

Band (GHz)	Mode	Antenna	Channel	Frequency (MHz)	Data Rate (Mbps)	Tune-up	Average Power (dBm)	SAR Test (Yes/No)	Power Setting Level
5.8	802.11a	2TX CDD	CH 149	5745	6M	17.50	Not Required	No	13
			CH 153	5765		17.50	Not Required	No	
			CH 157	5785		17.50	Not Required	No	
			CH 161	5805		17.50	Not Required	No	
			CH 165	5825		17.50	Not Required	No	
	802.11n 20M	2TX MIMO	CH 149	5745	6.5M	17.50	Not Required	No	
			CH 153	5765		17.50	Not Required	No	
			CH 157	5785		17.50	Not Required	No	
			CH 161	5805		17.50	Not Required	No	
			CH 165	5825		17.50	Not Required	No	
	802.11n 40M	2TX MIMO	CH 151	5755	13.5M	17.50	Not Required	No	
			CH 159	5795		17.50	Not Required	No	
	802.11ac 20M	2TX MIMO	CH 149	5745	6.5M	17.50	Not Required	No	
			CH 153	5765		17.50	Not Required	No	
			CH 157	5785		17.50	Not Required	No	
			CH 161	5805		17.50	Not Required	No	
			CH 165	5825		17.50	Not Required	No	
	802.11ac 40M	2TX MIMO	CH 151	5755	13.5M	17.50	Not Required	No	
			CH 159	5795		17.50	Not Required	No	
	802.11ac 80M	2TX MIMO	CH 155	5775	29.3M	17.50	16.15	Yes	

Table 113: Conducted power measurement results of WiFi 5G(Power Setting Level 13).

Note: 1) The Average conducted power of WiFi is measured with RMS detector.

Band (GHz)	Mode	Antenna	Channel	Frequency (MHz)	Data Rate (Mbps)	Tune-up	Average Power (dBm)	SAR Test (Yes/No)	Power Setting Level
5.2	802.11a	2TX CDD	CH 36	5180	6M	16.50	Not Required	No	12
			CH 40	5200		16.50	Not Required	No	
			CH 44	5220		16.50	Not Required	No	
			CH 48	5240		16.50	Not Required	No	
	802.11n 20M	2TX MIMO	CH 36	5180	6.5M	16.50	Not Required	No	
			CH 40	5200		16.50	Not Required	No	
			CH 44	5220		16.50	Not Required	No	
			CH 48	5240		16.50	Not Required	No	
	802.11n 40M	2TX MIMO	CH 38	5190	13.5M	16.50	Not Required	No	
			CH 46	5230		16.50	Not Required	No	
	802.11ac 20M	2TX MIMO	CH 36	5180	6.5M	16.50	Not Required	No	
			CH 40	5200		16.50	Not Required	No	
			CH 44	5220		16.50	Not Required	No	
			CH 48	5240		16.50	Not Required	No	
	802.11ac 40M	2TX MIMO	CH 38	5190	13.5M	16.50	Not Required	No	
			CH 46	5230		16.50	Not Required	No	
	802.11ac 80M	2TX MIMO	CH 42	5210	29.3M	16.50	15.05	No	
Band (GHz)	Mode	Antenna	Channel	Frequency (MHz)	Data Rate (Mbps)	Tune-up	Average Power (dBm)	SAR Test (Yes/No)	Power Setting Level
5.3	802.11a	2TX CDD	CH 52	5260	6M	16.50	Not Required	No	12
			CH 56	5280		16.50	Not Required	No	
			CH 60	5300		16.50	Not Required	No	
			CH 64	5320		16.50	Not Required	No	
	802.11n 20M	2TX MIMO	CH 52	5260	6.5M	16.50	Not Required	No	
			CH 56	5280		16.50	Not Required	No	
			CH 60	5300		16.50	Not Required	No	
			CH 64	5320		16.50	Not Required	No	
	802.11n 40M	2TX MIMO	CH 54	5270	13.5M	16.50	Not Required	No	
			CH 62	5310		16.50	Not Required	No	
	802.11ac 20M	2TX MIMO	CH 52	5260	6.5M	16.50	Not Required	No	
			CH 56	5280		16.50	Not Required	No	
			CH 60	5300		16.50	Not Required	No	
			CH 64	5320		16.50	Not Required	No	
	802.11ac 40M	2TX MIMO	CH 54	5270	13.5M	16.50	Not Required	No	
			CH 62	5310		16.50	Not Required	No	
	802.11ac 80M	2TX MIMO	CH 58	5290	29.3M	16.50	14.63	No	

Band (GHz)	Mode	Antenna	Channel	Frequency (MHz)	Data Rate (Mbps)	Tune-up	Average Power (dBm)	SAR Test (Yes/No)	Power Setting Level
5.5	802.11a	2TX CDD	CH 100	5500	6M	16.50	Not Required	No	12
			CH 104	5520		16.50	Not Required	No	
			CH 108	5540		16.50	Not Required	No	
			CH 112	5560		16.50	Not Required	No	
			CH 116	5580		16.50	Not Required	No	
			CH 120	5600		16.50	Not Required	No	
			CH 124	5620		16.50	Not Required	No	
			CH 128	5640		16.50	Not Required	No	
			CH 132	5660		16.50	Not Required	No	
			CH 136	5680		16.50	Not Required	No	
			CH 140	5700		16.50	Not Required	No	
			CH 144	5720		16.50	Not Required	No	
	8.2.11n 20M	2TX MIMO	CH 100	5500	6.5M	16.50	Not Required	No	
			CH 104	5520		16.50	Not Required	No	
			CH 108	5540		16.50	Not Required	No	
			CH 112	5560		16.50	Not Required	No	
			CH 116	5580		16.50	Not Required	No	
			CH 120	5600		16.50	Not Required	No	
			CH 124	5620		16.50	Not Required	No	
			CH 128	5640		16.50	Not Required	No	
			CH 132	5660		16.50	Not Required	No	
			CH 136	5680		16.50	Not Required	No	
			CH 140	5700		16.50	Not Required	No	
			CH 144	5720		16.50	Not Required	No	

Band (GHz)	Mode	Antenna	Channel	Frequency (MHz)	Data Rate (Mbps)	Tune-up	Average Power (dBm)	SAR Test (Yes/No)	Power Setting Level
5.5	8.2.11n 40M	2TX MIMO	CH 102	5510	13.5M	16.50	Not Required	No	12
			CH 110	5550		16.50	Not Required	No	
			CH 118	5590		16.50	Not Required	No	
			CH 126	5630		16.50	Not Required	No	
			CH 134	5670		16.50	Not Required	No	
			CH 142	5710		16.50	Not Required	No	
	8.2.11ac 20M	2TX MIMO	CH 100	5500	6.5M	16.50	Not Required	No	
			CH 104	5520		16.50	Not Required	No	
			CH 108	5540		16.50	Not Required	No	
			CH 112	5560		16.50	Not Required	No	
			CH 116	5580		16.50	Not Required	No	
			CH 120	5600		16.50	Not Required	No	
			CH 124	5620		16.50	Not Required	No	
			CH 128	5640		16.50	Not Required	No	
			CH 132	5660		16.50	Not Required	No	
			CH 136	5680		16.50	Not Required	No	
			CH 140	5700		16.50	Not Required	No	
			CH 144	5720		16.50	Not Required	No	
	8.2.11ac 40M	2TX MIMO	CH 102	5510	13.5M	16.50	Not Required	No	
			CH 110	5550		16.50	Not Required	No	
			CH 118	5590		16.50	Not Required	No	
			CH 126	5630		16.50	Not Required	No	
			CH 134	5670		16.50	Not Required	No	
			CH 142	5710		16.50	Not Required	No	
	8.2.11ac 80M	2TX MIMO	CH 106	5530	29.3M	16.50	14.36	No	
			CH 122	5610		16.50	14.55	No	
			CH 138	5690		16.50	14.52	No	

Table 114: Conducted power measurement results of WiFi 5G(Power Setting Level 12).

Note: 1) The Average conducted power of WiFi is measured with RMS detector.

