

11. EUT and Test Setup Photo

11.1 EUT Photo

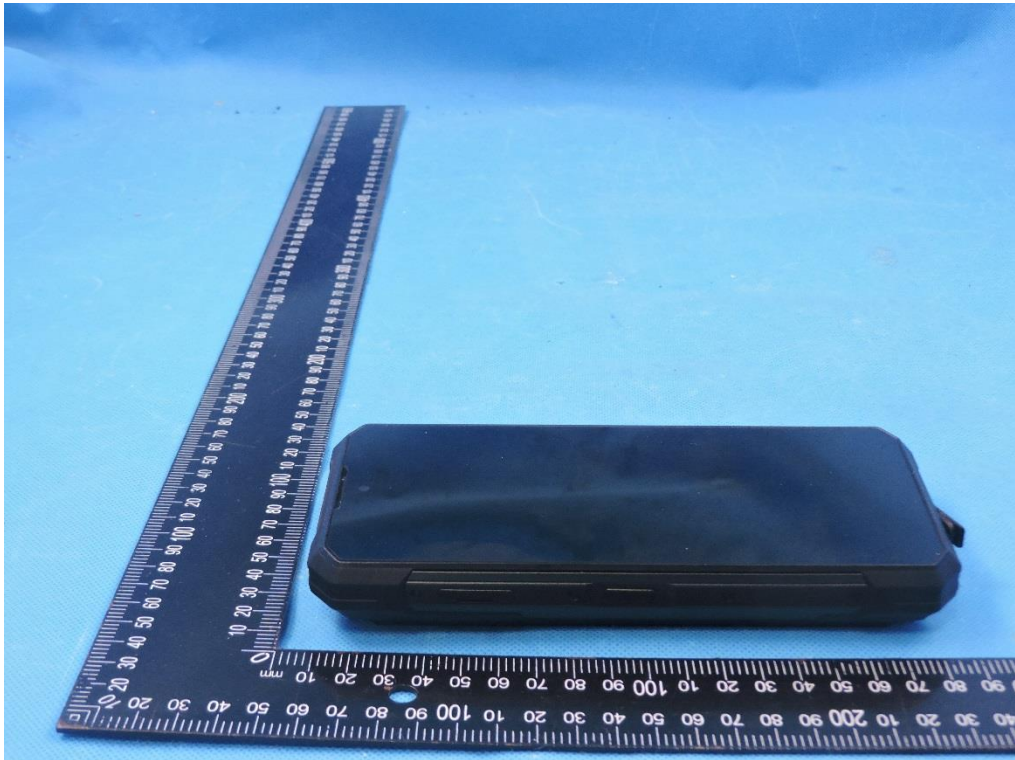
Front side



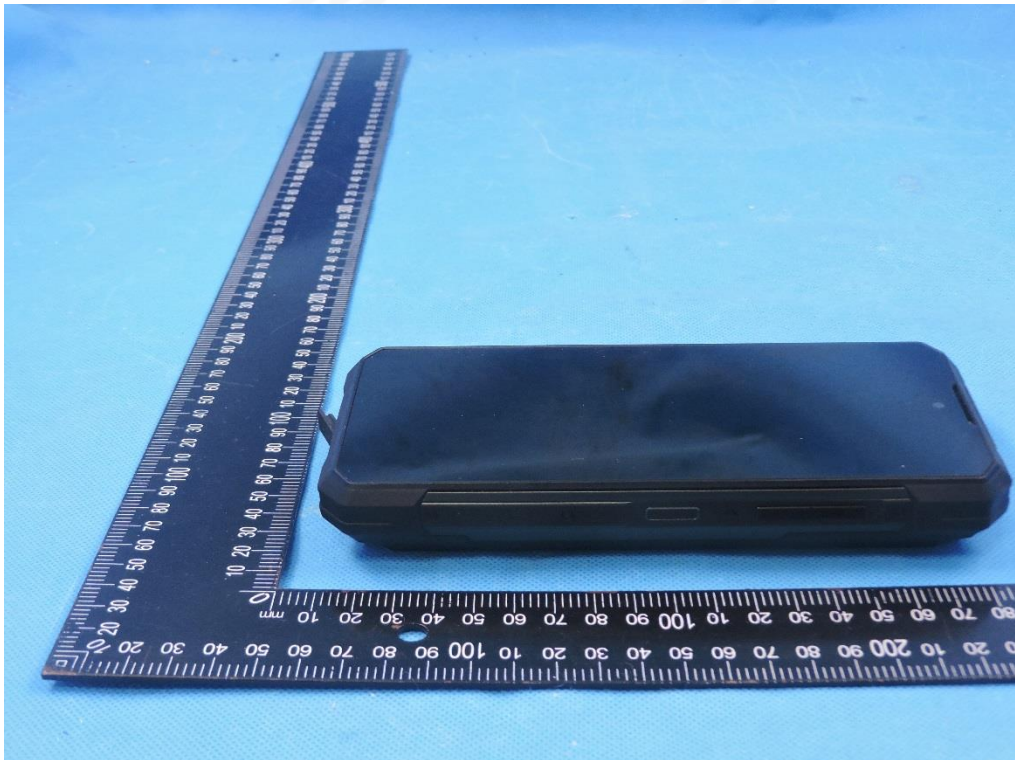
Back side



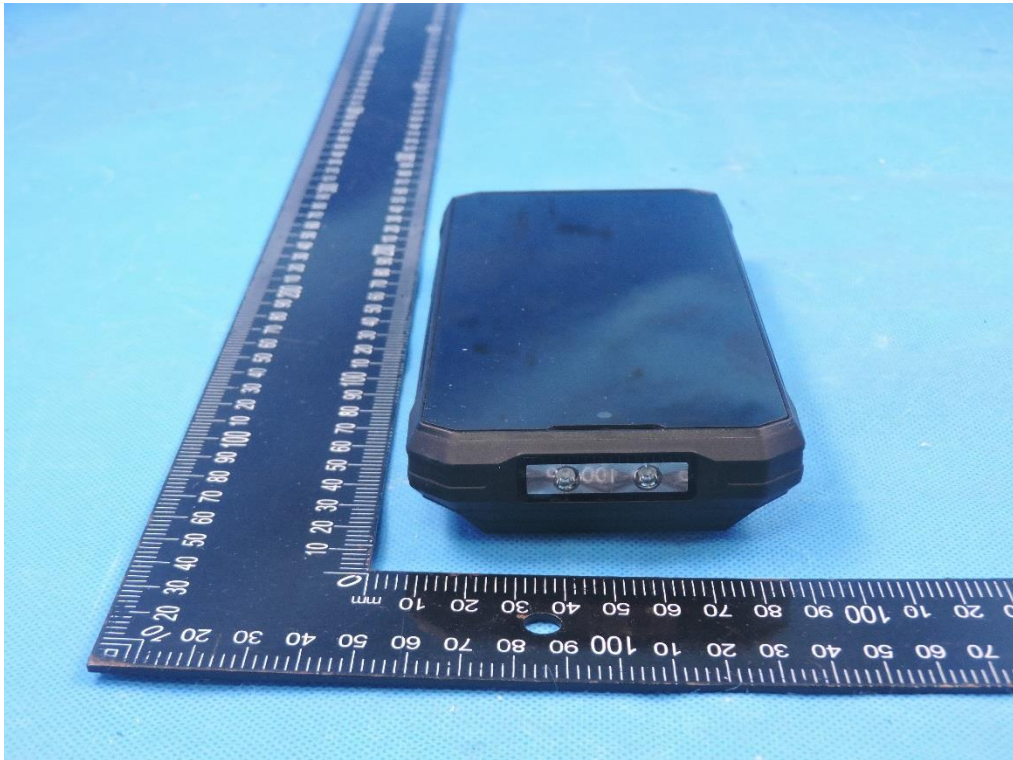
Left Edge



