



LTE Band 26 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
5	1	0	QPSK	23.56	23.52	23.71
5	1	12		23.57	23.57	23.75
5	1	24		23.50	23.69	23.68
5	12	0		22.71	22.55	22.78
5	12	6		22.51	22.42	22.91
5	12	11		22.55	22.58	22.87
5	25	0		22.56	22.59	22.96
5	1	0	16-QAM	23.35	22.60	23.96
5	1	12		23.28	22.66	24.06
5	1	24		23.20	22.85	23.98
5	12	0		21.04	20.94	21.32
5	12	6		21.06	20.96	21.39
5	12	11		20.95	20.97	21.36
5	25	0		21.19	21.01	21.62
10	1	0	QPSK	23.60	23.42	23.63
10	1	24		23.44	23.51	23.76
10	1	49		23.45	23.66	23.98
10	25	0		23.19	22.93	23.30
10	25	12		22.93	23.06	23.23
10	25	24		23.04	23.20	23.40
10	50	0		22.98	22.96	23.25
10	1	0	16-QAM	24.16	23.71	23.40
10	1	24		24.11	23.68	23.60
10	1	49		24.06	23.87	23.77
10	25	0		21.65	21.55	21.77
10	25	12		21.54	21.54	21.88
10	25	24		21.64	21.69	22.03
10	50	0		21.61	21.65	21.72



LTE Band 26 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
15	1	0	QPSK	23.57	23.44	23.49
15	1	37		23.42	23.47	23.72
15	1	74		23.47	23.79	23.84
15	36	0		23.12	22.93	23.11
15	36	18		22.96	22.98	23.23
15	36	39		23.10	23.15	23.47
15	75	0		22.98	23.10	23.20
15	1	0	16-QAM	24.14	23.67	23.80
15	1	38		24.10	23.74	24.09
15	1	75		24.24	23.96	24.31
15	36	0		21.52	21.67	21.60
15	36	18		21.60	21.63	21.71
15	36	39		21.59	21.83	21.89
15	75	0		21.64	21.58	21.78



LTE Band 26 Part90

LTE Band 26 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
1.4	1	0	QPSK	24.24	23.98	23.76
1.4	1	2		24.16	23.92	23.82
1.4	1	5		24.07	23.93	23.67
1.4	3	0		23.63	23.41	23.22
1.4	3	1		23.55	23.35	23.17
1.4	3	2		23.54	23.40	23.25
1.4	6	0		23.03	22.90	22.81
1.4	1	0	16-QAM	24.65	23.37	23.21
1.4	1	2		24.67	23.34	23.19
1.4	1	5		24.66	23.31	23.22
1.4	3	0		22.82	22.39	22.16
1.4	3	1		22.78	22.39	22.19
1.4	3	2		22.75	22.33	22.14
1.4	6	0		21.65	21.59	21.26
3	1	0	QPSK	24.10	24.08	23.86
3	1	7		24.03	23.99	23.85
3	1	14		24.09	23.93	23.80
3	8	0		23.15	22.89	22.63
3	8	4		22.99	22.94	22.88
3	8	7		23.00	22.92	22.78
3	15	0		22.93	22.86	22.85
3	1	0	16-QAM	24.78	23.38	23.26
3	1	7		24.66	23.29	23.27
3	1	14		24.64	23.28	23.20
3	8	0		21.48	21.47	21.28
3	8	4		21.44	21.40	21.40
3	8	7		21.42	21.38	21.35
3	15	0		21.64	21.33	21.34



LTE Band 26 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
5	1	0	QPSK	24.06	24.05	23.63
5	1	12		24.03	23.92	23.51
5	1	24		23.84	23.84	23.47
5	12	0		23.05	22.94	22.81
5	12	6		23.00	22.86	22.66
5	12	11		22.92	22.80	22.71
5	25	0		23.08	22.81	22.78
5	1	0	16-QAM	23.71	23.52	23.89
5	1	12		23.63	23.51	23.79
5	1	24		23.47	23.45	23.76
5	12	0		21.44	21.25	21.34
5	12	6		21.40	21.33	21.24
5	12	11		21.33	21.22	21.24
5	25	0		21.75	21.52	21.36
10	1	0	QPSK	N/A	24.01	N/A
10	1	24		N/A	23.88	N/A
10	1	49		N/A	23.68	N/A
10	25	0		N/A	23.45	N/A
10	25	12		N/A	23.34	N/A
10	25	24		N/A	23.26	N/A
10	50	0		N/A	23.33	N/A
10	1	0	16-QAM	N/A	24.54	N/A
10	1	24		N/A	24.48	N/A
10	1	49		N/A	24.25	N/A
10	25	0		N/A	22.04	N/A
10	25	12		N/A	21.87	N/A
10	25	24		N/A	21.81	N/A
10	50	0		N/A	22.00	N/A



LTE Band 66

LTE Band 66 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
1.4	1	0	QPSK	23.24	22.82	22.44
1.4	1	2		23.19	22.85	22.54
1.4	1	5		23.19	22.90	22.56
1.4	3	0		23.06	22.78	22.50
1.4	3	1		23.14	22.83	22.43
1.4	3	2		23.13	22.86	22.44
1.4	6	0		22.60	22.37	22.00
1.4	1	0	16-QAM	23.25	22.00	21.47
1.4	1	2		23.29	21.97	21.52
1.4	1	5		23.28	21.98	21.54
1.4	3	0		22.37	21.65	21.48
1.4	3	1		22.41	21.71	21.45
1.4	3	2		22.40	21.63	21.54
1.4	6	0		21.27	21.13	20.57
3	1	0	QPSK	23.10	22.88	22.39
3	1	7		23.05	22.85	22.54
3	1	14		23.06	23.12	22.50
3	8	0		22.54	22.35	21.94
3	8	4		22.64	22.37	21.93
3	8	7		22.54	22.42	21.82
3	15	0		22.59	22.46	21.90
3	1	0	16-QAM	23.39	21.95	21.46
3	1	7		23.36	21.99	21.53
3	1	14		23.33	22.24	21.46
3	8	0		21.15	21.11	20.50
3	8	4		21.10	21.14	20.50
3	8	7		21.14	21.06	20.49
3	15	0		21.23	21.06	20.64



LTE Band 66 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
5	1	0	QPSK	23.12	22.99	22.16
5	1	12		23.02	23.02	22.22
5	1	24		23.03	23.34	22.28
5	12	0		22.74	22.49	21.86
5	12	6		22.58	22.46	21.88
5	12	11		22.57	22.71	21.85
5	25	0		22.54	22.46	21.91
5	1	0	16-QAM	22.14	22.03	22.16
5	1	12		22.18	22.10	22.12
5	1	24		22.11	22.36	22.13
5	12	0		21.14	20.75	20.42
5	12	6		21.14	20.84	20.47
5	12	11		21.09	21.10	20.43
5	25	0		21.39	21.04	20.66
10	1	0	QPSK	23.03	22.78	22.45
10	1	24		22.92	22.90	22.37
10	1	49		22.86	23.19	22.42
10	25	0		22.55	22.47	21.94
10	25	12		22.52	22.48	21.97
10	25	24		22.56	22.68	21.94
10	50	0		22.54	22.37	21.86
10	1	0	16-QAM	23.27	22.51	21.85
10	1	24		23.23	22.56	21.82
10	1	49		23.10	22.81	21.87
10	25	0		21.25	20.95	20.53
10	25	12		21.19	21.02	20.54
10	25	24		21.17	21.32	20.58
10	50	0		21.12	21.00	20.41