2) SAR is not tested for this simultaneous transmission reduced power level as the more conservative SAR test results at the maximum output power level without any power reduction are used to satisfy the simultaneous transmission SAR test exclusion.(Refer to Section 7.3 for details)

Band (GHz)	Mode	Antenna	Channel	Frequency (MHz)	Data Rate (Mbps)	Tune-up	Average Power (dBm)	SAR Test (Yes/No)	Power Setting Level
5.2	802.11a	2TX CDD	CH 36	5180*	6M	15.50	Not Required	No	11
			CH 40	5200		15.50	Not Required	No	
			CH 44	5220		15.50	Not Required	No	
			CH 48	5240*		15.50	Not Required	No	
	802.11n 20M	2TX MIMO	CH 36	5180*	6.5M	15.50	Not Required	No	
			CH 40	5200		15.50	Not Required	No	
			CH 44	5220		15.50	Not Required	No	
			CH 48	5240*		15.50	Not Required	No	
	802.11n 40M	2TX MIMO	CH 38	5190	13.5M	15.50	Not Required	No	
			CH 46	5230		15.50	Not Required	No	
	802.11ac 20M	2TX MIMO	CH 36	5180*	6.5M	15.50	Not Required	No	
			CH 40	5200		15.50	Not Required	No	
			CH 44	5220		15.50	Not Required	No	
			CH 48	5240*		15.50	Not Required	No	
	802.11ac 40M	2TX MIMO	CH 38	5190	13.5M	15.50	Not Required	No	
			CH 46	5230		15.50	Not Required	No	
	802.11ac 80M	2TX MIMO	CH 42	5210	29.3M	15.50	14.19	Yes	
Band (GHz)	Mode	Antenna	Channel	Frequency (MHz)	Data Rate (Mbps)	Tune-up	Average Power (dBm)	SAR Test (Yes/No)	Power Setting Level
5.3	802.11a	2TX CDD	CH 52	5260	6M	15.50	Not Required	No	11
			CH 56	5280		15.50	Not Required	No	
			CH 60	5300		15.50	Not Required	No	
			CH 64	5320		15.50	Not Required	No	
	802.11n 20M	2TX MIMO	CH 52	5260	6.5M	15.50	Not Required	No	
			CH 56	5280		15.50	Not Required	No	
			CH 60	5300		15.50	Not Required	No	
			CH 64	5320		15.50	Not Required	No	
	802.11n 40M	2TX MIMO	CH 54	5270	13.5M	15.50	Not Required	No	
			CH 62	5310		15.50	Not Required	No	
	802.11ac 20M	2TX MIMO	CH 52	5260	6.5M	15.50	Not Required	No	
			CH 56	5280		15.50	Not Required	No	
			CH 60	5300		15.50	Not Required	No	
			CH 64	5320		15.50	Not Required	No	
	802.11ac 40M	2TX MIMO	CH 54	5270	13.5M	15.50	Not Required	No	
			CH 62	5310		15.50	Not Required	No	
	802.11ac 80M	2TX MIMO	CH 58	5290	29.3M	15.50	14.12	Yes	

Band (GHz)	Mode	Antenna	Channel	Frequency (MHz)	Data Rate (Mbps)	Tune-up	Average Power (dBm)	SAR Test (Yes/No)	Power Setting Level
5.5	802.11a	2TX CDD	CH 100	5500	6M	15.50	Not Required	No	11
			CH 104	5520*		15.50	Not Required	No	
			CH 108	5540		15.50	Not Required	No	
			CH 112	5560		15.50	Not Required	No	
			CH 116	5580*		15.50	Not Required	No	
			CH 120	5600		15.50	Not Required	No	
			CH 124	5620		15.50	Not Required	No	
			CH 128	5640		15.50	Not Required	No	
			CH 132	5660		15.50	Not Required	No	
			CH 136	5680*		15.50	Not Required	No	
			CH 140	5700		15.50	Not Required	No	
			CH 144	5720		15.50	Not Required	No	
	802.11n 20M	2TX MIMO	CH 100	5500	6.5M	15.50	Not Required	No	
			CH 104	5520*		15.50	Not Required	No	
			CH 108	5540		15.50	Not Required	No	
			CH 112	5560		15.50	Not Required	No	
			CH 116	5580*		15.50	Not Required	No	
			CH 120	5600		15.50	Not Required	No	
			CH 124	5620		15.50	Not Required	No	
			CH 128	5640		15.50	Not Required	No	
			CH 132	5660		15.50	Not Required	No	
			CH 136	5680*		15.50	Not Required	No	
			CH 140	5700		15.50	Not Required	No	
			CH 144	5720		15.50	Not Required	No	

Band (GHz)	Mode	Antenna	Channel	Frequency (MHz)	Data Rate (Mbps)	Tune-up	Average Power (dBm)	SAR Test (Yes/No)	Power Setting Level
5.5	802.11n 40M	2TX MIMO	CH 102	5510	13.5M	15.50	Not Required	No	11
			CH 110	5550		15.50	Not Required	No	
			CH 118	5590		15.50	Not Required	No	
			CH 126	5630		15.50	Not Required	No	
			CH 134	5670		15.50	Not Required	No	
			CH 142	5710		15.50	Not Required	No	
	802.11ac 20M	2TX MIMO	CH 100	5500	6.5M	15.50	Not Required	No	
			CH 104	5520*		15.50	Not Required	No	
			CH 108	5540		15.50	Not Required	No	
			CH 112	5560		15.50	Not Required	No	
			CH 116	5580*		15.50	Not Required	No	
			CH 120	5600		15.50	Not Required	No	
			CH 124	5620		15.50	Not Required	No	
			CH 128	5640		15.50	Not Required	No	
			CH 132	5660		15.50	Not Required	No	
			CH 136	5680*		15.50	Not Required	No	
			CH 140	5700		15.50	Not Required	No	
			CH 144	5720		15.50	Not Required	No	
	802.11ac 40M	2TX MIMO	CH 102	5510	13.5M	15.50	Not Required	No	
			CH 110	5550		15.50	Not Required	No	
			CH 118	5590		15.50	Not Required	No	
			CH 126	5630		15.50	Not Required	No	
			CH 134	5670		15.50	Not Required	No	
			CH 142	5710		15.50	Not Required	No	
	802.11ac 80M	2TX MIMO	CH 106	5530	29.3M	15.50	13.52	Yes	
			CH 122	5610		15.50	13.76	Yes	
			CH 138	5690		15.50	13.77	Yes	

Band (GHz)	Mode	Antenna	Channel	Frequency (MHz)	Data Rate (Mbps)	Tune-up	Average Power (dBm)	SAR Test (Yes/No)	Power Setting Level
5.8	802.11a	2TX CDD	CH 149	5745*	6M	15.50	Not Required	No	11
			CH 153	5765		15.50	Not Required	No	
			CH 157	5785		15.50	Not Required	No	
			CH 161	5805*		15.50	Not Required	No	
			CH 165	5825		15.50	Not Required	No	
	802.11n 20M	2TX MIMO	CH 149	5745*	6.5M	15.50	Not Required	No	
			CH 153	5765		15.50	Not Required	No	
			CH 157	5785		15.50	Not Required	No	
			CH 161	5805*		15.50	Not Required	No	
			CH 165	5825		15.50	Not Required	No	
	802.11n 40M	2TX MIMO	CH 151	5755	13.5M	15.50	Not Required	No	
			CH 159	5795		15.50	Not Required	No	
	802.11ac 20M	2TX MIMO	CH 149	5745*	6.5M	15.50	Not Required	No	
			CH 153	5765		15.50	Not Required	No	
			CH 157	5785		15.50	Not Required	No	
			CH 161	5805*		15.50	Not Required	No	
			CH 165	5825		15.50	Not Required	No	
	802.11ac 40M	2TX MIMO	CH 151	5755	13.5M	15.50	Not Required	No	
			CH 159	5795		15.50	Not Required	No	
	802.11ac 80M	2TX MIMO	CH 155	5775	29.3M	15.50	13.84	Yes	

Table 115: Conducted power measurement results of WiFi 5G(Power Setting Level 11).