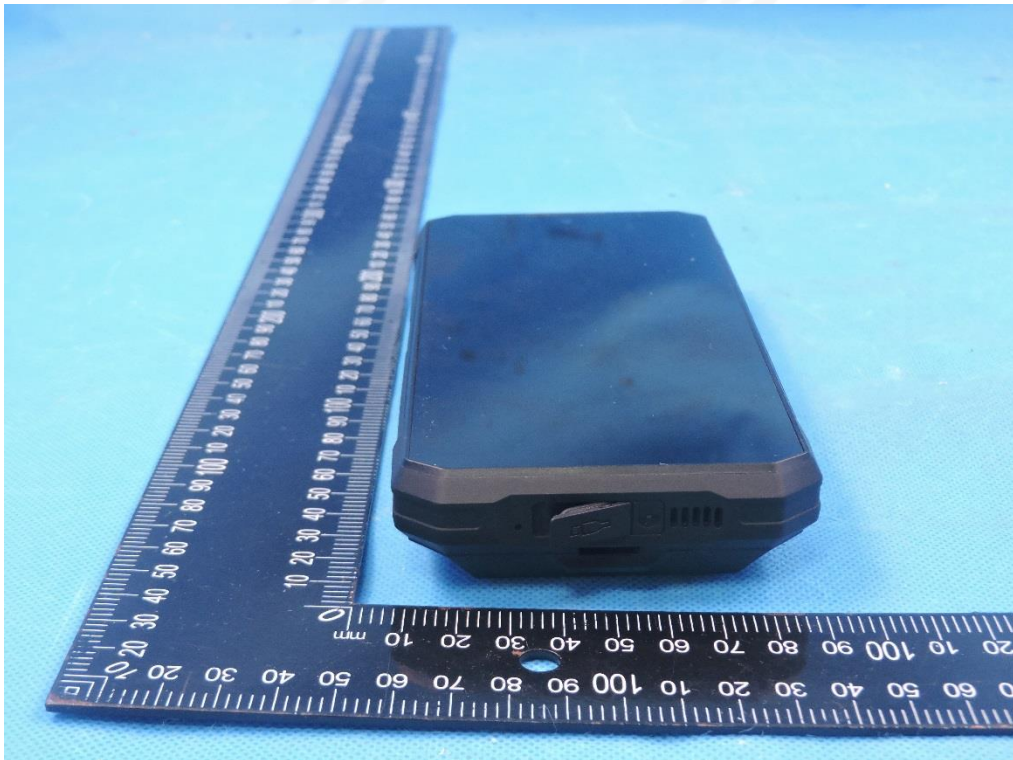
Right Edge



Top Edge



Bottom Edge

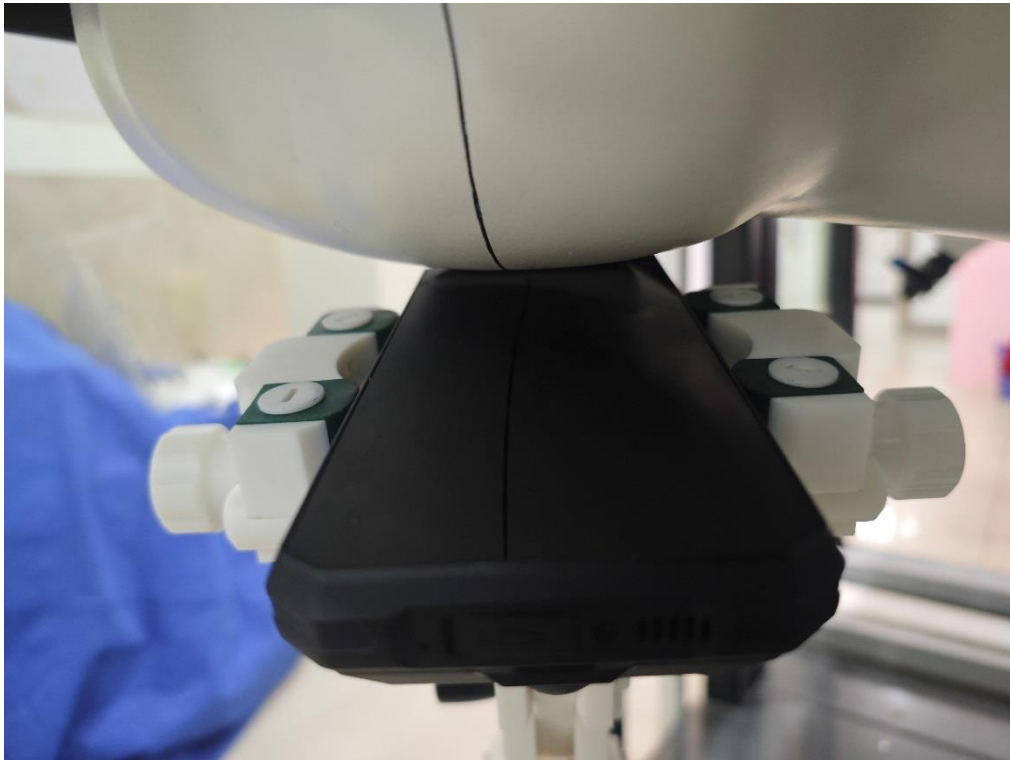


11.2 Setup Photo

Right Cheek



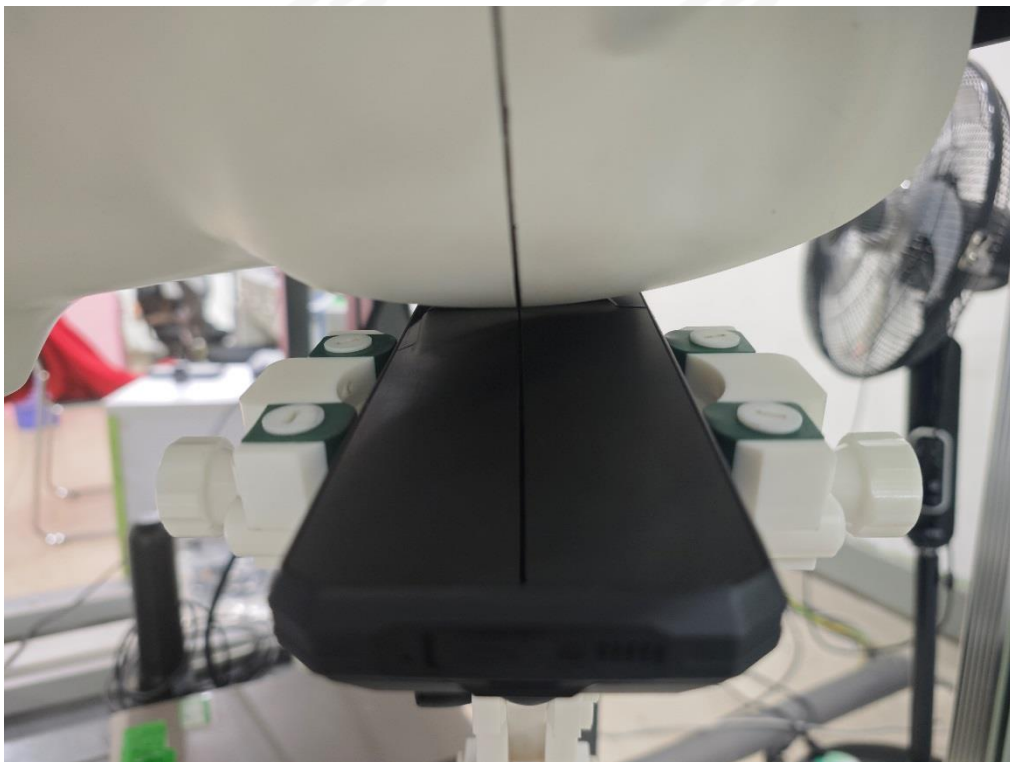
Right Tilt



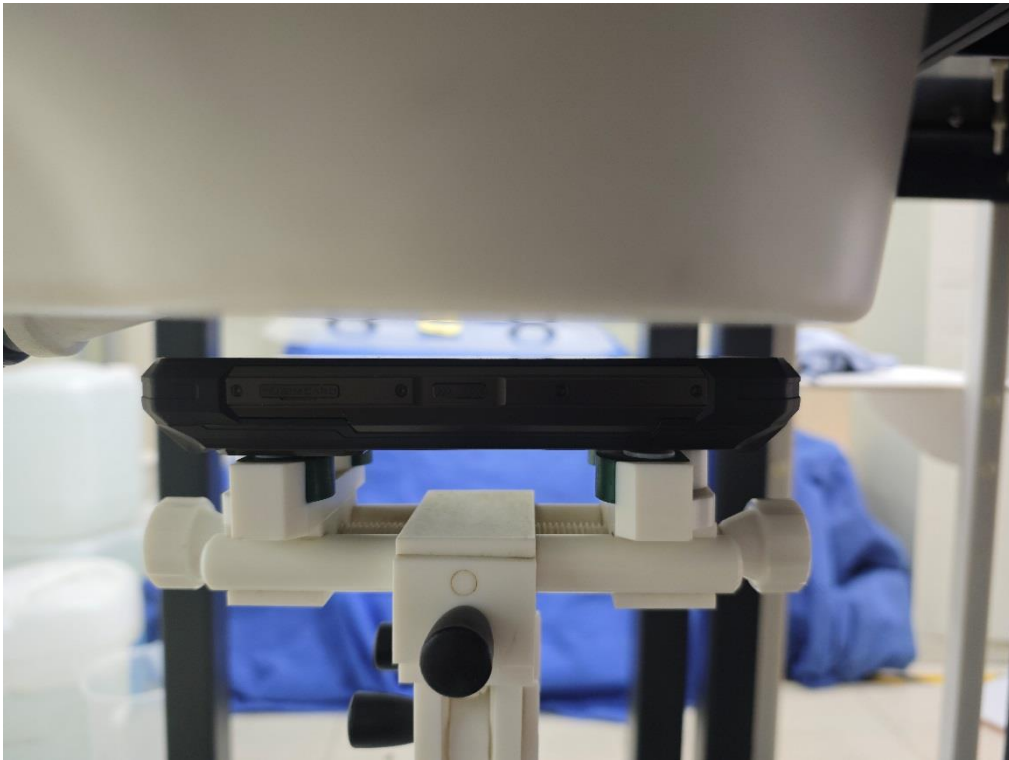