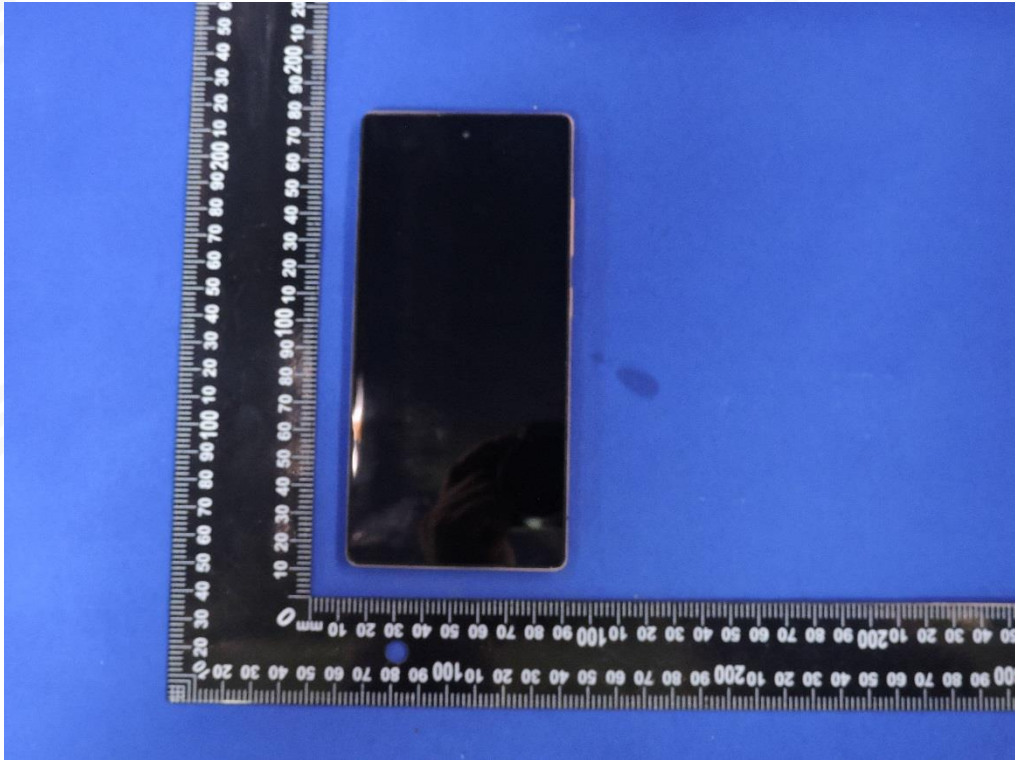


LTE Band 66 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
15	1	0	QPSK	23.05	22.71	22.37
15	1	37		22.91	22.93	22.30
15	1	74		22.72	23.08	22.30
15	36	0		22.64	22.31	21.99
15	36	18		22.48	22.37	21.89
15	36	39		22.46	22.55	21.92
15	75	0		22.49	22.29	21.85
15	1	0	16-QAM	23.30	22.41	22.49
15	1	38		23.19	22.60	22.37
15	1	75		22.96	22.79	22.40
15	36	0		21.14	21.04	20.49
15	36	18		21.12	21.08	20.42
15	36	39		20.99	21.41	20.42
15	75	0		21.10	20.96	20.55
20	1	0	QPSK	23.25	23.07	22.72
20	1	49		23.03	23.26	22.43
20	1	99		22.82	23.32	22.47
20	50	0		22.51	22.25	22.03
20	50	24		22.46	22.33	21.87
20	50	49		22.31	22.73	21.86
20	100	0		22.29	22.31	22.03
20	1	0	16-QAM	22.28	21.24	22.03
20	1	49		22.05	21.40	21.77
20	1	99		21.83	21.47	21.77
20	50	0		21.14	20.90	20.63
20	50	24		21.11	20.97	20.62
20	50	49		20.95	21.19	20.49
20	100	0		20.97	20.94	20.58