Note: 1) The Average conducted power of WiFi is measured with RMS detector.

Band (GHz)	Mode	Antenna	Channel	Frequency (MHz)	Data Rate (Mbps)	Tune-up	Average Power (dBm)	SAR Test (Yes/No)	Power Setting Level
5.2	802.11a	2TX CDD	CH 36	5180	6M	14.50	Not Required	No	10
			CH 40	5200		14.50	Not Required	No	
			CH 44	5220		14.50	Not Required	No	
			CH 48	5240		14.50	Not Required	No	
	802.11n 20M	2TX MIMO	CH 36	5180	6.5M	14.50	Not Required	No	
			CH 40	5200		14.50	Not Required	No	
			CH 44	5220		14.50	Not Required	No	
			CH 48	5240		14.50	Not Required	No	
	802.11n 40M	2TX MIMO	CH 38	5190	13.5M	14.50	Not Required	No	
			CH 46	5230		14.50	Not Required	No	
	802.11ac 20M	2TX MIMO	CH 36	5180	6.5M	14.50	Not Required	No	
			CH 40	5200		14.50	Not Required	No	
			CH 44	5220		14.50	Not Required	No	
			CH 48	5240		14.50	Not Required	No	
	802.11ac 40M	2TX MIMO	CH 38	5190	13.5M	14.50	Not Required	No	
			CH 46	5230		14.50	Not Required	No	
	802.11ac 80M	2TX MIMO	CH 42	5210	29.3M	14.50	Not Required	No	
Band (GHz)	Mode	Antenna	Channel	Frequency (MHz)	Data Rate (Mbps)	Tune-up	Average Power (dBm)	SAR Test (Yes/No)	Power Setting Level
5.3	802.11a	2TX CDD	CH 52	5260	6M	14.50	Not Required	No	10
			CH 56	5280		14.50	Not Required	No	
			CH 60	5300		14.50	Not Required	No	
			CH 64	5320		14.50	Not Required	No	
	802.11n 20M	2TX MIMO	CH 52	5260	6.5M	14.50	Not Required	No	
			CH 56	5280		14.50	Not Required	No	
			CH 60	5300		14.50	Not Required	No	
			CH 64	5320		14.50	Not Required	No	
	802.11n 40M	2TX MIMO	CH 54	5270	13.5M	14.50	Not Required	No	
			CH 62	5310		14.50	Not Required	No	
	802.11ac 20M	2TX MIMO	CH 52	5260	6.5M	14.50	Not Required	No	
			CH 56	5280		14.50	Not Required	No	
			CH 60	5300		14.50	Not Required	No	
			CH 64	5320		14.50	Not Required	No	
	802.11ac 40M	2TX MIMO	CH 54	5270	13.5M	14.50	Not Required	No	
			CH 62	5310		14.50	Not Required	No	
	802.11ac 80M	2TX MIMO	CH 58	5290	29.3M	14.50	12.81	Yes	

Band (GHz)	Mode	Antenna	Channel	Frequency (MHz)	Data Rate (Mbps)	Tune-up	Average Power (dBm)	SAR Test (Yes/No)	Power Setting Level
5.5	802.11a	2TX CDD	CH 100	5500	6M	14.50	Not Required	No	10
			CH 104	5520		14.50	Not Required	No	
			CH 108	5540		14.50	Not Required	No	
			CH 112	5560		14.50	Not Required	No	
			CH 116	5580		14.50	Not Required	No	
			CH 120	5600		14.50	Not Required	No	
			CH 124	5620		14.50	Not Required	No	
			CH 128	5640		14.50	Not Required	No	
			CH 132	5660		14.50	Not Required	No	
			CH 136	5680		14.50	Not Required	No	
			CH 140	5700		14.50	Not Required	No	
			CH 144	5720		14.50	Not Required	No	
	802.11n 20M	2TX MIMO	CH 100	5500	6.5M	14.50	Not Required	No	
			CH 104	5520		14.50	Not Required	No	
			CH 108	5540		14.50	Not Required	No	
			CH 112	5560		14.50	Not Required	No	
			CH 116	5580		14.50	Not Required	No	
			CH 120	5600		14.50	Not Required	No	
			CH 124	5620		14.50	Not Required	No	
			CH 128	5640		14.50	Not Required	No	
			CH 132	5660		14.50	Not Required	No	
			CH 136	5680		14.50	Not Required	No	
			CH 140	5700		14.50	Not Required	No	
			CH 144	5720		14.50	Not Required	No	

Band (GHz)	Mode	Antenna	Channel	Frequency (MHz)	Data Rate (Mbps)	Tune-up	Average Power (dBm)	SAR Test (Yes/No)	Power Setting Level
5.5	802.11n 40M	2TX MIMO	CH 102	5510	13.5M	14.50	Not Required	No	10
			CH 110	5550		14.50	Not Required	No	
			CH 118	5590		14.50	Not Required	No	
			CH 126	5630		14.50	Not Required	No	
			CH 134	5670		14.50	Not Required	No	
			CH 142	5710		14.50	Not Required	No	
	802.11ac 20M	2TX MIMO	CH 100	5500	6.5M	14.50	Not Required	No	
			CH 104	5520		14.50	Not Required	No	
			CH 108	5540		14.50	Not Required	No	
			CH 112	5560		14.50	Not Required	No	
			CH 116	5580		14.50	Not Required	No	
			CH 120	5600		14.50	Not Required	No	
			CH 124	5620		14.50	Not Required	No	
			CH 128	5640		14.50	Not Required	No	
			CH 132	5660		14.50	Not Required	No	
			CH 136	5680		14.50	Not Required	No	
			CH 140	5700		14.50	Not Required	No	
			CH 144	5720		14.50	Not Required	No	
	802.11ac 40M	2TX MIMO	CH 102	5510	13.5M	14.50	Not Required	No	
			CH 110	5550		14.50	Not Required	No	
			CH 118	5590		14.50	Not Required	No	
			CH 126	5630		14.50	Not Required	No	
			CH 134	5670		14.50	Not Required	No	
			CH 142	5710		14.50	Not Required	No	
	802.11ac 80M	2TX MIMO	CH 106	5530	29.3M	14.50	12.41	Yes	
			CH 122	5610		14.50	12.74	Yes	
			CH 138	5690		14.50	12.59	Yes	

Band (GHz)	Mode	Antenna	Channel	Frequency (MHz)	Data Rate (Mbps)	Tune-up	Average Power (dBm)	SAR Test (Yes/No)	Power Setting Level
5.8	802.11a	2TX CDD	CH 149	5745	6M	14.50	Not Required	No	10
			CH 153	5765		14.50	Not Required	No	
			CH 157	5785		14.50	Not Required	No	
			CH 161	5805		14.50	Not Required	No	
			CH 165	5825		14.50	Not Required	No	
	802.11n 20M	2TX MIMO	CH 149	5745	6.5M	14.50	Not Required	No	
			CH 153	5765		14.50	Not Required	No	
			CH 157	5785		14.50	Not Required	No	
			CH 161	5805		14.50	Not Required	No	
			CH 165	5825		14.50	Not Required	No	
	802.11n 40M	2TX MIMO	CH 151	5755	13.5M	14.50	Not Required	No	
			CH 159	5795		14.50	Not Required	No	
	802.11ac 20M	2TX MIMO	CH 149	5745	6.5M	14.50	Not Required	No	
			CH 153	5765		14.50	Not Required	No	
			CH 157	5785		14.50	Not Required	No	
			CH 161	5805		14.50	Not Required	No	
			CH 165	5825		14.50	Not Required	No	
	802.11ac 40M	2TX MIMO	CH 151	5755	13.5M	14.50	Not Required	No	
			CH 159	5795		14.50	Not Required	No	
	802.11ac 80M	2TX MIMO	CH 155	5775	29.3M	14.50	12.79	Yes	

Table 116: Conducted power measurement results of WiFi 5G(Power Setting Level 10).

Note: 1) The Average conducted power of WiFi is measured with RMS detector.