Left Cheek



Left Tilt



Body Front side(separation distance is 10mm)



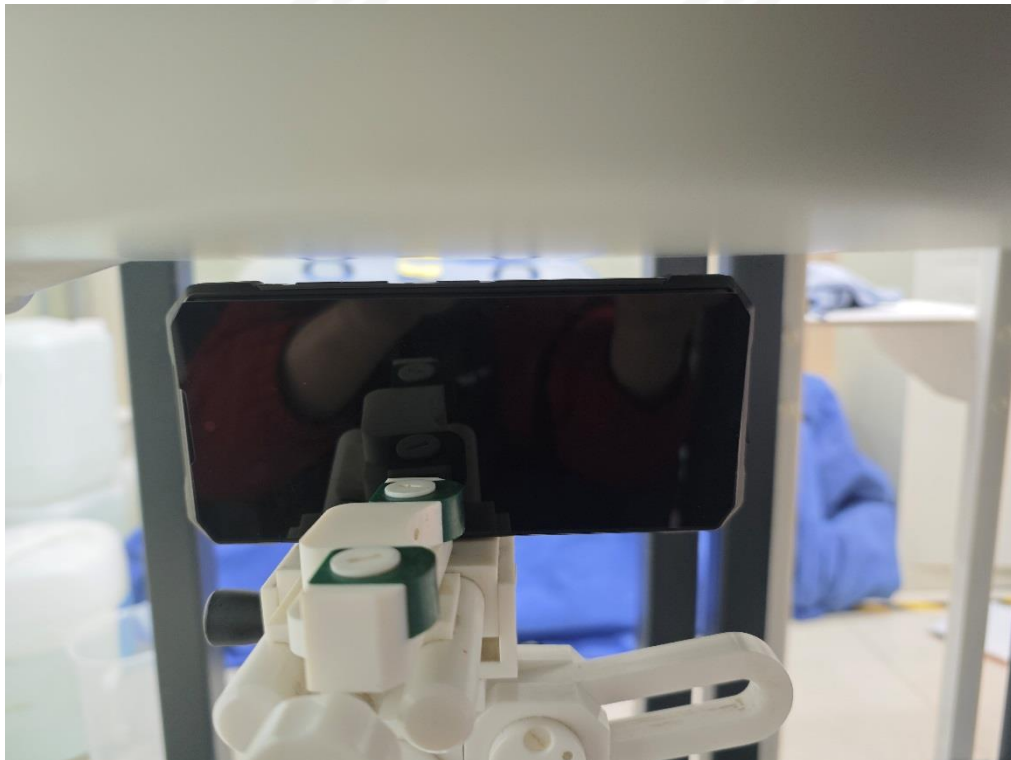
Body Back side(separation distance is 10mm)



Body Left side(separation distance is 10mm)