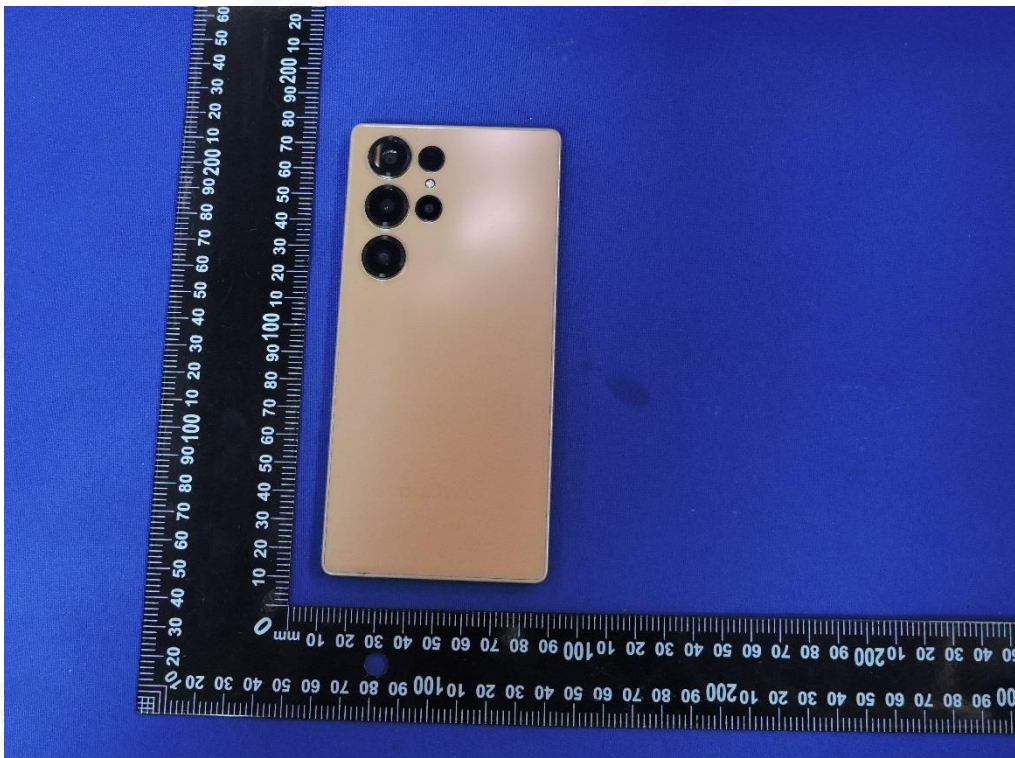
11. EUT and Test Setup Photo

11.1 EUT Photo

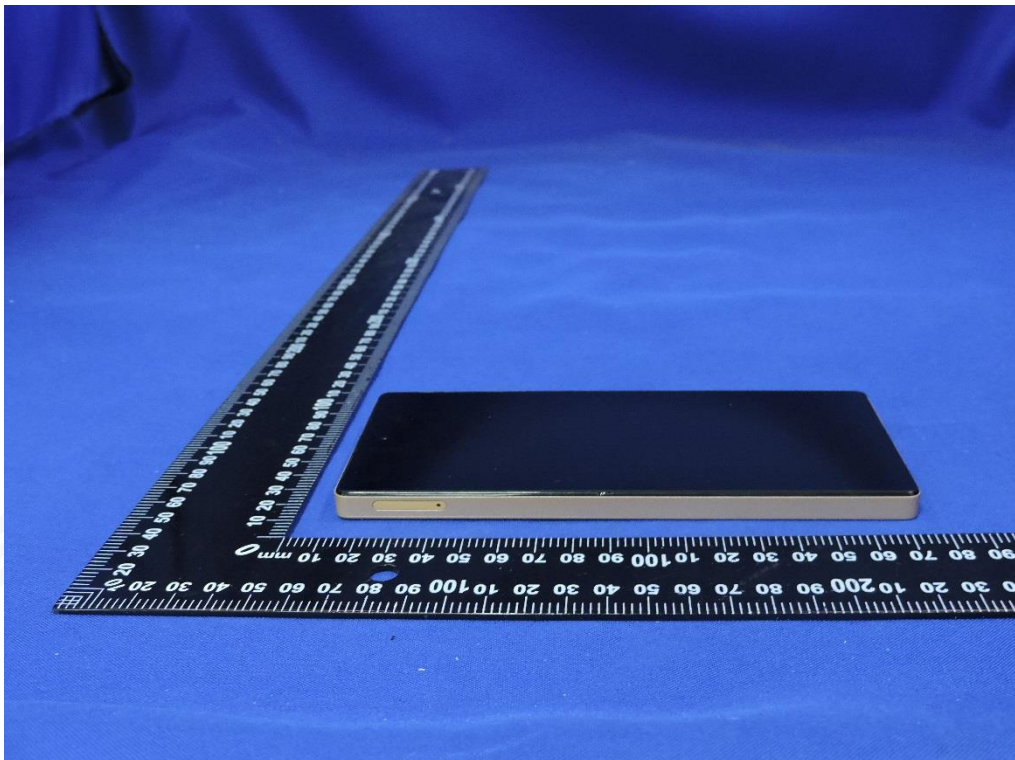
Front side



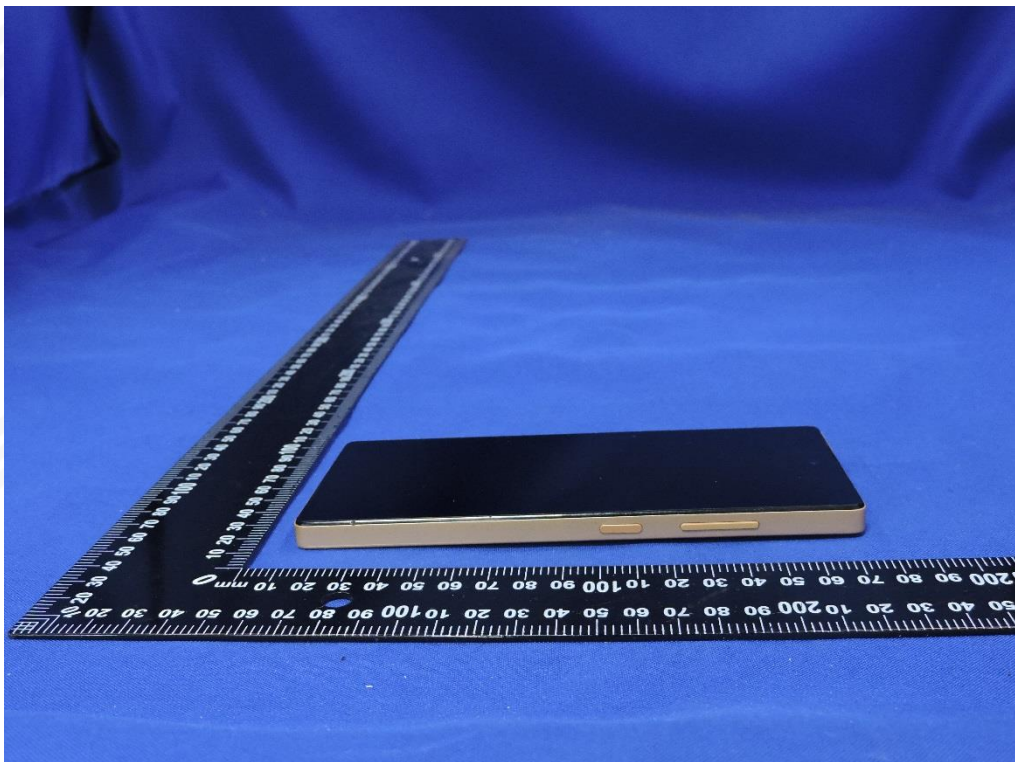
Back side



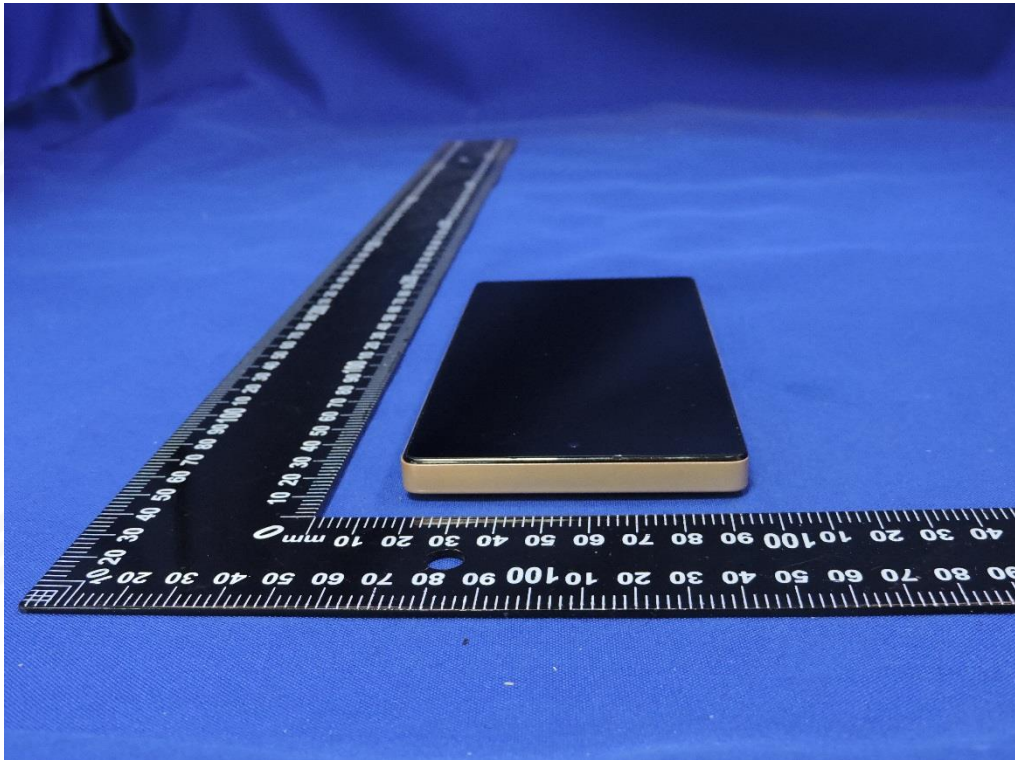
Left Edge



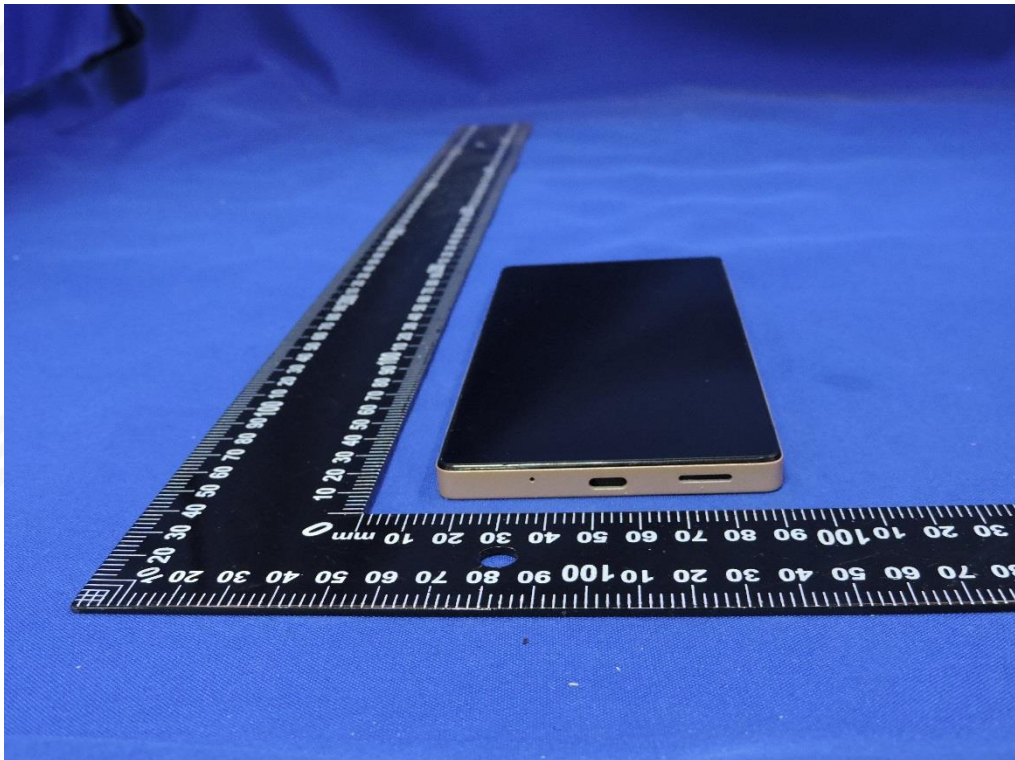
Right Edge



Top Edge