7.1.33 Conducted power measurements of BT

The output power of BT antenna is as following:

BT 2450	Tune-up	Average Conducted Power (dBm)		
		0CH	39CH	78CH
DH5	11.00	8.39	9.73	8.83
2DH5	11.00	5.44	6.86	5.12
3DH5	11.00	5.29	6.75	4.96

BT 2450	Tune-up	Average Conducted Power (dBm)		
		0CH	19CH	39CH
BT 4.0	11.00	5.70	8.20	5.30

Table 117: Conducted power measurement results of BT.

Note: The conducted power of BT is measured with RMS detector.

7.2 SAR measurement Results

General Notes:

- 1) Per KDB447498 D01v05r02, all SAR measurement results are scaled to the maximum tune-up tolerance limit to demonstrate SAR compliance.
- 2) Per KDB447498 D01v05r02, testing of other required channels within the operating mode of a frequency band is not required when the reported 1-g or 10-g SAR for the mid-band or highest output power channel is:
 - $\leq 0.8\text{W/kg}$ for 1-g or 2.0W/kg for 10-g respectively, when the transmission band is $\leq 100\text{MHz}$.
 - $\leq 0.6\text{ W/kg}$ or 1.5 W/kg , for 1-g or 10-g respectively, when the transmission band is between 100 MHz and 200 MHz.
 - $\leq 0.4\text{ W/kg}$ or 1.0 W/kg , for 1-g or 10-g respectively, when the transmission band is $\geq 200\text{ MHz}$.When the maximum output power variation across the required test channels is $> \frac{1}{2}\text{ dB}$, instead of the middle channel, the highest output power channel must be used.
- 3) Per KDB865664 D01v01r04, for each frequency band, repeated SAR measurement is required only when the measured SAR is $\geq 0.8\text{W/Kg}$; if the deviation among the repeated measurement is $\leq 20\%$, and the measured SAR $< 1.45\text{W/Kg}$, only one repeated measurement is required.
- 4) Per KDB941225 D06v02, the DUT Dimension is bigger than $9\text{ cm} \times 5\text{ cm}$, so 10mm is chosen as the test separation distance for Hotspot mode. When the antenna-to-edge distance is greater than 2.5cm, such position does not need to be tested.
- 5) Per KDB648474 D04v01r02, SAR is evaluated without a headset connected to the device. When the standalone reported body-worn SAR is $\leq 1.2\text{ W/kg}$, no additional SAR evaluations using a headset are required.
- 6) Per KDB865664 D02v01r01, SAR plot is only required for the highest measured SAR in each exposure configuration, wireless mode and frequency band combination; Plots are also required when the measured SAR is $> 1.5\text{ W/kg}$, or $> 7.0\text{ W/kg}$ for occupational exposure. The published RF exposure KDB procedures may require additional plots; for example, to support SAR to peak location separation ratio test exclusion and/or volume scan post-processing(Refer to the blue SAR test results in the tables of Section 7.3 and appendix B for detailed SAR plots).
- 7) Additional SAR tests in simultaneous transmission fixed power reduction scenario are also tested in some frequency bands and test positions, which are only used to ensure simultaneous transmission SAR test exclusion. The standalone SAR compliance still uses the SAR results tested at the maximum output power level.

GSM Notes:

- 1) Per KDB941225 D01v03, SAR test reduction for GPRS and EDGE modes is determined by the source-based time-averaged output power specified for production units, including tune-up tolerance. The data mode with highest specified time-averaged output power should be tested for SAR compliance in the applicable exposure conditions. For modes with the same specified maximum output power and tolerance, the higher number time-slot configuration should be tested.
- 2) Per KDB648474 D04v01r02, the device does not support DTM function. Body-worn accessory testing is typically associated with voice operations. Therefore, GSM voice was evaluated for body-worn SAR.

UMTS Notes:

1) Per KDB941225 D01v03, When the maximum output power and tune-up tolerance specified for production units in a Second mode is $\leq \frac{1}{4}$ dB higher than the primary mode or when the highest reported SAR of the primary mode is scaled by the ratio of specified maximum output power and tune-up tolerance of Second to primary mode and the adjusted SAR is ≤ 1.2 W/kg, SAR measurement is not required for the Second mode.

CDMA Notes:

1) Per KDB941225 D01v03, When the maximum output power and tune-up tolerance specified for production units in a Second mode is $\leq \frac{1}{4}$ dB higher than the primary mode or when the highest reported SAR of the primary mode is scaled by the ratio of specified maximum output power and tune-up tolerance of Second to primary mode and the adjusted SAR is ≤ 1.2 W/kg, SAR measurement is not required for the Second mode.

LTE Notes:

- 1) The LTE test configurations are determined according to KDB941225 D05 SAR for LTE Devices v02r03. The general test procedures used for SAR testing can be found in Section 6.5.
- 2) A-MPR was disabled for all SAR test by setting NS_01 on the base station simulator. SAR tests were performed with the same number of RB and RB offsets transmitting on all TTI frames (maximum TTI)
- 3) According to KDB 941225 D05 SAR for LTE Devices v02r03, for Time-Division Duplex (TDD) systems, SAR is tested using a fixed periodic duty factor according to the highest transmission duty factor (63.33%) implemented for the device and supported by the defined 3GPP LTE TDD configurations.

WiFi Notes:

Per KDB248227D01v02r01:

- 1) When reported SAR for the initial test position is ≤ 0.4 W/kg, no additional testing for the remaining test position is required. Otherwise, SAR is evaluated at the subsequent highest peak SAR position until the reported SAR result is ≤ 0.8 W/kg or all test position are measured. For all positions/configurations tested using the initial test position and subsequent test positions, when the *reported* SAR is > 0.8 W/kg, SAR is measured for these test positions/configurations on the subsequent next highest measured output power channel(s) until the *reported* SAR is ≤ 1.2 W/kg or all required channels are tested.
- 2) For 802.11b Wi-Fi SAR test, the test lab will set the Main Wi-Fi Antenna / Sub Wi-Fi Antenna to the MAX transmit power level respectively and test the SAR respectively in all applicable RF exposure conditions per KDB248227D01v02r01. Only one Wi-Fi TX antenna is chosen at a time.
- 3) For 802.11 g/a WIFI CDD and 802.11n/ac Wi-Fi MIMO SAR test, only the scenario that two Wi-Fi antennas transmitting at the same time are supported and need to be considered. The common Initial Test Position and OFDM Initial Test Configuration Procedures per KDB 248227D01v02r01 are applied for 2.4G Wi-Fi 802.11g/n and 5G Wi-Fi 802.11 a/n/ac SAR test respectively in all applicable RF exposure conditions.
- 4) The highest SAR measured for the initial test position or initial test configuration should be used to determine SAR test exclusion according to the sum of 1-g SAR and SAR peak to location ratio provisions in KDB 447498. In addition, a test lab may also choose to perform standalone SAR measurements for test positions and 802.11 configurations that are not required by the initial test position or initial test configuration procedures and apply the results to determine simultaneous transmission SAR test exclusion, according to sum of 1-g and SAR peak to location ratio requirements to reduce the number of simultaneous transmission SAR measurements.

5) For Head SAR compliance, the device uses proximity sensor power reduction during Wi-Fi VOIP or when Wi-Fi antennas transmit simultaneously with the second antenna(Voice) in held-to-ear scenarios. Therefore:

- a) Standalone Head SAR for Wi-Fi antennas(WiFi VOIP)are evaluated at reduced power levels according to the real usage scenarios.
- b) Additional Head SAR tests at lower reduced power levels in WiFi and 2G&3G&4G Second antenna(Voice) simultaneous transmission scenarios are also tested for some frequency bands and test positions, which are only used to ensure simultaneous transmission SAR test exclusion.
- 6) WiFi 5G hotspot is only supported for U-NII-1 and U-NII-3, therefore U-NII-2A and U-NII-2C were not evaluated for hotspot condition.