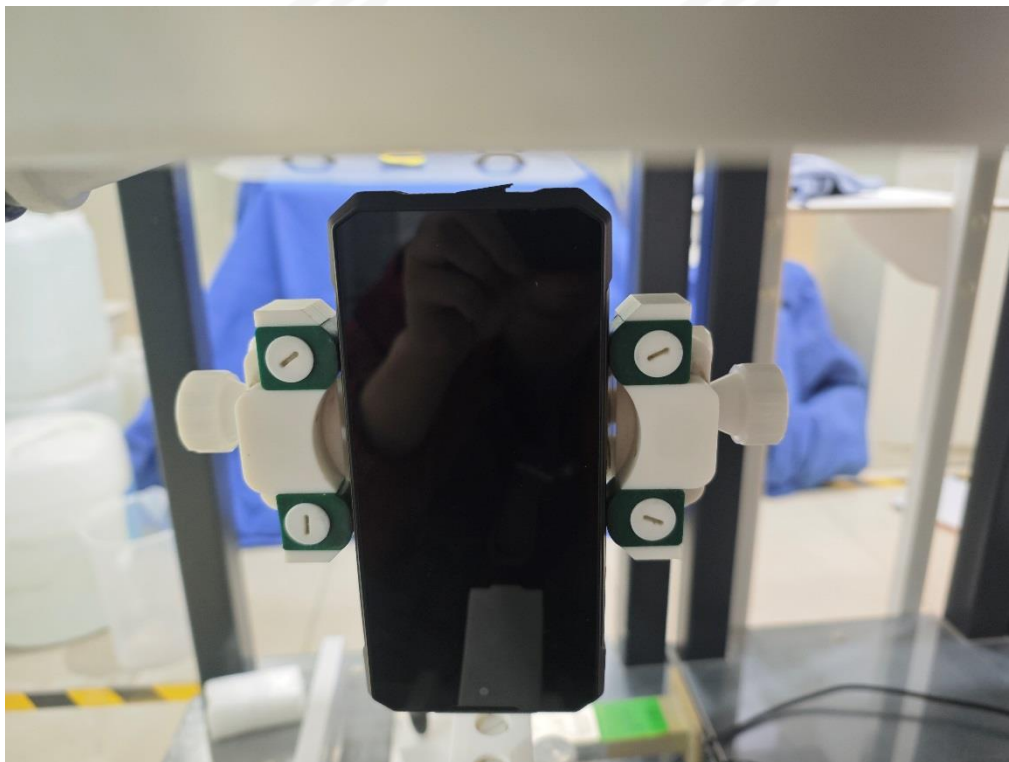
Body Right side(separation distance is 10mm)



Body Bottom side(separation distance is 10mm)

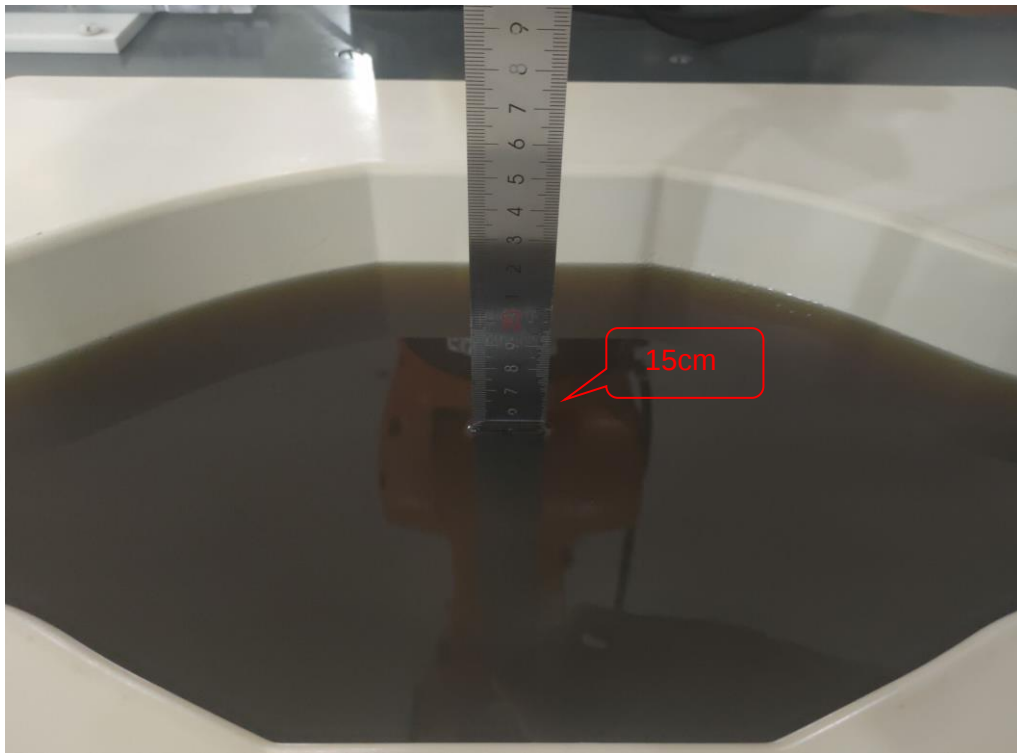


Body Top side(separation distance is 10mm)





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)	Scaling Factor	Scaled SAR (W/Kg)	Meas.No.
GSM850	GPRS Data- 2 Slot	Right Cheek	824.2	0.171	2.15	30.00	29.86	1.033	0.177	1
		Right Tilt	824.2	0.084	3.30	30.00	29.86	1.033	0.087	/
		Left Cheek	824.2	0.163	1.60	30.00	29.86	1.033	0.168	/
		Left Tilt	824.2	0.076	-3.50	30.00	29.86	1.033	0.078	/
GSM1900	GPRS Data- 3 Slot	Right Cheek	1850.2	0.068	1.85	28.00	27.82	1.042	0.071	3
		Right Tilt	1850.2	0.031	-2.89	28.00	27.82	1.042	0.032	/
		Left Cheek	1850.2	0.062	-2.47	28.00	27.82	1.042	0.065	/
		Left Tilt	1850.2	0.026	-2.54	28.00	27.82	1.042	0.027	/
WCDMA Band II	RMC	Right Cheek	1880	0.144	-1.80	23.00	21.86	1.300	0.187	5
		Right Tilt	1880	0.080	1.25	23.00	21.86	1.300	0.104	/
		Left Cheek	1880	0.132	0.01	23.00	21.86	1.300	0.172	/
		Left Tilt	1880	0.073	1.79	23.00	21.86	1.300	0.095	/
WCDMA Band V	RMC	Right Cheek	836.6	0.207	3.46	23.00	21.71	1.346	0.279	7
		Right Tilt	836.6	0.134	-2.61	23.00	21.71	1.346	0.180	/
		Left Cheek	836.6	0.195	-0.38	23.00	21.71	1.346	0.262	/
		Left Tilt	836.6	0.122	0.16	23.00	21.71	1.346	0.164	/
WCDMA Band IV	RMC	Right Cheek	1740	0.168	3.45	23.00	21.83	1.309	0.220	9
		Right Tilt	1740	0.094	-1.83	23.00	21.83	1.309	0.123	/
		Left Cheek	1740	0.158	-3.68	23.00	21.83	1.309	0.207	/
		Left Tilt	1740	0.082	1.65	23.00	21.83	1.309	0.107	/