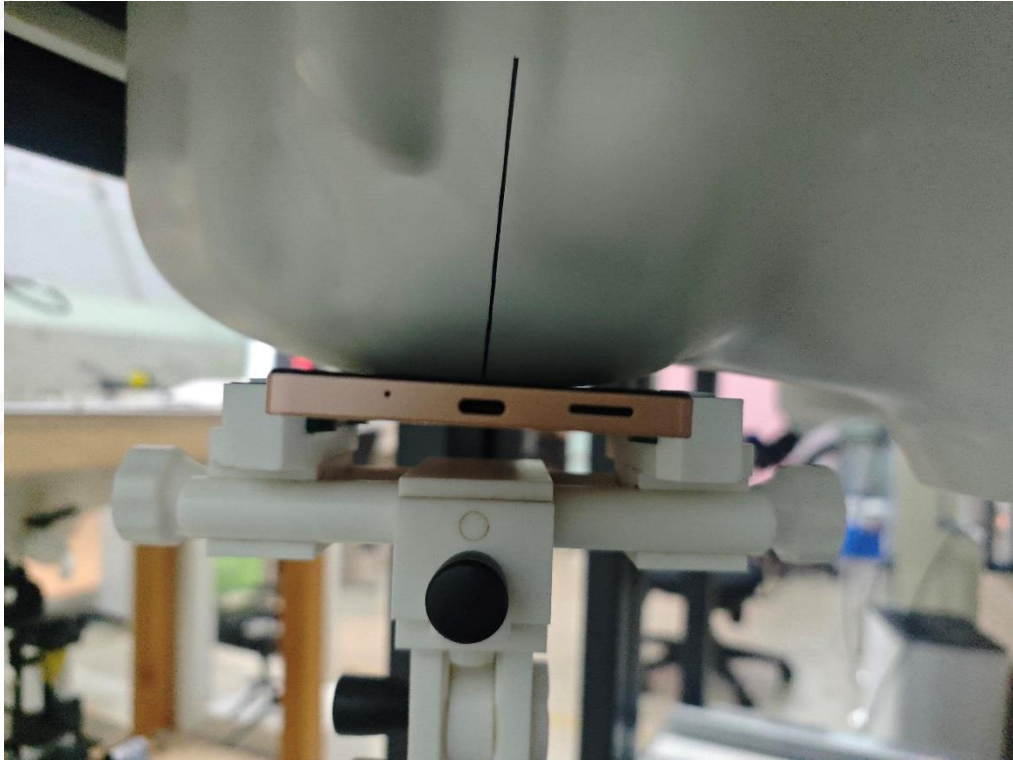


Bottom Edge

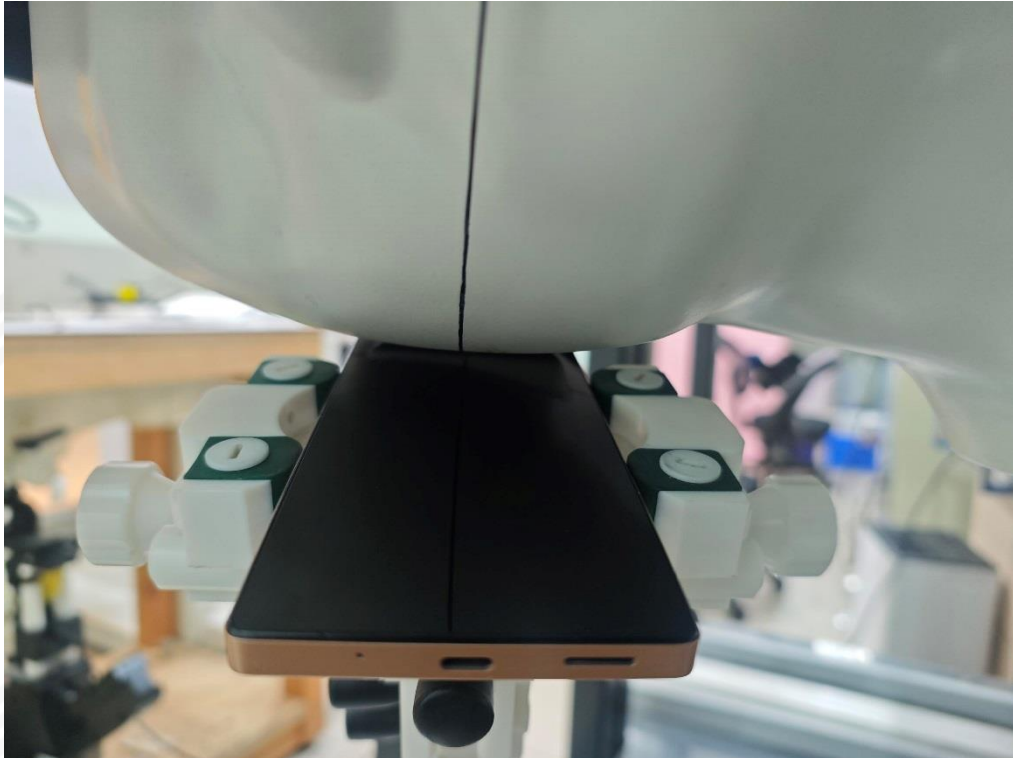


11.2 Setup Photo

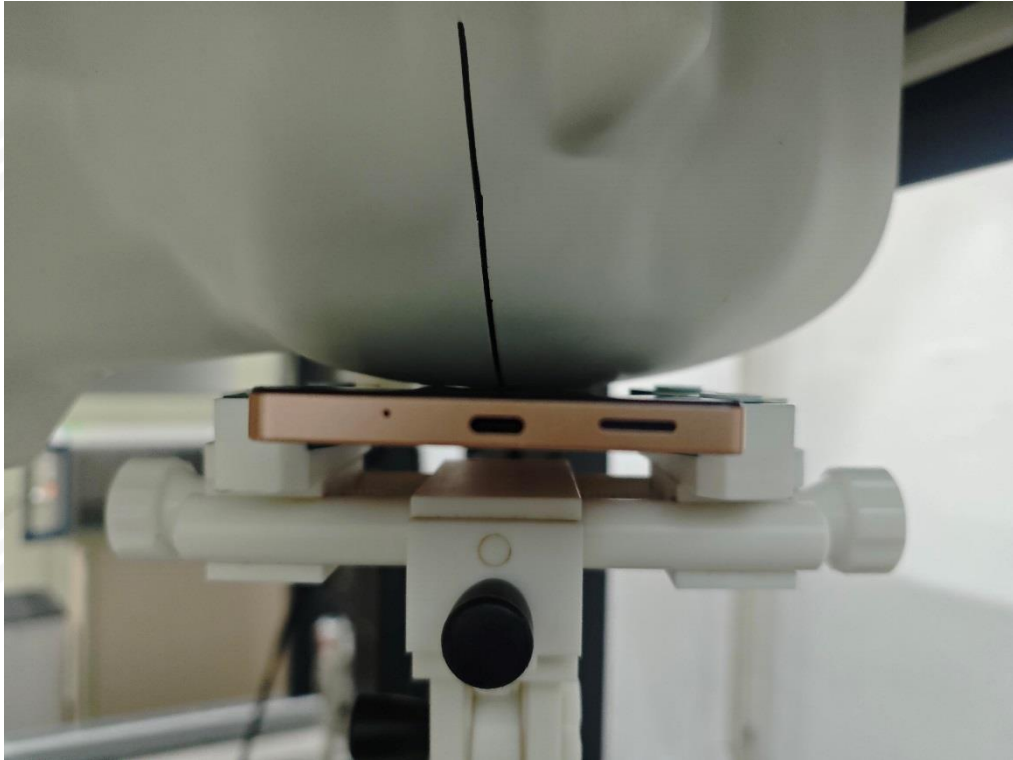
Right Cheek



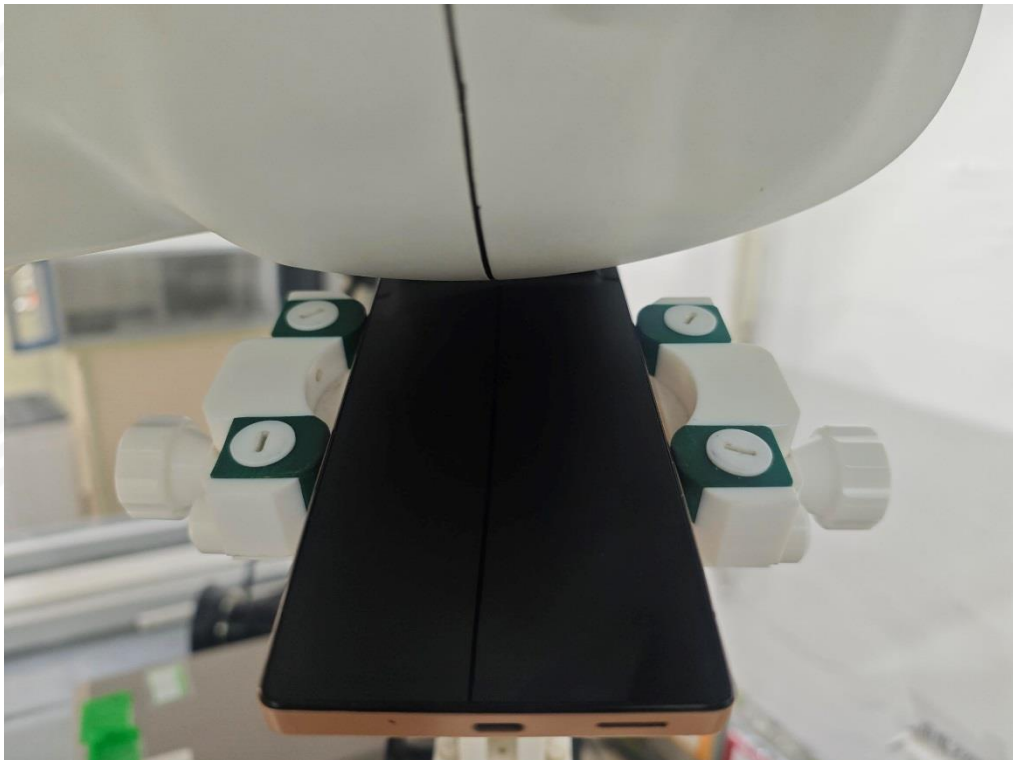
Right Tilt



Left Cheek



Left Tilt



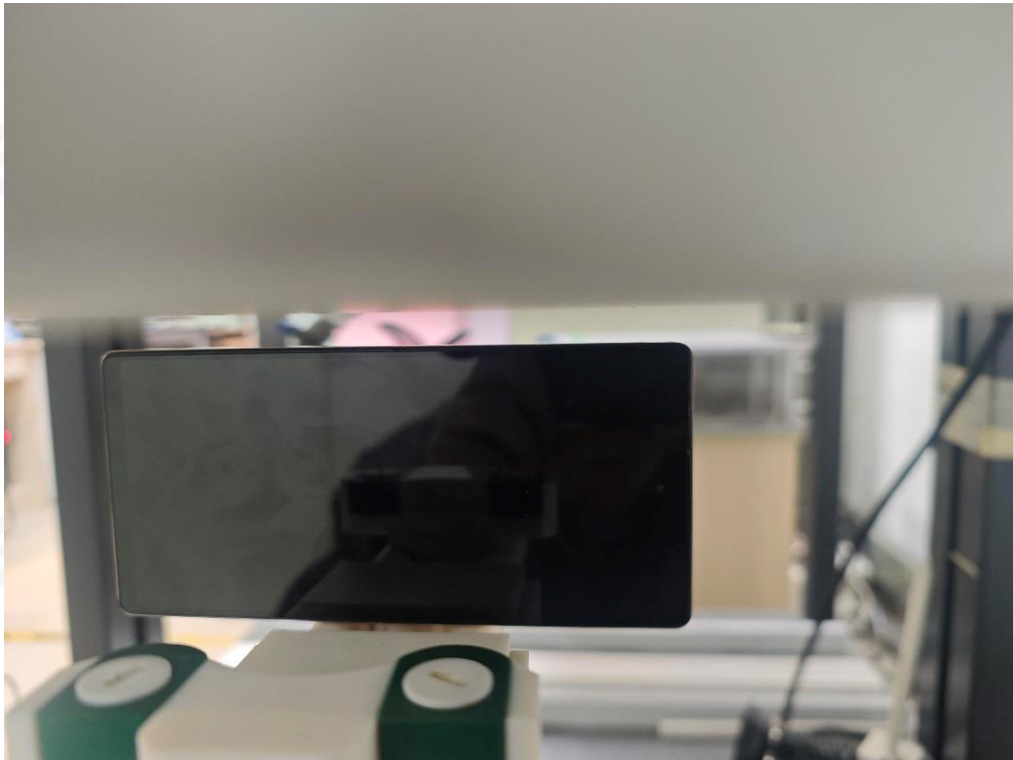
Body Front side(separation distance is 10mm)