7.2.1 SAR measurement Result of GSM850 (Second Antenna)

Test Position of Head	Test channel /Freq.(MHz)	Test Mode	SAR Value (W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Scaled SAR1-g (W/kg)	Liquid Temp.
			1-g	10-g					
Left Hand Touched	190/836.6	GSM	0.699	0.389	-0.110	30.63	31.50	0.854	21.4°C
Left Hand Touched	128/824.2	GSM	0.590	0.329	-0.190	30.69	31.50	0.711	21.4°C
Left Hand Touched	251/848.8	GSM	0.785	0.438	-0.150	30.60	31.50	0.966	21.4°C
Left Hand Tilted 15°	190/836.6	GSM	0.628	0.338	-0.130	30.63	31.50	0.767	21.4°C
Right Hand Touched	190/836.6	GSM	1.090	0.590	-0.060	30.63	31.50	1.332	21.4°C
Right Hand Touched	128/824.2	GSM	0.945	0.511	-0.110	30.69	31.50	1.139	21.4°C
Right Hand Touched	251/848.8	GSM	1.170	0.631	-0.140	30.60	31.50	1.439	21.4°C
Right Hand Touched-repeated	251/848.8	GSM	1.210	0.633	-0.030	30.60	31.50	1.489	21.4°C
Right Hand Tilted 15°	190/836.6	GSM	0.942	0.480	-0.100	30.63	31.50	1.151	21.4°C
Right Hand Tilted 15°	128/824.2	GSM	0.832	0.424	-0.110	30.69	31.50	1.003	21.4°C
Right Hand Tilted 15°	251/848.8	GSM	1.000	0.511	-0.150	30.60	31.50	1.230	21.4°C
Additional SAR test when simultaneous transmission with WiFi, sensor on									
Right Hand Touched	251/848.8	GSM	0.765	0.414	-0.050	29.23	29.50	0.814	21.4°C
Right Hand Tilted 15°	251/848.8	GSM	0.654	0.331	-0.060	29.23	29.50	0.696	21.4°C

Table 118: Head SAR test results of GSM850

Test Position of Body-Worn with 15mm	Test channel /Freq.(MHz)	Test Mode	SAR Value (W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Scaled SAR1-g (W/kg)	Liquid Temp.
			1-g	10-g					
Front Side	190/836.6	GSM	0.229	0.158	-0.030	30.63	31.50	0.280	21.5°C
Back Side	190/836.6	GSM	0.245	0.172	0.020	30.63	31.50	0.299	21.5°C

Table 119: Body-Worn SAR test results of GSM850

Test Position of Hotspot with 10mm	Test channel /Freq.(MHz)	Test Mode	SAR Value (W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Scaled SAR1-g (W/kg)	Liquid Temp.
			1-g	10-g					
Front Side	190/836.6	GPRS 2TS	0.313	0.182	0.040	27.25	27.50	0.332	21.5°C
Back Side	190/836.6	GPRS 2TS	0.342	0.196	-0.070	27.25	27.50	0.362	21.5°C
Left Side	190/836.6	GPRS 2TS	0.146	0.098	0.060	27.25	27.50	0.155	21.5°C
Right Side	190/836.6	GPRS 2TS	0.029	0.018	0.190	27.25	27.50	0.031	21.5°C
Top Side	190/836.6	GPRS 2TS	0.199	0.113	0.170	27.25	27.50	0.211	21.5°C

Table 120: Hotspot SAR test results of GSM850

Per KDB648474D04, when hotspot mode applies, 10-g extremity SAR is required only for the surfaces and edges with hotspot mode 1-g reported SAR > 1.2 W/kg; however, when power reduction applies to hotspot mode the measured SAR must be scaled to the maximum output power, including tolerance, allowed for phablet modes to compare with the 1.2 W/kg SAR test reduction threshold:

Test Position of Hotspot with 10mm	Test channel /Freq.	Test Mode	SAR Value (W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Scaled SAR1-g (W/kg)	10-g Extremity SAR Exclusion
			1-g	10-g					
Front Side	190/836.6	GPRS 2TS	0.313	0.182	0.040	27.25	31.00	0.742	Yes
Back Side	190/836.6	GPRS 2TS	0.342	0.196	-0.070	27.25	21.00	0.081	Yes
Left Side	190/836.6	GPRS 2TS	0.146	0.098	0.060	27.25	31.00	0.346	Yes
Right Side	190/836.6	GPRS 2TS	0.029	0.018	0.190	27.25	31.00	0.069	Yes
Top Side	190/836.6	GPRS 2TS	0.199	0.113	0.170	27.25	31.00	0.472	Yes

Table 121: 10-g Extremity SAR test reduction evaluation of GSM850

Note : According to the table above , 10-g Extremity SAR test is not required for this frequency band.

7.2.2 SAR measurement Result of UMTS Band V (Second Antenna)

Test Position of Head	Test channel / Freq.(MHz)	Test Mode	SAR Value (W/kg)		Power Drift (dB)	Conducte d Power (dBm)	Tune-up Power (dBm)	Scaled SAR1-g (W/kg)	Liquid Temp.
			1-g	10-g					
Left Hand Touched	4182/836.4	RMC	0.791	0.438	-0.090	22.91	23.80	0.971	21.4°C
Left Hand Touched	4132/826.4	RMC	0.713	0.394	-0.160	22.90	23.80	0.877	21.4°C
Left Hand Touched	4233/846.6	RMC	0.913	0.505	-0.120	23.06	23.80	1.083	21.4°C
Left Hand Tilted 15°	4182/836.4	RMC	0.758	0.407	-0.120	22.91	23.80	0.930	21.4°C
Left Hand Tilted 15°	4132/826.4	RMC	0.725	0.384	0.080	22.90	23.80	0.892	21.4°C
Left Hand Tilted 15°	4233/846.6	RMC	0.876	0.464	-0.050	23.06	23.80	1.039	21.4°C
Right Hand Touched	4182/836.4	RMC	1.200	0.643	-0.130	22.91	23.80	1.473	21.4°C
Right Hand Touched	4132/826.4	RMC	1.050	0.564	-0.020	22.90	23.80	1.292	21.4°C
Right Hand Touched	4233/846.6	RMC	1.230	0.661	-0.030	23.06	23.80	1.458	21.4°C
Right Hand Touched-repeated	4233/846.6	RMC	1.260	0.677	-0.010	23.06	23.80	1.494	21.4°C
Right Hand Tilted 15°	4182/836.4	RMC	1.060	0.531	-0.160	22.91	23.80	1.301	21.4°C
Right Hand Tilted 15°	4132/826.4	RMC	1.040	0.525	0.050	22.90	23.80	1.279	21.4°C
Right Hand Tilted 15°	4233/846.6	RMC	1.130	0.558	0.150	23.06	23.80	1.340	21.4°C
Additional SAR test when simultaneous transmission with WiFi, sensor on									
Right Hand Touched	4233/846.6	RMC	0.548	0.289	-0.080	19.71	21.00	0.738	21.4°C
Right Hand Tilted 15°	4233/846.6	RMC	0.529	0.256	-0.010	19.71	21.00	0.712	21.4°C

Table 122: Head SAR test results of UMTS Band V

Test Position of Body-Worn with 15mm	Test channel / Freq.(MHz)	Test Mode	SAR Value (W/kg)		Power Drift (dB)	Conducte d Power (dBm)	Tune-up Power (dBm)	Scaled SAR1-g (W/kg)	Liquid Temp.
			1-g	10-g					
Front Side	4182/836.4	RMC	0.068	0.048	0.060	22.91	23.80	0.083	21.5°C
Back Side	4182/836.4	RMC	0.143	0.100	-0.030	22.91	23.80	0.176	21.5°C

Table 123: Body-Worn SAR test results of UMTS Band V

Test Position of Hotspot with 10mm	Test channel / Freq.(MHz)	Test Mode	SAR Value (W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Scaled SAR1-g (W/kg)	Liquid Temp.
			1-g	10-g					
Front Side	4182/836.4	RMC	0.221	0.146	0.070	20.89	21.00	0.227	21.5°C
Back Side	4182/836.4	RMC	0.274	0.158	-0.100	20.89	21.00	0.281	21.5°C
Left Side	4182/836.4	RMC	0.115	0.078	0.070	20.89	21.00	0.118	21.5°C
Right Side	4182/836.4	RMC	0.027	0.016	-0.130	20.89	21.00	0.027	21.5°C
Top Side	4182/836.4	RMC	0.172	0.086	-0.080	20.89	21.00	0.176	21.5°C