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)	Scaling Factor	Scaled SAR (W/Kg)	Meas. s.No.
LTE Band 2	20M	QPSK	1	0	Right Cheek	1880	0.240	-2.81	23.50	22.7	1.202	0.289	11
			50	49	Right Cheek	1880	0.224	-1.18	22.50	22.21	1.069	0.239	/
			1	0	Right Tilt	1880	0.095	3.88	23.50	22.7	1.202	0.114	/
			50	49	Right Tilt	1880	0.083	-2.26	22.50	22.21	1.069	0.089	/
			1	0	Left Cheek	1880	0.228	-3.09	23.50	22.7	1.202	0.274	/
			50	49	Left Cheek	1880	0.210	-0.86	22.50	22.21	1.069	0.225	/
			1	0	Left Tilt	1880	0.085	1.71	23.50	22.7	1.202	0.102	/
			50	49	Left Tilt	1880	0.069	0.28	22.50	22.21	1.069	0.074	/
LTE Band 4	20M	QPSK	1	0	Right Cheek	1720	0.211	-3.12	24.00	23.65	1.084	0.229	13
			50	49	Right Cheek	1732.5	0.198	3.18	22.50	22.48	1.005	0.199	/
			1	0	Right Tilt	1720	0.064	-0.68	24.00	23.65	1.084	0.069	/
			50	49	Right Tilt	1732.5	0.056	-3.94	22.50	22.48	1.005	0.056	/
			1	0	Left Cheek	1720	0.203	-2.95	24.00	23.65	1.084	0.220	/
			50	49	Left Cheek	1732.5	0.189	2.76	22.50	22.48	1.005	0.190	/
			1	0	Left Tilt	1720	0.054	1.11	24.00	23.65	1.084	0.059	/
			50	49	Left Tilt	1732.5	0.048	3.25	22.50	22.48	1.005	0.048	/
LTE Band 5	10M	QPSK	1	0	Right Cheek	829	0.218	2.60	25.50	24.06	1.393	0.304	/
			1	0	Right Cheek	836.5	0.242	2.79	25.50	24.47	1.268	0.307	15
			1	0	Right Cheek	844	0.211	-3.89	25.50	24.01	1.409	0.297	/
			25	0	Right Cheek	836.5	0.220	-1.38	24.00	23.64	1.086	0.239	/
			1	0	Right Tilt	836.5	0.126	-1.99	25.50	24.47	1.268	0.160	/
			25	0	Right Tilt	836.5	0.111	3.70	24.00	23.64	1.086	0.121	/
			1	0	Left Cheek	836.5	0.226	-0.63	25.50	24.47	1.268	0.286	/
			25	0	Left Cheek	836.5	0.213	-3.66	24.00	23.64	1.086	0.231	/
			1	0	Left Tilt	836.5	0.115	3.11	25.50	24.47	1.268	0.146	/
			25	0	Left Tilt	836.5	0.106	1.13	24.00	23.64	1.086	0.115	/
LTE Band 7	20M	QPSK	1	0	Right Cheek	2535	0.187	3.77	24.00	23.05	1.245	0.233	17
			25	12	Right Cheek	2560	0.175	1.70	23.50	22.81	1.172	0.205	/
			1	0	Right Tilt	2535	0.038	-2.20	24.00	23.05	1.245	0.047	/
			25	12	Right Tilt	2560	0.031	2.72	23.50	22.81	1.172	0.036	/
			1	0	Left Cheek	2535	0.164	-3.21	24.00	23.05	1.245	0.204	/
			25	12	Left Cheek	2560	0.156	0.22	23.50	22.81	1.172	0.183	/
			1	0	Left Tilt	2535	0.035	1.35	24.00	23.05	1.245	0.044	/
			25	12	Left Tilt	2560	0.030	-0.54	23.50	22.81	1.172	0.035	/



LTE Band 19	10M	QPSK	1	0	Right Cheek	822.5	0.246	3.88	24.50	24.45	1.012	0.249	19
			25	0	Right Cheek	822.5	0.221	1.60	23.50	23.33	1.040	0.230	/
			1	0	Right Tilt	822.5	0.127	3.45	24.50	24.45	1.012	0.128	/
			25	0	Right Tilt	822.5	0.114	0.73	23.50	23.33	1.040	0.119	/
			1	0	Left Cheek	822.5	0.229	-1.33	24.50	24.45	1.012	0.232	/
			25	0	Left Cheek	822.5	0.207	-2.83	23.50	23.33	1.040	0.215	/
			1	0	Left Tilt	822.5	0.112	-2.99	24.50	24.45	1.012	0.113	/
			25	0	Left Tilt	822.5	0.097	3.95	23.50	23.33	1.040	0.101	/
LTE Band 25	20M	QPSK	1	49	Right Cheek	1860	0.233	1.44	25.00	24.36	1.159	0.270	21
			50	49	Right Cheek	1905	0.218	0.06	23.50	23.15	1.084	0.236	/
			1	49	Right Tilt	1860	0.091	4.00	25.00	24.36	1.159	0.105	/
			50	49	Right Tilt	1905	0.086	1.82	23.50	23.15	1.084	0.093	/
			1	49	Left Cheek	1860	0.226	3.88	25.00	24.36	1.159	0.262	/
			50	49	Left Cheek	1905	0.210	-0.96	23.50	23.15	1.084	0.228	/
			1	49	Left Tilt	1860	0.086	1.74	25.00	24.36	1.159	0.100	/
			50	49	Left Tilt	1905	0.079	-0.93	23.50	23.15	1.084	0.086	/
LTE Band 26	15M	QPSK	1	38	Right Cheek	831.5	0.209	1.62	24.00	23.69	1.074	0.224	23
			38	0	Right Cheek	831.5	0.194	1.82	22.00	21.89	1.026	0.199	/
			1	38	Right Tilt	831.5	0.107	-3.06	24.00	23.69	1.074	0.115	/
			38	0	Right Tilt	831.5	0.093	-1.95	22.00	21.89	1.026	0.095	/
			1	38	Left Cheek	831.5	0.196	3.88	24.00	23.69	1.074	0.211	/
			38	0	Left Cheek	831.5	0.184	1.43	22.00	21.89	1.026	0.189	/
			1	38	Left Tilt	831.5	0.096	1.06	24.00	23.69	1.074	0.103	/
			38	0	Left Tilt	831.5	0.084	1.12	22.00	21.89	1.026	0.086	/
LTE Band 38	20M	QPSK	1	49	Right Cheek	2580	0.139	1.79	24.50	23.47	1.268	0.176	25
			50	49	Right Cheek	2610	0.119	2.44	23.50	22.46	1.271	0.151	/
			1	49	Right Tilt	2580	0.069	0.21	24.50	23.47	1.268	0.087	/
			50	49	Right Tilt	2610	0.057	-2.87	23.50	22.46	1.271	0.072	/
			1	49	Left Cheek	2580	0.123	1.83	24.50	23.47	1.268	0.156	/
			50	49	Left Cheek	2610	0.112	3.48	23.50	22.46	1.271	0.142	/
			1	49	Left Tilt	2580	0.059	-2.95	24.50	23.47	1.268	0.075	/
			50	49	Left Tilt	2610	0.054	-1.88	23.50	22.46	1.271	0.069	/
LTE Band 41	20M	QPSK	1	0	Right Cheek	2506	0.145	-3.81	24.00	23.81	1.045	0.151	27
			50	0	Right Cheek	2506	0.122	-0.87	22.00	21.65	1.084	0.132	/
			1	0	Right Tilt	2506	0.073	0.26	24.00	23.81	1.045	0.076	/
			50	0	Right Tilt	2506	0.068	2.69	22.00	21.65	1.084	0.074	/
			1	0	Left Cheek	2506	0.132	2.41	24.00	23.81	1.045	0.138	/
			50	0	Left Cheek	2506	0.119	0.50	22.00	21.65	1.084	0.129	/
			1	0	Left Tilt	2506	0.068	3.09	24.00	23.81	1.045	0.071	/



