement: 07/05/2024 Test mode: 5800MHz (Head)

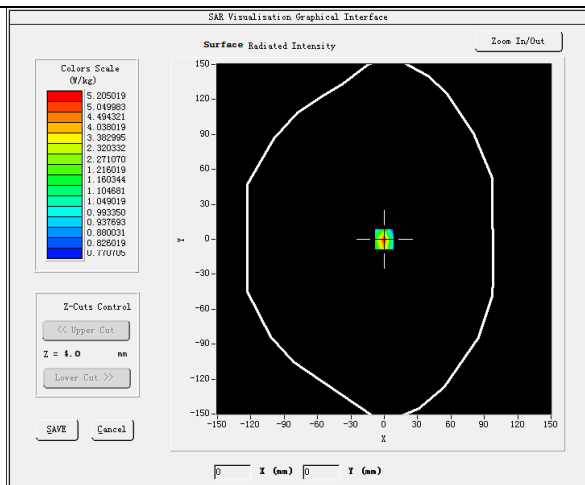
Product Description: Validation

Dipole Model: SID5800

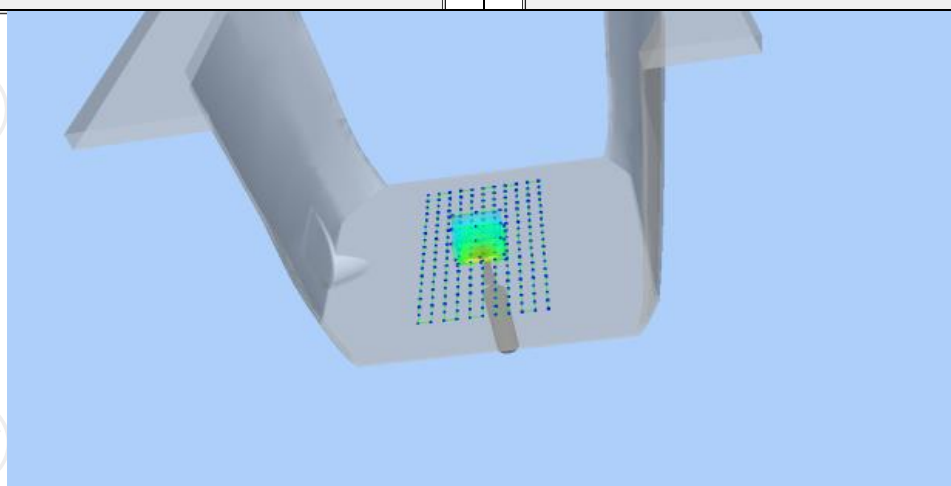
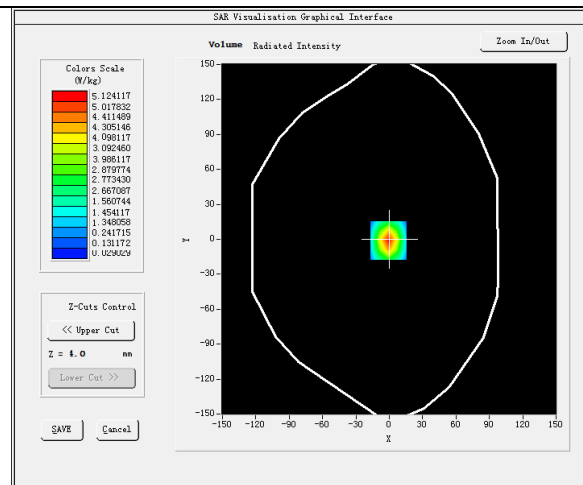
E-Field Probe: SSE2 (SN 25/22 EPGO375)

Phantom	Validation plane
Input Power	100mW
Crest Factor	1.0
Probe Conversion factor	2.06
Frequency (MHz)	5800.000000
Relative permittivity (real part)	34.812823
Relative permittivity (imaginary part)	13.671675
Conductivity (S/m)	5.080828
Variation (%)	-2.800000
SAR 10g (W/Kg)	5.545121
SAR 1g (W/Kg)	18.203573

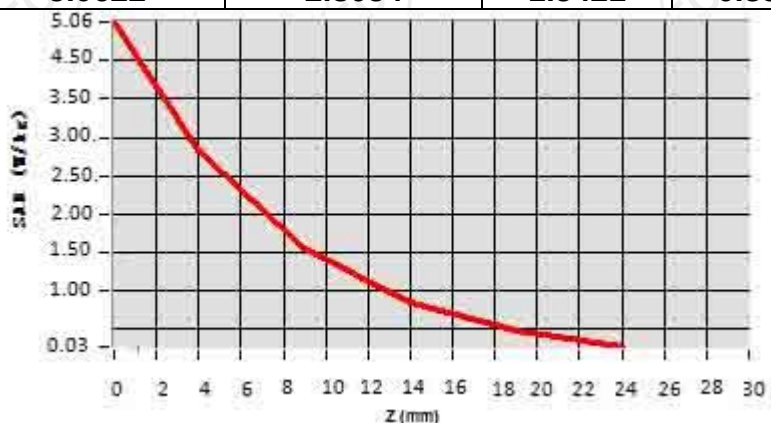
SURFACE SAR



VOLUME SAR



Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	5.0622	2.8054	1.5421	0.8321	0.4130