Table 124: Hotspot SAR test results of UMTS Band V

Per KDB648474D04, when hotspot mode applies, 10-g extremity SAR is required only for the surfaces and edges with hotspot mode 1-g reported SAR > 1.2 W/kg; however, when power reduction applies to hotspot mode the measured SAR must be scaled to the maximum output power, including tolerance, allowed for phablet modes to compare with the 1.2 W/kg SAR test reduction threshold:

Test Position of Hotspot with 10mm	Test channel /Freq.	Test Mode	SAR Value (W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Scaled SAR1-g (W/kg)	10-g Extremity SAR Exclusion
			1-g	10-g					
Front Side	4182/836.4	RMC	0.221	0.146	0.070	21.13	23.80	0.409	Yes
Back Side	4182/836.4	RMC	0.274	0.158	-0.100	21.13	23.80	0.507	Yes
Left Side	4182/836.4	RMC	0.115	0.078	0.070	21.13	23.80	0.213	Yes
Right Side	4182/836.4	RMC	0.027	0.016	-0.130	21.13	23.80	0.049	Yes
Top Side	4182/836.4	RMC	0.172	0.086	-0.080	21.13	23.80	0.318	Yes

Table 125: 10-g Extremity SAR test reduction evaluation of UMTS Band V

Note : According to the table above , 10-g Extremity SAR test is not required for this frequency band.

7.2.3 SAR measurement Result of CDMA BC 0 (Second Antenna)

Test Position of Head	Test channel / Freq.(MHz)	Test Mode	SAR Value (W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Scaled SAR _{1-g} (W/kg)	Liquid Temp.
			1-g	10-g					
Left Hand Touched	384/836.52	RC3 SO55	0.707	0.319	-0.190	23.45	24.20	0.840	21.4°C
Left Hand Touched	1013/824.7	RC3 SO55	0.683	0.378	-0.140	23.42	24.20	0.817	21.4°C
Left Hand Touched	777/848.31	RC3 SO55	0.796	0.441	-0.130	23.65	24.20	0.903	21.4°C
Left Hand Tilted 15°	384/836.52	RC3 SO55	0.670	0.359	-0.130	23.45	24.20	0.796	21.4°C
Right Hand Touched	384/836.52	RC3 SO55	1.010	0.539	-0.070	23.45	24.20	1.200	21.4°C
Right Hand Touched	1013/824.7	RC3 SO55	1.100	0.591	-0.110	23.42	24.20	1.316	21.4°C
Right Hand Touched	777/848.31	RC3 SO55	1.200	0.643	-0.050	23.65	24.20	1.362	21.4°C
Right Hand Touched-repeated	777/848.31	RC3 SO55	1.220	0.649	-0.130	23.65	24.20	1.385	21.4°C
Right Hand Tilted 15°	384/836.52	RC3 SO55	0.797	0.413	-0.130	23.45	24.20	0.947	21.4°C
Right Hand Tilted 15°	1013/824.7	RC3 SO55	0.798	0.416	-0.070	23.42	24.20	0.955	21.4°C
Right Hand Tilted 15°	777/848.31	RC3 SO55	0.886	0.456	0.030	23.65	24.20	1.006	21.4°C
Additional SAR test when simultaneous transmission with WiFi, sensor on									
Right Hand Touched	777/848.31	RC3 SO55	0.570	0.308	-0.080	19.65	21.00	0.778	21.4°C
Right Hand Tilted 15°	777/848.31	RC3 SO55	0.507	0.255	-0.060	19.65	21.00	0.692	21.4°C

Table 126: Head SAR test results of CDMA BC0

Test Position of Body-Worn with 15mm	Test channel / Freq.(MHz)	Test Mode	SAR Value (W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Scaled SAR _{1-g} (W/kg)	Liquid Temp.
			1-g	10-g					
Front Side	384/836.52	RC3 S032	0.153	0.106	0.060	23.61	24.20	0.175	21.5°C
Back Side	384/836.52	RC3 S032	0.175	0.122	-0.020	23.61	24.20	0.200	21.5°C

Table 127: Body-Worn SAR test results of CDMA BC 0

Test Position of Hotspot with 10mm	Test channel / Freq.(MHz)	Test Mode	SAR Value (W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Scaled SAR _{1-g} (W/kg)	Liquid Temp.
			1-g	10-g					
Front Side	384/836.52	Rev.0	0.258	0.152	0.100	20.17	21.00	0.312	21.5°C
Back Side	384/836.52	Rev.0	0.296	0.165	-0.010	20.17	21.00	0.358	21.5°C
Left Side	384/836.52	Rev.0	0.121	0.076	0.120	20.17	21.00	0.146	21.5°C
Right Side	384/836.52	Rev.0	0.029	0.019	0.080	20.17	21.00	0.035	21.5°C
Top Side	384/836.52	Rev.0	0.242	0.122	0.130	20.17	21.00	0.293	21.5°C

Table 128: Hotspot SAR test results of CDMA BC 0

Per KDB648474D04, when hotspot mode applies, 10-g extremity SAR is required only for the surfaces and edges with hotspot mode 1-g reported SAR > 1.2 W/kg; however, when power reduction applies to hotspot mode the measured SAR must be scaled to the maximum output power, including tolerance, allowed for phablet modes to compare with the 1.2 W/kg SAR test reduction threshold:

Test Position of Hotspot with 10mm	Test channel /Freq.	Test Mode	SAR Value (W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Scaled SAR1-g (W/kg)	10-g Extremity SAR Exclusion
			1-g	10-g					
Front Side	384/836.52	Rev.0	0.258	0.152	0.100	20.17	24.20	0.653	Yes
Back Side	384/836.52	Rev.0	0.296	0.165	-0.010	20.17	24.20	0.749	Yes
Left Side	384/836.52	Rev.0	0.121	0.076	0.120	20.17	24.20	0.306	Yes
Right Side	384/836.52	Rev.0	0.029	0.019	0.080	20.17	24.20	0.074	Yes
Top Side	384/836.52	Rev.0	0.242	0.122	0.130	20.17	24.20	0.612	Yes

Table 129: 10-g Extremity SAR test reduction evaluation of CDMA BC0

Note : According to the table above , 10-g Extremity SAR test is not required for this frequency band.

7.2.4 SAR measurement Result of CDMA BC10 (Second Antenna)

Test Position of Head	Test channel / Freq.(MHz)	Test Mode	SAR Value (W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Scaled SAR _{1-g} (W/kg)	Liquid Temp.
			1-g	10-g					
Left Hand Touched	565/820.12 5	RC3 SO55	0.393	0.259	-0.120	23.49	24.20	0.463	21.4°C
Left Hand Tilted 15°	565/820.12 5	RC3 SO55	0.355	0.237	-0.120	23.49	24.20	0.418	21.4°C
Right Hand Touched	565/820.12 5	RC3 SO55	0.798	0.428	-0.130	23.49	24.20	0.940	21.4°C
Right Hand Touched	450/817.25	RC3 SO55	0.737	0.395	-0.010	23.45	24.20	0.876	21.4°C
Right Hand Touched	670/822.75	RC3 SO55	0.847	0.454	0.010	23.49	24.20	0.997	21.4°C
Right Hand Touched-repeated	670/822.75	RC3 SO55	0.833	0.451	-0.110	23.49	24.20	0.981	21.4°C
Right Hand Tilted 15°	565/820.12 5	RC3 SO55	0.572	0.299	-0.070	23.49	24.20	0.674	21.4°C

Table 130: Head SAR test results of CDMA BC 10

Test Position of Body-Worn with 15mm	Test channel / Freq.(MHz)	Test Mode	SAR Value (W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Scaled SAR _{1-g} (W/kg)	Liquid Temp.
			1-g	10-g					
Front Side	565/820.12 5	RC3 SO32	0.127	0.088	0.100	23.51	24.20	0.149	21.5°C
Back Side	565/820.12 5	RC3 SO32	0.146	0.102	-0.080	23.51	24.20	0.171	21.5°C