			50	0	Left Tilt	2506	0.061	-3.01	22.00	21.65	1.084	0.066	/
LTE Band 66	20M	QPSK	1	99	Right Cheek	1720	0.214	-0.59	24.50	23.97	1.130	0.242	29
			50	0	Right Cheek	1777.5	0.200	-2.02	23.00	22.87	1.030	0.206	/
			1	99	Right Tilt	1720	0.099	-2.40	24.50	23.97	1.130	0.112	/
			50	0	Right Tilt	1777.5	0.087	2.95	23.00	22.87	1.030	0.090	/
			1	99	Left Cheek	1720	0.197	-3.73	24.50	23.97	1.130	0.223	/
			50	0	Left Cheek	1777.5	0.191	-1.32	23.00	22.87	1.030	0.197	/
			1	99	Left Tilt	1720	0.089	-3.74	24.50	23.97	1.130	0.101	/
			50	0	Left Tilt	1777.5	0.080	-2.09	23.00	22.87	1.030	0.082	/

Band	Model	Test Position	Freq.	SAR (1g) (W/kg)	Power Drift(%)	Max.Turn-up Power(dBm)	Meas.Output Power(dBm)	Scaling Factor	Scaled SAR (W/Kg)	Meas.No.
BT	GFSK	Right Cheek	2480	0.127	0.75	12.00	11.66	1.081	0.137	31
		Right Tilt	2480	0.100	-2.13	12.00	11.66	1.081	0.108	/
		Left Cheek	2480	0.113	2.33	12.00	11.66	1.081	0.122	/
		Left Tilt	2480	0.097	3.60	12.00	11.66	1.081	0.105	/
5.2G WLAN	802.11 n- HT20	Right Cheek	5240	0.449	-1.29	12.00	11.67	1.079	0.484	33
		Right Tilt	5240	0.323	1.37	12.00	11.67	1.079	0.348	/
		Left Cheek	5240	0.418	3.64	12.00	11.67	1.079	0.451	/
		Left Tilt	5240	0.310	1.15	12.00	11.67	1.079	0.334	/
5.8G WLAN	802.11 n- HT20	Right Cheek	5785	0.231	-2.70	12.00	11.55	1.109	0.256	35
		Right Tilt	5785	0.201	2.79	12.00	11.55	1.109	0.223	/
		Left Cheek	5785	0.223	2.83	12.00	11.55	1.109	0.247	/
		Left Tilt	5785	0.174	-0.31	12.00	11.55	1.109	0.193	/

Note:

- Per KDB 447498 D04, the reported SAR is the measured SAR value adjusted for maximum tune-up tolerance.
 - 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.
 - Scaled SAR(W/kg)= Measured SAR(W/kg)*Tune-up Scaling Factor
- 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)	Scaling Factor	Scaled SAR (W/Kg)	Meas.No.
GSM850	GPRS 2 Slot	Front Side	824.2	0.208	-2.59	30.00	29.86	1.033	0.215	/
		Back Side	824.2	0.289	-0.01	30.00	29.86	1.033	0.298	2
		Left Side	824.2	0.101	-0.86	30.00	29.86	1.033	0.104	/
		Right Side	824.2	0.092	2.18	30.00	29.86	1.033	0.095	/
		Bottom Side	824.2	0.144	-2.73	30.00	29.86	1.033	0.149	/
GSM1900	GPRS 3 Slot	Front Side	1850.2	0.182	-1.04	28.00	27.82	1.042	0.190	/
		Back Side	1850.2	0.204	-0.69	28.00	27.82	1.042	0.213	4
		Left Side	1850.2	0.087	0.60	28.00	27.82	1.042	0.091	/
		Right Side	1850.2	0.089	-0.21	28.00	27.82	1.042	0.093	/
		Bottom Side	1850.2	0.182	0.72	28.00	27.82	1.042	0.190	/
WCDMA Band II	RMC	Front Side	1880	0.260	2.22	23.00	21.86	1.300	0.338	/
		Back Side	1880	0.439	0.87	23.00	21.86	1.300	0.571	6
		Left Side	1880	0.210	-1.31	23.00	21.86	1.300	0.273	/
		Right Side	1880	0.189	-1.47	23.00	21.86	1.300	0.246	/
		Bottom Side	1880	0.338	-2.25	23.00	21.86	1.300	0.439	/
WCDMA Band V	RMC	Front Side	836.6	0.148	-2.69	23.00	21.71	1.346	0.199	/
		Back Side	836.6	0.230	-3.21	23.00	21.71	1.346	0.310	8
		Left Side	836.6	0.099	-0.25	23.00	21.71	1.346	0.133	/
		Right Side	836.6	0.106	3.04	23.00	21.71	1.346	0.143	/
		Bottom Side	836.6	0.208	2.97	23.00	21.71	1.346	0.280	/
WCDMA Band IV	RMC	Front Side	1740	0.302	-2.67	23.00	21.83	1.309	0.395	/
		Back Side	1740	0.512	2.27	23.00	21.83	1.309	0.670	10
		Left Side	1740	0.226	2.79	23.00	21.83	1.309	0.296	/
		Right Side	1740	0.214	3.77	23.00	21.83	1.309	0.280	/
		Bottom Side	1740	0.289	2.54	23.00	21.83	1.309	0.378	/