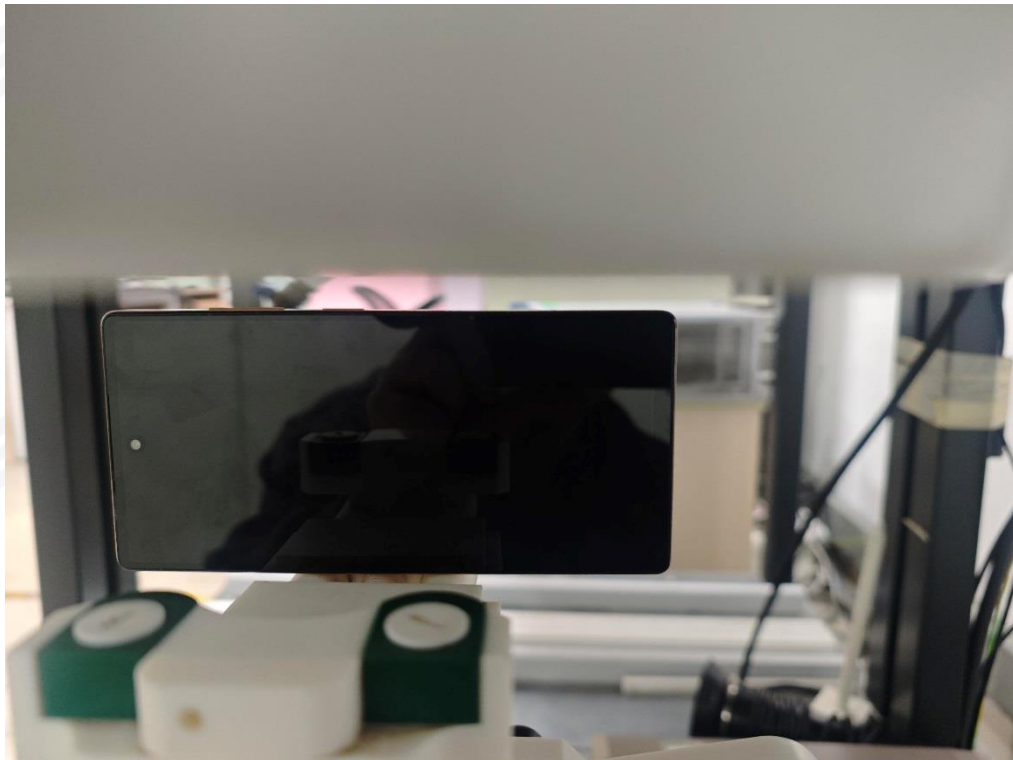
Body Back side(separation distance is 10mm)



Body Left side(separation distance is 10mm)



Body Right side(separation distance is 10mm)



Body Bottom side(separation distance is 10mm)

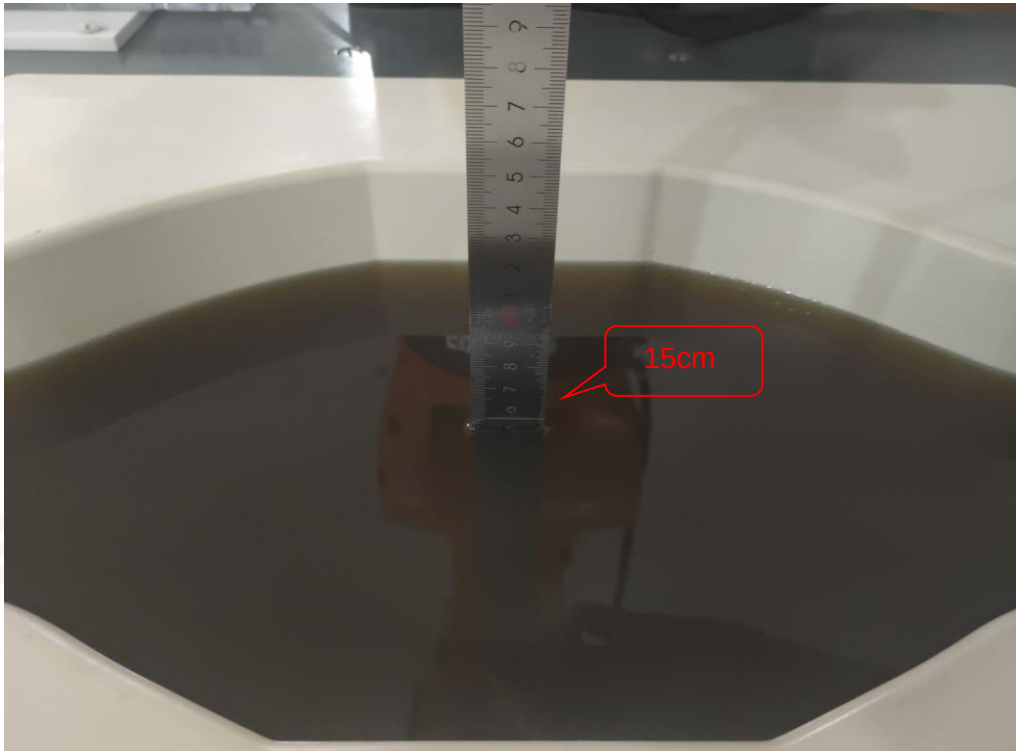


Body Top side(separation distance is 10mm)





Liquid depth (15 cm)