Table 131: Body-Worn SAR test results of CDMA BC 10

Test Position of Hotspot with 10mm	Test channel / Freq.(MHz)	Test Mode	SAR Value (W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Scaled SAR _{1-g} (W/kg)	Liquid Temp.
			1-g	10-g					
Front Side	565/820.12 5	Rev.0	0.098	0.064	0.160	20.25	21.00	0.116	21.5°C
Back Side	565/820.12 5	Rev.0	0.132	0.074	0.000	20.25	21.00	0.157	21.5°C
Left Side	565/820.12 5	Rev.0	0.054	0.036	0.180	20.25	21.00	0.064	21.5°C
Right Side	565/820.12 5	Rev.0	0.007	0.005	0.110	20.25	21.00	0.009	21.5°C
Top Side	565/820.12 5	Rev.0	0.064	0.035	0.160	20.25	21.00	0.076	21.5°C

Table 132: Hotspot SAR test results of CDMA BC 10

Per KDB648474D04, when hotspot mode applies, 10-g extremity SAR is required only for the surfaces and edges with hotspot mode 1-g reported SAR > 1.2 W/kg; however, when power reduction applies to hotspot mode the measured SAR must be scaled to the maximum output power, including tolerance, allowed for phablet modes to compare with the 1.2 W/kg SAR test reduction threshold:

Test Position of Hotspot with 10mm	Test channel /Freq.	Test Mode	SAR Value (W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Scaled SAR1-g (W/kg)	10-g Extremity SAR Exclusion
			1-g	10-g					
Front Side	565/820.125	Rev.0	0.098	0.064	0.160	20.25	24.20	0.242	Yes
Back Side	565/820.125	Rev.0	0.132	0.074	0.000	20.25	24.20	0.328	Yes
Left Side	565/820.125	Rev.0	0.054	0.036	0.180	20.25	24.20	0.134	Yes
Right Side	565/820.125	Rev.0	0.007	0.005	0.110	20.25	24.20	0.018	Yes
Top Side	565/820.125	Rev.0	0.064	0.035	0.160	20.25	24.20	0.159	Yes

Table 133: 10-g Extremity SAR test reduction evaluation of CDMA BC10

Note : According to the table above , 10-g Extremity SAR test is not required for this frequency band.

7.2.5 SAR measurement Result of LTE Band V (Second Antenna)

Test Position of Head	Test channel / Freq.(MHz)	Test Mode	SAR Value (W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Scaled SAR _{1-g} (W/kg)	Liquid Temp.
			1-g	10-g					
1RB									
Left Hand Touched	20525/836.5	10M QPSK 1RB#49	0.671	0.371	0.000	21.76	22.70	0.833	21.4°C
Left Hand Touched	20450/829	10M QPSK 1RB#0	0.581	0.348	0.050	21.76	22.70	0.721	21.4°C
Left Hand Touched	20600/844	10M QPSK 1RB#49	0.727	0.402	-0.040	21.66	22.70	0.924	21.4°C
Left Hand Tilted 15°	20525/836.5	10M QPSK 1RB#49	0.676	0.361	-0.060	21.76	22.70	0.839	21.4°C
Left Hand Tilted 15°	20450/829	10M QPSK 1RB#0	0.567	0.329	-0.060	21.76	22.70	0.704	21.4°C
Left Hand Tilted 15°	20600/844	10M QPSK 1RB#49	0.684	0.366	-0.050	21.66	22.70	0.869	21.4°C
Right Hand Touched	20525/836.5	10M QPSK 1RB#49	0.912	0.490	-0.080	21.76	22.70	1.132	21.4°C
Right Hand Touched	20450/829	10M QPSK 1RB#0	0.835	0.448	-0.060	21.76	22.70	1.037	21.4°C
Right Hand Touched	20600/844	10M QPSK 1RB#49	0.963	0.520	0.090	21.66	22.70	1.224	21.4°C
Right Hand Touched	20600/844	10M QPSK 1RB#49	1.030	0.553	-0.120	21.66	22.70	1.309	21.4°C
Right Hand Tilted 15°	20525/836.5	10M QPSK 1RB#49	0.828	0.427	-0.070	21.76	22.70	1.028	21.4°C
Right Hand Tilted 15°	20450/829	10M QPSK 1RB#0	0.772	0.390	-0.080	21.76	22.70	0.959	21.4°C
Right Hand Tilted 15°	20600/844	10M QPSK 1RB#49	0.878	0.448	0.000	21.66	22.70	1.116	21.4°C
50%RB									
Left Hand Touched	20450/829	10M QPSK 50%RB#0	0.421	0.230	0.010	20.58	21.70	0.545	21.4°C
Left Hand Tilted 15°	20450/829	10M QPSK 50%RB#0	0.430	0.250	-0.010	20.58	21.70	0.557	21.4°C
Right Hand Touched	20450/829	10M QPSK 50%RB#0	0.652	0.351	-0.050	20.58	21.70	0.844	21.4°C
Right Hand Touched	20525/836.5	10M QPSK 50%RB#0	0.696	0.375	0.000	20.55	21.70	0.907	21.4°C
Right Hand Touched	20600/844	10M QPSK 50%RB#13	0.744	0.400	-0.030	20.55	21.70	0.970	21.4°C
Right Hand Tilted 15°	20450/829	10M QPSK 50%RB#0	0.607	0.312	-0.030	20.58	21.70	0.786	21.4°C
100%RB									
Left Hand Touched	20525/836.5	10M QPSK 100%RB#0	0.469	0.281	-0.070	20.58	21.70	0.607	21.4°C
Left Hand Tilted 15°	20525/836.5	10M QPSK 100%RB#0	0.473	0.274	-0.030	20.58	21.70	0.612	21.4°C
Right Hand Touched	20525/836.5	10M QPSK 100%RB#0	0.678	0.363	0.070	20.58	21.70	0.877	21.4°C
Right Hand Tilted 15°	20525/836.5	10M QPSK 100%RB#0	0.538	0.329	0.030	20.58	21.70	0.696	21.4°C

Additional SAR test when simultaneous transmission with WiFi, sensor on

Right Hand Touched	20600/844	10M QPSK 1RB#49	0.666	0.361	-0.060	19.97	21.00	0.844	21.4°C
Right Hand Tilted 15°	20600/844	10M QPSK 1RB#49	0.657	0.327	-0.150	19.97	21.00	0.833	21.4°C

Table 134: Head SAR test results of LTE Band V

Test Position of Body-Worn with 15mm	Test channel / Freq.(MHz)	Test Mode	SAR Value (W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Scaled SAR _{1-g} (W/kg)	Liquid Temp.
			1-g	10-g					
1RB									
Front Side	20525/836.5	10M QPSK 1RB#49	0.125	0.089	0.160	21.76	22.70	0.155	21.5°C
Back Side	20525/836.5	10M QPSK 1RB#49	0.147	0.100	0.020	21.76	22.70	0.183	21.5°C
50%RB									
Front Side	20450/829	10M QPSK 50%RB#0	0.075	0.051	0.100	20.58	21.70	0.097	21.5°C
Back Side	20450/829	10M QPSK 50%RB#0	0.090	0.059	0.030	20.58	21.70	0.116	21.5°C