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)	Scaling Factor	Scaled SAR (W/Kg)	Meas.No.
LTE Band 2	20M	QPSK	1	0	Front side	1880	0.263	0.74	23.50	22.70	1.202	0.316	/
			50	49	Front side	1880	0.245	-2.52	22.50	22.21	1.069	0.262	/
			1	0	Back Side	1880	0.448	-0.94	23.50	22.70	1.202	0.539	12
			50	49	Back Side	1880	0.421	-0.21	22.50	22.21	1.069	0.450	/
			1	0	Left Side	1880	0.147	2.64	23.50	22.70	1.202	0.177	/
			50	49	Left Side	1880	0.142	-3.60	22.50	22.21	1.069	0.152	/
			1	0	Right Side	1880	0.139	-0.47	23.50	22.70	1.202	0.167	/
			50	49	Right Side	1880	0.122	-0.44	22.50	22.21	1.069	0.130	/
			1	0	Bottom Side	1880	0.268	-0.47	23.50	22.70	1.202	0.322	/
			50	49	Bottom Side	1880	0.245	-3.06	22.50	22.21	1.069	0.262	/
LTE Band 4	20M	QPSK	1	0	Front side	1720	0.204	1.66	24.00	23.65	1.084	0.221	/
			50	49	Front side	1732.5	0.191	3.28	22.50	22.48	1.005	0.192	/
			1	0	Back Side	1720	0.274	3.58	24.00	23.65	1.084	0.297	14
			50	49	Back Side	1732.5	0.26	-0.79	22.50	22.48	1.005	0.261	/
			1	0	Left Side	1720	0.102	2.16	24.00	23.65	1.084	0.111	/
			50	49	Left Side	1732.5	0.094	-0.37	22.50	22.48	1.005	0.094	/
			1	0	Right Side	1720	0.089	3.43	24.00	23.65	1.084	0.096	/
			50	49	Right Side	1732.5	0.082	1.81	22.50	22.48	1.005	0.082	/
			1	0	Bottom Side	1720	0.246	3.59	24.00	23.65	1.084	0.267	/
			50	49	Bottom Side	1732.5	0.222	-3.90	22.50	22.48	1.005	0.223	/
LTE Band 5	10M	QPSK	1	0	Front side	836.5	0.102	0.38	25.50	24.47	1.268	0.129	/
			25	0	Front side	836.5	0.093	-1.06	24.00	23.64	1.086	0.101	/
			1	0	Back Side	836.5	0.224	-2.10	25.50	24.47	1.268	0.284	16
			25	0	Back Side	836.5	0.212	1.90	24.00	23.64	1.086	0.230	/
			1	0	Left Side	836.5	0.094	-2.07	25.50	24.47	1.268	0.119	/
			25	0	Left Side	836.5	0.086	0.49	24.00	23.64	1.086	0.093	/
			1	0	Right Side	836.5	0.099	3.42	25.50	24.47	1.268	0.125	/
			25	0	Right Side	836.5	0.087	1.47	24.00	23.64	1.086	0.095	/
			1	0	Bottom Side	836.5	0.158	2.37	25.50	24.47	1.268	0.200	/
			25	0	Bottom Side	836.5	0.134	-2.07	24.00	23.64	1.086	0.146	/
LTE Band 7	20M	QPSK	1	0	Front side	2535	0.132	1.55	24.00	23.05	1.245	0.164	/
			25	12	Front side	2560	0.118	-1.35	23.50	22.81	1.172	0.138	/
			1	0	Back Side	2510	0.961	2.78	24.00	22.96	1.271	1.221	/
			1	0	Back Side	2535	1.091	-3.76	24.00	23.05	1.245	1.358	18
			1	0	Back Side	2560	0.994	-1.88	24.00	22.73	1.340	1.332	/



			25	12	Back Side	2510	0.841	1.58	23.50	22.28	1.324	1.114	/
			25	12	Back Side	2535	0.845	-2.15	23.50	22.61	1.227	1.037	/
			25	12	Back Side	2560	0.958	-0.97	23.50	22.81	1.172	1.123	/
			1	0	Left Side	2535	0.556	0.86	24.00	23.05	1.245	0.692	/
			25	12	Left Side	2560	0.545	-2.15	23.50	22.81	1.172	0.639	/
			1	0	Right Side	2535	0.484	2.47	24.00	23.05	1.245	0.602	/
			25	12	Right Side	2560	0.460	3.67	23.50	22.81	1.172	0.539	/
			1	0	Bottom Side	2535	0.781	-0.69	24.00	23.05	1.245	0.972	/
			25	12	Bottom Side	2560	0.752	-1.98	23.50	22.81	1.172	0.881	/
LTE Band 19	10M	QPSK	1	0	Front side	822.5	0.147	2.01	24.50	24.45	1.012	0.149	/
			25	0	Front side	822.5	0.132	2.44	23.50	23.33	1.040	0.137	/
			1	0	Back Side	822.5	0.218	1.70	24.50	24.45	1.012	0.221	20
			25	0	Back Side	822.5	0.192	-0.94	23.50	23.33	1.040	0.200	/
			1	0	Left Side	822.5	0.085	3.21	24.50	24.45	1.012	0.086	/
			25	0	Left Side	822.5	0.080	1.54	23.50	23.33	1.040	0.083	/
			1	0	Right Side	822.5	0.078	-2.10	24.50	24.45	1.012	0.079	/
			25	0	Right Side	822.5	0.071	-2.41	23.50	23.33	1.040	0.074	/
			1	0	Bottom Side	822.5	0.161	-0.35	24.50	24.45	1.012	0.163	/
			25	0	Bottom Side	822.5	0.143	-3.82	23.50	23.33	1.040	0.149	/
LTE Band 25	20M	QPSK	1	49	Front side	1860	0.250	-2.71	25.00	24.36	1.159	0.290	/
			50	49	Front side	1905	0.223	-3.02	23.50	23.15	1.084	0.242	/
			1	49	Back Side	1860	0.421	3.87	25.00	24.36	1.159	0.488	22
			50	49	Back Side	1905	0.397	-1.89	23.50	23.15	1.084	0.430	/
			1	49	Left Side	1860	0.123	0.58	25.00	24.36	1.159	0.143	/
			50	49	Left Side	1905	0.114	-3.59	23.50	23.15	1.084	0.124	/
			1	49	Right Side	1860	0.120	3.14	25.00	24.36	1.159	0.139	/
			50	49	Right Side	1905	0.109	1.06	23.50	23.15	1.084	0.118	/
			1	49	Bottom Side	1860	0.250	-1.05	25.00	24.36	1.159	0.290	/
			50	49	Bottom Side	1905	0.238	-2.39	23.50	23.15	1.084	0.258	/
LTE Band 26	15M	QPSK	1	38	Front side	831.5	0.174	-0.61	24.00	23.69	1.074	0.187	/
			38	0	Front side	831.5	0.165	-1.11	22.00	21.89	1.026	0.169	/
			1	38	Back Side	831.5	0.214	-2.53	24.00	23.69	1.074	0.230	24
			38	0	Back Side	831.5	0.200	2.29	22.00	21.89	1.026	0.205	/
			1	38	Left Side	831.5	0.094	1.83	24.00	23.69	1.074	0.101	/
			38	0	Left Side	831.5	0.084	-3.11	22.00	21.89	1.026	0.086	/
			1	38	Right Side	831.5	0.109	1.60	24.00	23.69	1.074	0.117	/
			38	0	Right Side	831.5	0.098	2.45	22.00	21.89	1.026	0.101	/
			1	38	Bottom Side	831.5	0.132	-1.94	24.00	23.69	1.074	0.142	/
			38	0	Bottom Side	831.5	0.120	-0.22	22.00	21.89	1.026	0.123	/