12. SAR Result Summary

12.1 Head SAR

Band	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.
GSM850	N/A	GPRS (GMSK, 2-Slot)	N/A	N/A	Right Cheek	836.6	0.342	3.64	32.00	31.79	1.050	0.359	1
					Right Tilt	836.6	0.162	-3.42	32.00	31.79	1.050	0.170	/
					Left Cheek	836.6	0.324	2.55	32.00	31.79	1.050	0.340	/
					Left Tilt	836.6	0.155	0.51	32.00	31.79	1.050	0.163	/
GSM1900	N/A	GPRS (GMSK, 3-Slot)	N/A	N/A	Right Cheek	1850.2	1.108	-1.20	28.00	27.76	1.057	1.171	3
					Right Cheek	1850.2	1.044	1.36	28.00	27.54	1.112	1.161	/
					Right Cheek	1850.2	1.023	-3.29	28.00	27.55	1.109	1.135	/
					Right Tilt	1850.2	0.626	-2.23	28.00	27.76	1.057	0.662	/
					Left Cheek	1850.2	1.077	1.48	28.00	27.76	1.057	1.138	/
					Left Tilt	1850.2	0.595	3.87	28.00	27.76	1.057	0.629	/
WCDMA Band 2	N/A	RMC	N/A	N/A	Right Cheek	1907.6	0.511	1.73	24.00	23.64	1.086	0.555	5
					Right Tilt	1907.6	0.218	-2.53	24.00	23.64	1.086	0.237	/
					Left Cheek	1907.6	0.455	2.46	24.00	23.64	1.086	0.494	/
					Left Tilt	1907.6	0.207	-0.77	24.00	23.64	1.086	0.225	/
WCDMA Band 4	N/A	RMC	N/A	N/A	Right Cheek	1712.6	0.130	-0.81	23.00	22.57	1.104	0.144	7
					Right Tilt	1712.6	0.074	-1.30	23.00	22.57	1.104	0.082	/
					Left Cheek	1712.6	0.125	-0.85	23.00	22.57	1.104	0.138	/
					Left Tilt	1712.6	0.062	0.42	23.00	22.57	1.104	0.068	/
WCDMA Band 5	N/A	RMC	N/A	N/A	Right Cheek	846.6	0.279	-2.85	23.50	23.30	1.047	0.292	9
					Right Tilt	846.6	0.144	0.14	23.50	23.30	1.047	0.151	/
					Left Cheek	846.6	0.266	-0.46	23.50	23.30	1.047	0.279	/
					Left Tilt	846.6	0.138	-2.04	23.50	23.30	1.047	0.145	/
2.4G WLAN	N/A	802.11b	N/A	N/A	Right Cheek	2412	0.139	-0.21	12.50	12.32	1.042	0.145	11
					Right Tilt	2412	0.065	-2.89	12.50	12.32	1.042	0.068	/
					Left Cheek	2412	0.124	-0.39	12.50	12.32	1.042	0.129	/
					Left Tilt	2412	0.058	2.46	12.50	12.32	1.042	0.060	/
5.2G WLAN	N/A	802.11a	N/A	N/A	Right Cheek	5180	0.159	-3.60	13.00	12.86	1.033	0.164	13
					Right Tilt	5180	0.118	1.67	13.00	12.86	1.033	0.122	/
					Left Cheek	5180	0.147	-1.38	13.00	12.86	1.033	0.152	/
					Left Tilt	5180	0.115	-0.06	13.00	12.86	1.033	0.119	/
5.8G WLAN	N/A	802.11a	N/A	N/A	Right Cheek	5745	0.185	0.20	10.00	9.86	1.033	0.191	15
					Right Tilt	5745	0.144	0.41	10.00	9.86	1.033	0.149	/
					Left Cheek	5745	0.172	-0.85	10.00	9.86	1.033	0.178	/
					Left Tilt	5745	0.133	3.67	10.00	9.86	1.033	0.137	/



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 5	10M	QPSK	1	49	Right Cheek	844	0.234	-3.94	24.00	23.95	1.012	0.237	17
			25	24	Right Cheek	844	0.218	1.08	23.50	23.40	1.023	0.223	/
			1	49	Right Tilt	844	0.126	3.25	24.00	23.95	1.012	0.127	/
			25	24	Right Tilt	844	0.115	2.24	23.50	23.40	1.023	0.118	/
			1	49	Left Cheek	844	0.225	0.64	24.00	23.95	1.012	0.228	/
			25	24	Left Cheek	844	0.212	1.97	23.50	23.40	1.023	0.217	/
			1	49	Left Tilt	844	0.118	0.98	24.00	23.95	1.012	0.119	/
			25	24	Left Tilt	844	0.107	-2.67	23.50	23.40	1.023	0.109	/
			1	0	Right Cheek	2510	0.696	-2.85	22.50	21.05	1.396	0.972	/
			1	0	Right Cheek	2535	0.721	2.31	22.50	21.51	1.256	0.906	/
LTE Band 7	20M	QPSK	1	0	Right Cheek	2560	0.973	-2.79	22.50	22.40	1.023	0.996	19
			50	0	Right Cheek	2510	0.682	2.03	22.00	20.80	1.318	0.899	/
			50	0	Right Cheek	2535	0.708	-3.89	22.00	21.12	1.225	0.867	/
			50	0	Right Cheek	2560	0.868	3.78	22.00	21.70	1.072	0.930	/
			100	0	Right Cheek	2510	0.712	0.73	22.00	20.88	1.294	0.921	/
			100	0	Right Cheek	2535	0.719	2.30	22.00	21.36	1.159	0.833	/
			100	0	Right Cheek	2560	0.841	-0.73	22.00	21.59	1.099	0.924	/
			1	0	Right Tilt	2560	0.452	1.50	22.50	22.40	1.023	0.463	/
			50	0	Right Tilt	2560	0.421	-3.02	22.00	21.70	1.072	0.451	/
			1	0	Left Cheek	2510	0.643	-2.49	22.50	21.05	1.396	0.898	/
			1	0	Left Cheek	2535	0.707	-0.68	22.50	21.51	1.256	0.888	/
			1	0	Left Cheek	2560	0.892	-3.02	22.50	22.40	1.023	0.913	/
			50	0	Left Cheek	2510	0.641	-1.65	22.00	20.80	1.318	0.845	/
			50	0	Left Cheek	2535	0.682	3.84	22.00	21.12	1.225	0.835	/
			50	0	Left Cheek	2560	0.855	2.32	22.00	21.70	1.072	0.916	/
			100	0	Left Cheek	2510	0.633	-2.85	22.00	20.88	1.294	0.819	/
			100	0	Left Cheek	2535	0.707	1.25	22.00	21.36	1.159	0.819	/
			100	0	Left Cheek	2560	0.825	1.60	22.00	21.59	1.099	0.907	/
			1	0	Left Tilt	2560	0.448	3.63	22.50	22.40	1.023	0.458	/
			50	0	Left Tilt	2560	0.420	3.39	22.00	21.70	1.072	0.450	/
LTE Band 12&17	10M	QPSK	1	49	Right Cheek	707.5	0.316	-2.21	25.00	24.79	1.050	0.332	21
			25	24	Right Cheek	704	0.277	-3.41	24.50	24.32	1.042	0.289	/
			1	49	Right Tilt	707.5	0.136	3.40	25.00	24.79	1.050	0.143	/
			25	24	Right Tilt	704	0.121	0.79	24.50	24.32	1.042	0.126	/
			1	49	Left Cheek	707.5	0.289	1.35	25.00	24.79	1.050	0.303	/
			25	24	Left Cheek	704	0.263	-2.68	24.50	24.32	1.042	0.274	/
			1	49	Left Tilt	707.5	0.125	3.20	25.00	24.79	1.050	0.131	/
			25	24	Left Tilt	704	0.118	-3.89	24.50	24.32	1.042	0.123	/
LTE Band 25&2	20M	QPSK	1	99	Right Cheek	1905	0.687	1.01	23.50	23.37	1.030	0.708	23
			50	49	Right Cheek	1905	0.626	3.56	23.00	22.63	1.089	0.682	/
			1	99	Right Tilt	1905	0.374	-0.50	23.50	23.37	1.030	0.385	/
			50	49	Right Tilt	1905	0.335	-3.25	23.00	22.63	1.089	0.365	/
			1	99	Left Cheek	1905	0.661	-3.64	23.50	23.37	1.030	0.681	/
			50	49	Left Cheek	1905	0.610	0.20	23.00	22.63	1.089	0.664	/
			1	99	Left Tilt	1905	0.358	2.49	23.50	23.37	1.030	0.369	/
LTE Band 26	15M	QPSK	50	49	Left Tilt	1905	0.332	2.93	23.00	22.63	1.089	0.362	/
			1	74	Right Cheek	841.5	0.279	-2.58	24.00	23.84	1.038	0.289	25
			36	39	Right Cheek	841.5	0.251	3.96	23.50	23.47	1.007	0.253	/
			1	74	Right Tilt	841.5	0.138	-3.08	24.00	23.84	1.038	0.143	/
			36	39	Right Tilt	841.5	0.124	3.49	23.50	23.47	1.007	0.125	/
			1	74	Left Cheek	841.5	0.265	-0.54	24.00	23.84	1.038	0.275	/
			36	39	Left Cheek	841.5	0.244	0.57	23.50	23.47	1.007	0.246	/
LTE Band 66&4	20M	QPSK	1	74	Left Tilt	841.5	0.122	3.58	24.00	23.84	1.038	0.127	/
			36	39	Left Tilt	841.5	0.116	3.34	23.50	23.47	1.007	0.117	/
			1	99	Right Cheek	1775	0.146	-1.10	23.50	23.32	1.042	0.152	27
			50	49	Right Cheek	1775	0.137	0.39	23.00	22.73	1.064	0.146	/
			1	99	Right Tilt	1775	0.061	-1.99	23.50	23.32	1.042	0.064	/
			50	49	Right Tilt	1775	0.057	-1.91	23.00	22.73	1.064	0.061	/
			1	99	Left Cheek	1775	0.138	2.79	23.50	23.32	1.042	0.144	/
			50	49	Left Cheek	1775	0.131	-2.01	23.00	22.73	1.064	0.139	/