Hot spot position



12. SAR Test Data

GSM850

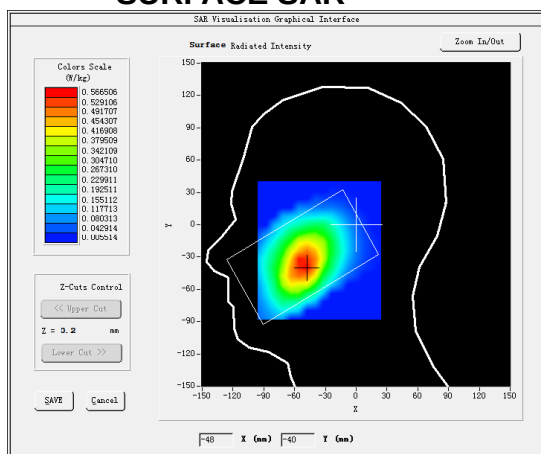
MEASUREMENT 1

Low Band SAR (Channel 128)

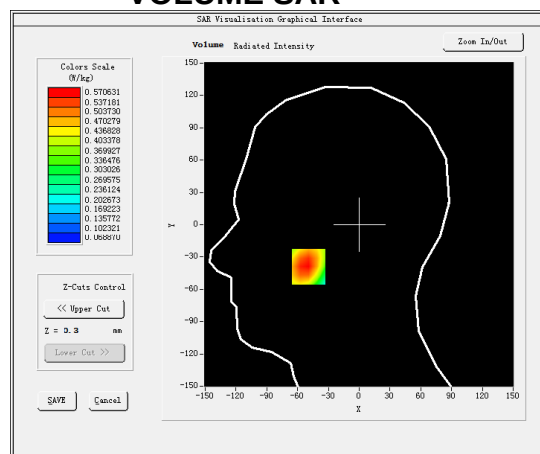
Date: 05/21/2024

Frequency (MHz)	824.200000
Relative permittivity (real part)	40.606560
Relative permittivity (imaginary part)	18.313232
Conductivity (S/m)	0.850955
Variation (%)	-1.280000
Crest Factor:	1.0
Probe Conversion factor	1.80
E-Field Probe:	SSE2 (SN 25/22 EPG0375)
Area Scan	<u>dx=8mm dy=8mm, h= 5.00 mm</u>
ZoomScan	<u>5x5x7,dx=8mm dy=8mm</u> <u>dz=5mm,Complete/ndx=8mm dy=8mm, h=</u> <u>5.00 mm</u>
Phantom	<u>Left head</u>
Device Position	<u>Cheek</u>
Band	<u>GSM850(voice)</u>

SURFACE SAR



VOLUME SAR



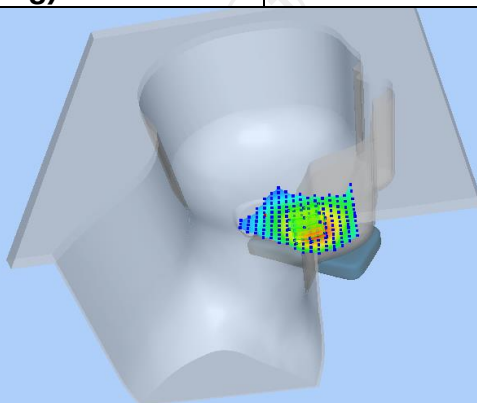
Maximum location: X=-49.00, Y=-39.00 SAR Peak: 0.43W/kg

SAR 10g (W/Kg)

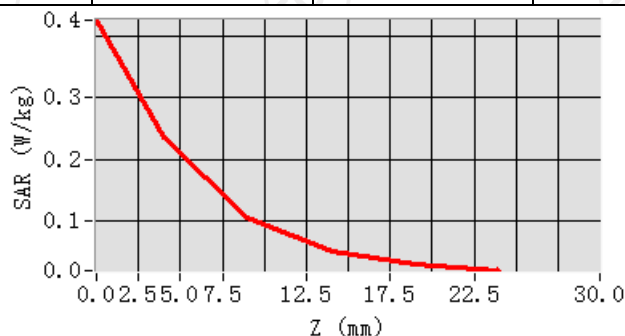
0.112831

SAR 1g (W/Kg)

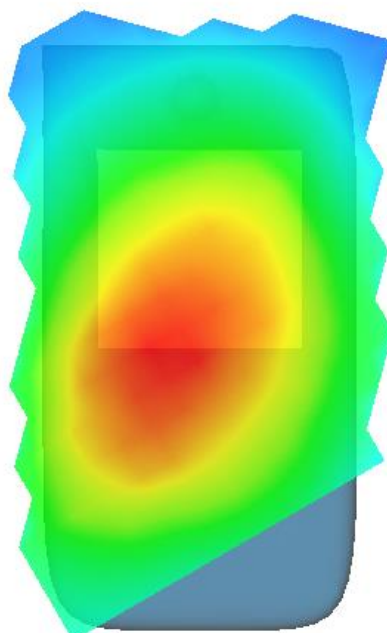
0.215745



Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	0.4263	0.2351	0.1055	0.0490	0.0278