LTE Band 38	20M	QPSK	1	49	Front side	2580	0.134	-0.71	24.50	23.47	1.268	0.170	/
			50	49	Front side	2610	0.126	-2.95	23.50	22.46	1.271	0.160	/
			1	49	Back Side	2580	0.538	2.76	24.50	23.47	1.268	0.682	26
			50	49	Back Side	2610	0.520	0.78	23.50	22.46	1.271	0.661	/
			1	49	Left Side	2580	0.095	-3.42	24.50	23.47	1.268	0.120	/
			50	49	Left Side	2610	0.090	0.02	23.50	22.46	1.271	0.114	/
			1	49	Right Side	2580	0.092	-2.27	24.50	23.47	1.268	0.117	/
			50	49	Right Side	2610	0.081	2.49	23.50	22.46	1.271	0.103	/
			1	49	Bottom Side	2580	0.223	3.73	24.50	23.47	1.268	0.283	/
			50	49	Bottom Side	2610	0.210	-0.24	23.50	22.46	1.271	0.267	/
LTE Band 41	20M	QPSK	1	0	Front side	2506	0.138	-2.80	21.65	23.81	0.608	0.084	/
			50	0	Front side	2506	0.129	2.26	21.65	23.81	0.608	0.078	/
			1	0	Back Side	2506	0.561	-3.04	21.65	23.81	0.608	0.341	28
			50	0	Back Side	2506	0.548	-2.91	21.65	23.81	0.608	0.333	/
			1	0	Left Side	2506	0.154	-0.36	21.65	23.81	0.608	0.094	/
			50	0	Left Side	2506	0.142	3.74	21.65	23.81	0.608	0.086	/
			1	0	Right Side	2506	0.136	-1.26	21.65	23.81	0.608	0.083	/
			50	0	Right Side	2506	0.130	0.40	21.65	23.81	0.608	0.079	/
			1	0	Bottom Side	2506	0.238	3.68	21.65	23.81	0.608	0.145	/
			50	0	Bottom Side	2506	0.214	-2.56	21.65	23.81	0.608	0.130	/
LTE Band 66	20M	QPSK	1	99	Front side	1720	0.238	0.88	24.50	23.97	1.130	0.269	/
			50	0	Front side	1777.5	0.220	3.61	23.00	22.87	1.030	0.227	/
			1	99	Back Side	1720	0.246	3.43	24.50	23.97	1.130	0.278	30
			50	0	Back Side	1777.5	0.235	0.37	23.00	22.87	1.030	0.242	/
			1	99	Left Side	1720	0.108	1.37	24.50	23.97	1.130	0.122	/
			50	0	Left Side	1777.5	0.101	-0.55	23.00	22.87	1.030	0.104	/
			1	99	Right Side	1720	0.114	-2.56	24.50	23.97	1.130	0.129	/
			50	0	Right Side	1777.5	0.107	-1.99	23.00	22.87	1.030	0.110	/
			1	99	Bottom Side	1720	0.241	0.20	24.50	23.97	1.130	0.272	/
			50	0	Bottom Side	1777.5	0.234	3.49	23.00	22.87	1.030	0.241	/

Note:

- The test separation of all above table is 10mm.
- Per KDB 447498 D04, the reported SAR is the measured SAR value adjusted for maximum tune-up tolerance.
 - 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.
 - Scaled SAR(W/kg)= Measured SAR(W/kg)*Tune-up Scaling Factor
- 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.



Repeated SAR

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.
LTE Band 7	10M	QPSK	1	0	Back Side	2510	0.961	2.15	24.00	22.96	1.221	-
			1	0	Back Side	2535	1.091	-3.96	24.00	23.05	1.358	-
			1	0	Back Side	2560	0.994	-3.55	24.00	22.73	1.332	-
			50	0	Back Side	2510	0.841	-2.28	23.50	22.28	1.114	-
			50	0	Back Side	2535	0.845	3.05	23.50	22.61	1.037	-
			50	0	Back Side	2560	0.958	-1.25	23.50	22.81	1.123	-

Repeated SAR measurement

Band	BW (MHz)	Mod.	RB Size	RB offset	Test Position	Freq.	Original Measured SAR 1g(W/kg) 1g (W/Kg)	1 st Repeated SAR 1g	Ratio	Original Measured	2nd Repeated SAR 1g	Ratio
LTE Band 7	10M	QPSK	1	0	Back Side	2510	0.961	0.941	1.021			
			1	0	Back Side	2535	1.091	1.060	1.029	-	-	-
			1	0	Back Side	2560	0.994	0.978	1.016	-	-	-
			50	0	Back Side	2510	0.841	0.800	1.051	-	-	-
			50	0	Back Side	2535	0.845	0.809	1.044	-	-	-
			50	0	Back Side	2560	0.958	0.931	1.029	-	-	-

Note:

1. Per KDB 865664 D01,for each frequency band ,repeated SAR measurement is required only when the measured SAR is $\geq 0.8\text{W/Kg}$.
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 $< 1.45\text{W/Kg}$, 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 $\geq 1.45\text{W/Kg}$.
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+5G WIFI
	2.GSM+Bluetooth
	3.WCDMA+ 5G WIFI
	4.WCDMA+Bluetooth
	5.LTE+5G WIFI
	6.LTE+Bluetooth
Body	1.GSM+5G WIFI
	2.GSM+Bluetooth
	3.WCDMA+ 5G WIFI
	4.WCDMA+Bluetooth
	5.LTE+5G WIFI
	6.LTE+Bluetooth

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.



Simultaneous Mode	Position	Mode	Max. 1-g SAR	1-g Sum SAR
			(W/kg)	(W/kg)
GSM + Bluetooth	Head	GSM	0.177	0.314
		Bluetooth	0.137	
	Body	GSM	0.298	0.412
		Bluetooth	0.114	
GSM + 5G WLAN	Head	GSM	0.177	0.661
		5G WLAN	0.484	
	Body	GSM	0.298	0.429
		5G WLAN	0.131	
WCDMA + Bluetooth	Head	WCDMA	0.279	0.416
		Bluetooth	0.137	
	Body	WCDMA	0.670	0.784
		Bluetooth	0.114	
WCDMA + 5G WLAN	Head	WCDMA	0.279	0.763
		5G WLAN	0.484	
	Body	WCDMA	0.670	0.801
		5G WLAN	0.131	
LTE + Bluetooth	Head	LTE	0.307	0.444
		Bluetooth	0.137	
	Body	LTE	1.358	1.471
		Bluetooth	0.114	
LTE + 5G WLAN	Head	LTE	0.307	0.791
		5G WLAN	0.484	
	Body	LTE	1.358	1.488
		5G WLAN	0.131	

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.