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	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.
GSM850	N/A	GPRS (GMSK, 2-Slot)	N/A	N/A	Front Side	836.6	0.222	-0.13	32.00	31.79	1.050	0.233	/
					Back Side	836.6	0.358	1.71	32.00	31.79	1.050	0.376	2
					Left Side	836.6	0.145	2.19	32.00	31.79	1.050	0.152	/
					Right Side	836.6	0.121	1.90	32.00	31.79	1.050	0.127	/
					Top Side	836.6	0.028	-2.57	32.00	31.79	1.050	0.029	/
					Bottom Side	836.6	0.248	-0.02	32.00	31.79	1.050	0.260	/
GSM1900	N/A	GPRS (GMSK, 3-Slot)	N/A	N/A	Front Side	1850.2	0.472	2.12	28.00	27.76	1.057	0.499	/
					Back Side	1850.2	0.731	-3.33	28.00	27.76	1.057	0.773	4
					Left Side	1850.2	0.223	3.98	28.00	27.76	1.057	0.236	/
					Right Side	1850.2	0.215	0.12	28.00	27.76	1.057	0.227	/
					Bottom Side	1850.2	0.458	-1.02	28.00	27.76	1.057	0.484	/
WCDMA Band 2	N/A	RMC	N/A	N/A	Front Side	1907.6	0.325	3.31	24.00	23.64	1.086	0.353	/
					Back Side	1907.6	0.566	-3.17	24.00	23.64	1.086	0.615	6
					Left Side	1907.6	0.274	-3.28	24.00	23.64	1.086	0.298	/
					Right Side	1907.6	0.256	-2.55	24.00	23.64	1.086	0.278	/
					Bottom Side	1907.6	0.414	2.76	24.00	23.64	1.086	0.450	/
WCDMA Band 4	N/A	RMC	N/A	N/A	Front Side	1712.6	0.133	-3.43	23.00	22.57	1.104	0.147	/
					Back Side	1712.6	0.267	-0.23	23.00	22.57	1.104	0.295	8
					Left Side	1712.6	0.114	-0.90	23.00	22.57	1.104	0.126	/
					Right Side	1712.6	0.098	-3.14	23.00	22.57	1.104	0.108	/
					Bottom Side	1712.6	0.175	2.22	23.00	22.57	1.104	0.193	/
WCDMA Band 5	N/A	RMC	N/A	N/A	Front Side	846.6	0.347	3.47	23.50	23.30	1.047	0.363	/
					Back Side	846.6	0.634	-0.51	23.50	23.30	1.047	0.664	10
					Left Side	846.6	0.244	-3.95	23.50	23.30	1.047	0.255	/
					Right Side	846.6	0.230	-1.15	23.50	23.30	1.047	0.241	/
					Bottom Side	846.6	0.418	0.48	23.50	23.30	1.047	0.438	/
2.4GHz WLAN	N/A	802.11b	N/A	N/A	Front Side	2412	0.055	0.17	12.50	12.32	1.042	0.057	/
					Back Side	2412	0.113	1.98	12.50	12.32	1.042	0.118	12
					Left Side	2412	0.047	2.30	12.50	12.32	1.042	0.049	/
					Right Side	2412	0.050	-2.30	12.50	12.32	1.042	0.052	/
					Top Side	2412	0.061	-0.32	12.50	12.32	1.042	0.064	/
5.2G WLAN	N/A	802.11a	N/A	N/A	Front Side	5180	0.128	-3.47	13.00	12.86	1.033	0.132	/
					Back Side	5180	0.202	0.15	13.00	12.86	1.033	0.209	14
					Left Side	5180	0.078	-0.20	13.00	12.86	1.033	0.081	/
					Top Side	5180	0.144	-2.21	13.00	12.86	1.033	0.149	/
5.8G WLAN	N/A	802.11a	N/A	N/A	Front Side	5745	0.135	3.13	10.00	9.86	1.033	0.139	/
					Back Side	5745	0.250	-3.86	10.00	9.86	1.033	0.258	16
					Left Side	5745	0.089	-1.02	10.00	9.86	1.033	0.092	/
					Top Side	5745	0.171	2.18	10.00	9.86	1.033	0.177	/



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 5	10M	QPSK	1	49	Front side	844	0.233	-0.28	24.0	24.0	1.012	0.236	/
			25	24	Front side	844	0.218	3.23	23.5	23.4	1.023	0.223	/
			1	49	Back Side	844	0.371	0.28	24.0	24.0	1.012	0.375	18
			25	24	Back Side	844	0.347	2.18	23.5	23.4	1.023	0.355	/
			1	49	Left Side	844	0.156	-3.26	24.0	24.0	1.012	0.158	/
			25	24	Left Side	844	0.144	-0.77	23.5	23.4	1.023	0.147	/
			1	49	Right Side	844	0.163	0.88	24.0	24.0	1.012	0.165	/
			25	24	Right Side	844	0.152	-0.33	23.5	23.4	1.023	0.156	/
			1	49	Bottom Side	844	0.274	-0.28	24.0	24.0	1.012	0.277	/
			25	24	Bottom Side	844	0.261	-0.20	23.5	23.4	1.023	0.267	/
LTE Band 7	10M	QPSK	1	0	Front side	2560	0.345	-1.08	22.50	22.40	1.023	0.353	/
			50	0	Front side	2560	0.320	1.59	22.00	21.70	1.072	0.343	/
			1	0	Back Side	2560	0.772	-1.88	22.50	22.40	1.023	0.790	20
			50	0	Back Side	2560	0.724	1.14	22.00	21.70	1.072	0.776	/
			1	0	Left Side	2560	0.248	2.89	22.50	22.40	1.023	0.254	/
			50	0	Left Side	2560	0.215	-1.23	22.00	21.70	1.072	0.230	/
			1	0	Right Side	2560	0.252	3.07	22.50	22.40	1.023	0.258	/
			50	0	Right Side	2560	0.221	-0.69	22.00	21.70	1.072	0.237	/
			1	0	Bottom Side	2560	0.484	0.58	22.50	22.40	1.023	0.495	/
			50	0	Bottom Side	2560	0.455	2.43	22.00	21.70	1.072	0.488	/
LTE Band 12&17	10M	QPSK	1	49	Front side	707.5	0.145	-2.73	25.00	24.79	1.050	0.152	/
			25	24	Front side	704	0.122	1.69	24.50	24.32	1.042	0.127	/
			1	49	Back Side	707.5	0.358	-1.23	25.00	24.79	1.050	0.376	22
			25	24	Back Side	704	0.332	2.98	24.50	24.32	1.042	0.346	/
			1	49	Left Side	707.5	0.115	-3.26	25.00	24.79	1.050	0.121	/
			25	24	Left Side	704	0.106	1.36	24.50	24.32	1.042	0.110	/
			1	49	Right Side	707.5	0.099	-1.94	25.00	24.79	1.050	0.104	/
			25	24	Right Side	704	0.091	1.49	24.50	24.32	1.042	0.095	/
			1	49	Bottom Side	707.5	0.220	-3.65	25.00	24.79	1.050	0.231	/
			25	24	Bottom Side	704	0.208	3.74	24.50	24.32	1.042	0.217	/
LTE Band 25&2	20M	QPSK	1	99	Front side	1905	0.335	1.26	23.50	23.37	1.030	0.345	/
			50	49	Front side	1905	0.310	0.36	23.00	22.63	1.089	0.338	/
			1	99	Back Side	1905	0.701	2.48	23.50	23.37	1.030	0.722	24
			50	49	Back Side	1905	0.644	-1.58	23.00	22.63	1.089	0.701	/
			1	99	Left Side	1905	0.248	-3.99	23.50	23.37	1.030	0.256	/
			50	49	Left Side	1905	0.220	1.69	23.00	22.63	1.089	0.240	/
			1	99	Right Side	1905	0.254	0.52	23.50	23.37	1.030	0.262	/
			50	49	Right Side	1905	0.232	0.44	23.00	22.63	1.089	0.253	/
			1	99	Bottom Side	1905	0.378	0.09	23.50	23.37	1.030	0.389	/
			50	49	Bottom Side	1905	0.346	2.00	23.00	22.63	1.089	0.377	/
LTE Band 26	15M	QPSK	1	74	Front side	841.5	0.135	-0.36	24.00	23.84	1.038	0.140	/
			36	39	Front side	841.5	0.122	-1.68	23.50	23.47	1.007	0.123	/
			1	74	Back Side	841.5	0.217	-2.53	24.00	23.84	1.038	0.225	26
			36	39	Back Side	841.5	0.182	-3.02	23.50	23.47	1.007	0.183	/
			1	74	Left Side	841.5	0.095	3.98	24.00	23.84	1.038	0.099	/
			36	39	Left Side	841.5	0.082	2.73	23.50	23.47	1.007	0.083	/
			1	74	Right Side	841.5	0.101	0.28	24.00	23.84	1.038	0.105	/
			36	39	Right Side	841.5	0.087	-1.64	23.50	23.47	1.007	0.088	/
			1	74	Bottom Side	841.5	0.152	-0.50	24.00	23.84	1.038	0.158	/
			36	39	Bottom Side	841.5	0.144	-3.96	23.50	23.47	1.007	0.145	/
LTE Band 66&4	20M	QPSK	1	99	Front side	1775	0.241	-3.77	23.50	23.32	1.042	0.251	/
			50	49	Front side	1775	0.225	3.46	23.00	22.73	1.064	0.239	/
			1	99	Back Side	1775	0.559	-0.30	23.50	23.32	1.042	0.583	28
			50	49	Back Side	1775	0.515	3.82	23.00	22.73	1.064	0.548	/
			1	99	Left Side	1775	0.178	1.52	23.50	23.32	1.042	0.186	/
			50	49	Left Side	1775	0.162	-0.24	23.00	22.73	1.064	0.172	/
			1	99	Right Side	1775	0.182	-2.35	23.50	23.32	1.042	0.190	/
			50	49	Right Side	1775	0.170	3.56	23.00	22.73	1.064	0.181	/
			1	99	Bottom Side	1775	0.383	1.23	23.50	23.32	1.042	0.399	/
			50	49	Bottom Side	1775	0.362	-1.32	23.00	22.73	1.064	0.385	/