Hot spot position



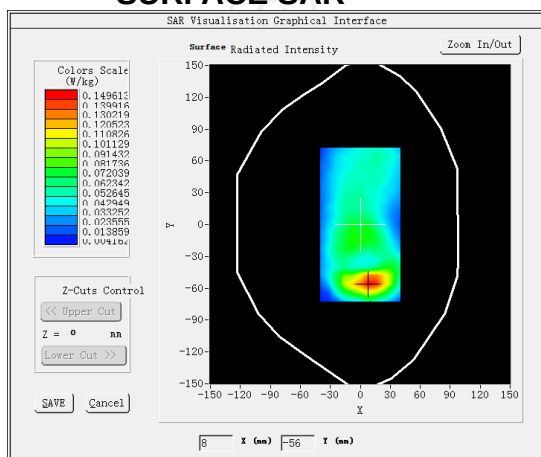
MEASUREMENT 2

Low Band SAR (Channel 128)

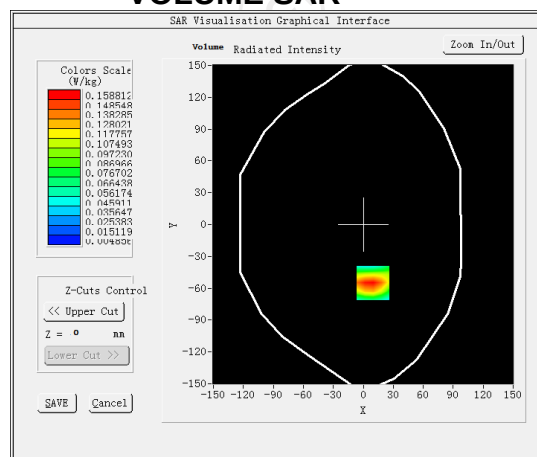
Date: 05/21/2024

Frequency (MHz)	824.200000
Relative permittivity (real part)	40.606560
Relative permittivity (imaginary part)	18.313232
Conductivity (S/m)	0.850955
Variation (%)	1.280000
Crest Factor:	1.0
Probe Conversion factor	1.80
E-Field Probe:	SSE2 (SN 25/22 EPG0375)
Area Scan	<u>dx=8mm dy=8mm, h= 5.00 mm</u>
ZoomScan	<u>5x5x7, dx=8mm dy=8mm</u> <u>dz=5mm, Complete/ndx=8mm dy=8mm, h=</u> <u>5.00 mm</u>
Phantom	<u>Validation plane</u>
Device Position	<u>Body back(10mm)</u>
Band	<u>GSM850(Voice)</u>

SURFACE SAR



VOLUME SAR



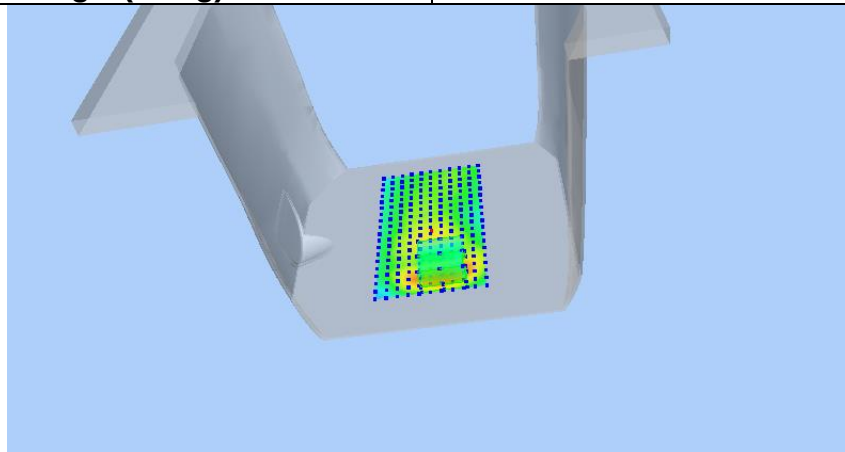
Maximum location: X=10.00, Y=-55.00 SAR Peak: 0.25 W/kg

SAR 10g (W/Kg)

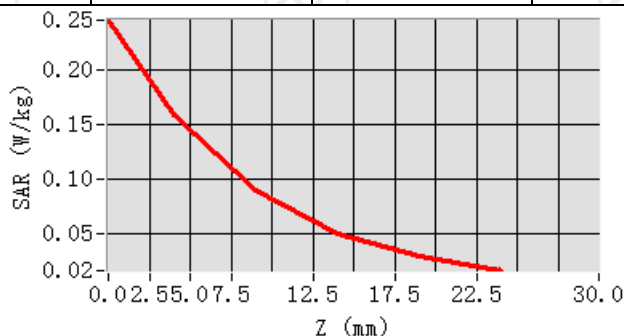
0.091684

SAR 1g (W/Kg)

0.161157



Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	0.2457	0.1588	0.0896	0.0506	0.0294



Hot spot position