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.

**12.3 Repeated SAR**

Band	Mode	Test Position	Freq.	Result 1g (W/Kg)	Power Drift(%)	Max.Turn-up Power(dBm)	Meas.Output Power(dBm)	Scaled SAR(W/Kg)	Meas. No.
GSM1900	GPRS Data-3 Slot	Right Cheek	1850.2	1.088	3.47	28	27.76	1.150	-
		Right Cheek	1850.2	1.021	3.72	28	27.54	1.135	-
		Right Cheek	1850.2	0.979	-3.89	28	27.55	1.085	-

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	20M	QPSK	1	0	Right Cheek	2510	0.688	3.55	22.5	21.05	0.960	-
			1	0	Right Cheek	2535	0.714	0.89	22.5	21.51	0.897	-
			1	0	Right Cheek	2560	0.950	-1.91	22.5	22.4	0.972	-
			50	0	Right Cheek	2510	0.658	2.20	22	20.8	0.868	-
			50	0	Right Cheek	2535	0.694	-2.98	22	21.12	0.849	-
			50	0	Right Cheek	2560	0.839	2.20	22	21.7	0.899	-
			100	0	Right Cheek	2510	0.692	-2.22	22	20.88	0.896	-
			100	0	Right Cheek	2535	0.683	2.15	22	21.36	0.792	-
			100	0	Right Cheek	2560	0.813	2.59	22	21.59	0.893	-
			1	0	Left Cheek	2510	0.621	2.20	22.5	21.05	0.868	-
			1	0	Left Cheek	2535	0.675	-3.11	22.5	21.51	0.848	-
			1	0	Left Cheek	2560	0.848	-2.80	22.5	22.4	0.867	-
			50	0	Left Cheek	2510	0.610	-1.88	22	20.8	0.804	-
			50	0	Left Cheek	2535	0.662	-2.53	22	21.12	0.811	-
			50	0	Left Cheek	2560	0.855	2.99	22	21.7	0.916	-
			100	0	Left Cheek	2510	0.618	-1.23	22	20.88	0.799	-
			100	0	Left Cheek	2535	0.681	2.76	22	21.36	0.789	-
			100	0	Left Cheek	2560	0.797	-3.39	22	21.59	0.876	-

12.4 Repeated SAR measurement

Band	Mode	Test Position	Freq.	Original Measured SAR 1g(W/kg)	1 st Repeated SAR 1g	Ratio	Original Measured SAR 1g(W/kg)	2nd Repeated SAR 1g	Ratio
GSM1900	GPRS Data-3 Slot	Right Cheek	1850.2	1.108	1.088	1.018	-	-	-
		Right Cheek	1850.2	1.044	1.021	1.022	-	-	-
		Right Cheek	1850.2	1.023	0.979	1.045	-	-	-

Band	BW (MHz)	Mod.	RB Size	RB offset	Test Position	Freq.	Original Measured SAR 1g(W/kg)	1 st Repeated SAR 1g	Ratio	Original Measured	2nd Repeated SAR 1g	Ratio
LTE Band 7	20M	QPSK	1	0	Right Cheek	2510	0.696	0.688	1.012	-	-	-
			1	0	Right Cheek	2535	0.721	0.714	1.010	-	-	-
			1	0	Right Cheek	2560	0.973	0.950	1.024	-	-	-
			50	0	Right Cheek	2510	0.682	0.658	1.036	-	-	-
			50	0	Right Cheek	2535	0.708	0.694	1.021	-	-	-
			50	0	Right Cheek	2560	0.868	0.839	1.035	-	-	-
			100	0	Right Cheek	2510	0.712	0.692	1.028	-	-	-
			100	0	Right Cheek	2535	0.719	0.683	1.053	-	-	-
			100	0	Right Cheek	2560	0.841	0.813	1.034	-	-	-
			1	0	Left Cheek	2510	0.643	0.621	1.035	-	-	-
			1	0	Left Cheek	2535	0.707	0.675	1.047	-	-	-
			1	0	Left Cheek	2560	0.892	0.848	1.052	-	-	-
			50	0	Left Cheek	2510	0.641	0.610	1.051	-	-	-
			50	0	Left Cheek	2535	0.682	0.662	1.030	-	-	-
			50	0	Left Cheek	2560	0.855	0.855	1.001	-	-	-
			100	0	Left Cheek	2510	0.633	0.618	1.025	-	-	-
			100	0	Left Cheek	2535	0.707	0.681	1.038	-	-	-
			100	0	Left Cheek	2560	0.825	0.797	1.036	-	-	-



12.5 Simultaneous Multi-band Transmission Evaluation

Application Simultaneous Transmission information:

Position	Simultaneous State
Head	1. GSM + 2.4GHz WLAN/5G WLAN
	2. GSM + Bluetooth
	3. WCDMA + 2.4GHz WLAN/5G WLAN
	4. WCDMA + Bluetooth
	5. LTE + 2.4GHz WLAN/5G WLAN
	6. LTE + Bluetooth
Body	1. GSM + 2.4GHz WLAN/5G WLAN
	2. GSM + Bluetooth
	3. WCDMA + 2.4GHz WLAN/5G WLAN
	4. WCDMA + Bluetooth
	5. LTE + 2.4GHz WLAN/5G WLAN
	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.

Estimated SAR		Maximum Average Power		Dis.	Frequency(GHz)	Stand alone SAR(1&10g) [W/kg]
		dBm	mW			
BT	Head	2.11	1.535	5	2.402	0.063
	Body			10	2.402	0.013



Simultaneous Mode	Position	Mode	Max. 1-g SAR	1-g Sum SAR
			(W/kg)	(W/kg)
GSM + 2.4G WLAN	Head	GSM	1.171	1.316
		2.4G WLAN	0.145	
	Body	GSM	0.773	0.891
		2.4G WLAN	0.118	
GSM + Bluetooth	Head	GSM	1.171	1.238
		Bluetooth	0.067	
	Body	GSM	0.773	0.786
		Bluetooth	0.013	
GSM + 5G WLAN	Head	GSM	1.171	1.362
		5G WLAN	0.191	
	Body	GSM	0.773	1.031
		5G WLAN	0.258	
WCDMA + 2.4G WLAN	Head	WCDMA	0.555	0.700
		2.4G WLAN	0.145	
	Body	WCDMA	0.664	0.782
		2.4G WLAN	0.118	
WCDMA + Bluetooth	Head	WCDMA	0.555	0.622
		Bluetooth	0.067	
	Body	WCDMA	0.664	0.677
		Bluetooth	0.013	
WCDMA + 5G WLAN	Head	WCDMA	0.555	0.746
		5G WLAN	0.191	
	Body	WCDMA	0.664	0.922
		5G WLAN	0.258	
LTE + 2.4G WLAN	Head	LTE	0.996	1.141
		2.4G WLAN	0.145	
	Body	LTE	0.790	0.908
		2.4G WLAN	0.118	
LTE + Bluetooth	Head	LTE	0.996	1.063
		Bluetooth	0.067	
	Body	LTE	0.790	0.803
		Bluetooth	0.013	
LTE + 5G WLAN	Head	LTE	0.996	1.187
		5G WLAN	0.191	
	Body	LTE	0.790	1.048
		5G WLAN	0.258	

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.