Table 135: Body-Worn SAR test results of LTE Band V

Test Position of Hotspot with 10mm	Test channel / Freq.(MHz)	Test Mode	SAR Value (W/kg)		Power Drift (dB)	Conducte d Power (dBm)	Tune-up Power (dBm)	Scaled SAR _{1-g} (W/kg)	Liquid Temp.
			1-g	10-g					
1RB									
Front Side	20450/829	10M QPSK 1RB#0	0.111	0.065	0.030	19.96	21.00	0.141	21.5°C
Back Side	20450/829	10M QPSK 1RB#0	0.133	0.076	0.070	19.96	21.00	0.169	21.5°C
Left Side	20450/829	10M QPSK 1RB#0	0.064	0.044	0.140	19.96	21.00	0.081	21.5°C
Right Side	20450/829	10M QPSK 1RB#0	0.009	0.006	0.040	19.96	21.00	0.011	21.5°C
Top Side	20450/829	10M QPSK 1RB#0	0.090	0.045	0.080	19.96	21.00	0.115	21.5°C
50%RB									
Front Side	20450/829	10M QPSK 50%RB#0	0.100	0.067	0.100	19.85	21.00	0.130	21.5°C
Back Side	20450/829	10M QPSK 50%RB#0	0.134	0.076	-0.050	19.85	21.00	0.175	21.5°C
Left Side	20450/829	10M QPSK 50%RB#0	0.064	0.043	0.000	19.85	21.00	0.084	21.5°C
Right Side	20450/829	10M QPSK 50%RB#0	0.008	0.006	0.130	19.85	21.00	0.011	21.5°C
Top Side	20450/829	10M QPSK 50%RB#0	0.091	0.046	0.130	19.85	21.00	0.119	21.5°C

Table 136: Hotspot SAR test results of LTE Band V

Per KDB648474D04, when hotspot mode applies, 10-g extremity SAR is required only for the surfaces and edges with hotspot mode 1-g reported SAR > 1.2 W/kg; however, when power reduction applies to hotspot mode the measured SAR must be scaled to the maximum output power, including tolerance, allowed for phablet modes to compare with the 1.2 W/kg SAR test reduction threshold:

Test Position of Hotspot with 10mm	Test channel / Freq.(MHz)	Test Mode	SAR Value (W/kg)		Power Drift (dB)	Conduct Power (dBm)	Tune-up Power (dBm)	Scaled SAR _{1-g} (W/kg)	10-g Extremity SAR Exclusion
			1-g	10-g					
1RB									
Front Side	20450/829	10M QPSK 1RB#0	0.111	0.065	0.030	19.96	22.70	0.209	Yes
Back Side	20450/829	10M QPSK 1RB#0	0.133	0.076	0.070	19.96	22.70	0.250	Yes
Left Side	20450/829	10M QPSK 1RB#0	0.064	0.044	0.140	19.96	22.70	0.120	Yes
Right Side	20450/829	10M QPSK 1RB#0	0.009	0.006	0.040	19.96	22.70	0.016	Yes
Top Side	20450/829	10M QPSK 1RB#0	0.090	0.045	0.080	19.96	22.70	0.170	Yes
50%RB									
Front Side	20450/829	10M QPSK 50%RB#0	0.100	0.067	0.100	19.85	21.70	0.153	Yes
Back Side	20450/829	10M QPSK 50%RB#0	0.134	0.076	-0.050	19.85	21.70	0.205	Yes
Left Side	20450/829	10M QPSK 50%RB#0	0.064	0.043	0.000	19.85	21.70	0.098	Yes
Right Side	20450/829	10M QPSK 50%RB#0	0.008	0.006	0.130	19.85	21.70	0.012	Yes
Top Side	20450/829	10M QPSK 50%RB#0	0.091	0.046	0.130	19.85	21.70	0.139	Yes

Table 137: 10-g Extremity SAR test reduction evaluation of LTE Band V

Note : According to the table above , 10-g Extremity SAR test is not required for this frequency band.

**7.2.6 SAR measurement Result of LTE Band XII (Second Antenna)**

Test Position of Head	Test channel / Freq.(MHz)	Test Mode	SAR Value (W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Scaled SAR _{1-g} (W/kg)	Liquid Temp.
			1-g	10-g					
1RB									
Left Hand Touched	23095/707.5	10M QPSK 1RB#49	0.738	0.402	-0.200	22.05	22.70	0.857	21.4°C
Left Hand Touched	23060/704	10M QPSK 1RB#25	0.695	0.378	-0.060	21.76	22.70	0.863	21.4°C
Left Hand Touched	23130/711	10M QPSK 1RB#49	0.804	0.437	-0.140	22.05	22.70	0.934	21.4°C
Left Hand Tilted 15°	23095/707.5	10M QPSK 1RB#49	0.658	0.346	-0.120	22.05	22.70	0.764	21.4°C
Right Hand Touched	23095/707.5	10M QPSK 1RB#49	0.916	0.495	0.100	22.05	22.70	1.064	21.4°C
Right Hand Touched	23060/704	10M QPSK 1RB#25	0.879	0.473	-0.050	21.76	22.70	1.091	21.4°C
Right Hand Touched	23130/711	10M QPSK 1RB#49	0.989	0.531	0.100	22.05	22.70	1.149	21.4°C
Right Hand Touched-repeated	23130/711	10M QPSK 1RB#49	1.030	0.547	-0.130	22.05	22.70	1.196	21.4°C
Right Hand Tilted 15°	23095/707.5	10M QPSK 1RB#49	0.801	0.408	0.070	22.05	22.70	0.930	21.4°C
Right Hand Tilted 15°	23060/704	10M QPSK 1RB#25	0.788	0.401	-0.020	21.76	22.70	0.978	21.4°C
Right Hand Tilted 15°	23130/711	10M QPSK 1RB#49	0.861	0.437	-0.010	22.05	22.70	1.000	21.4°C
50%RB									
Left Hand Touched	23095/707.5	10M QPSK 50%RB#25	0.591	0.321	-0.060	20.84	21.70	0.720	21.4°C
Left Hand Tilted 15°	23095/707.5	10M QPSK 50%RB#25	0.525	0.275	-0.060	20.84	21.70	0.640	21.4°C
Right Hand Touched	23095/707.5	10M QPSK 50%RB#25	0.739	0.395	-0.040	20.84	21.70	0.901	21.4°C
Right Hand Touched	23060/704	10M QPSK 50%RB#0	0.697	0.374	0.000	20.80	21.70	0.857	21.4°C
Right Hand Touched	23130/711	10M QPSK 50%RB#25	0.727	0.390	-0.030	20.83	21.70	0.888	21.4°C
Right Hand Tilted 15°	23095/707.5	10M QPSK 50%RB#25	0.707	0.346	-0.020	20.84	21.70	0.862	21.4°C
Right Hand Tilted 15°	23060/704	10M QPSK 50%RB#0	0.631	0.310	-0.060	20.80	21.70	0.776	21.4°C
Right Hand Tilted 15°	23130/711	10M QPSK 50%RB#25	0.746	0.366	-0.060	20.83	21.70	0.911	21.4°C
100%RB									
Left Hand Touched	23095/707.5	10M QPSK 100%RB#0	0.544	0.333	-0.080	20.77	21.70	0.674	21.4°C
Right Hand Touched	23095/707.5	10M QPSK 100%RB#0	0.698	0.378	-0.020	20.77	21.70	0.865	21.4°C
Right Hand Tilted 15°	23095/707.5	10M QPSK 100%RB#0	0.557	0.353	-0.070	20.77	21.70	0.690	21.4°C

Additional SAR test when simultaneous transmission with WiFi, sensor on

Right Hand Touched	23130/711	10M QPSK 1RB#49	0.622	0.330	-0.110	19.99	21.00	0.785	21.4°C
Right Hand Tilted 15°	23130/711	10M QPSK 1RB#49	0.576	0.278	-0.200	19.99	21.00	0.727	21.4°C

Table 138: Head SAR test results of LTE Band XII

Test Position of Body-Worn with 15mm	Test channel / Freq.(MHz)	Test Mode	SAR Value (W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Scaled SAR _{1-g} (W/kg)	Liquid Temp.
			1-g	10-g					
1RB									
Front Side	23095/707.5	10M QPSK 1RB#49	0.100	0.067	0.000	22.05	22.70	0.116	21.4°C
Back Side	23095/707.5	10M QPSK 1RB#49	0.111	0.079	-0.010	22.05	22.70	0.129	21.4°C
50%RB									
Front Side	23095/707.5	10M QPSK 50%RB#25	0.079	0.053	0.000	20.84	21.70	0.097	21.4°C
Back Side	23095/707.5	10M QPSK 50%RB#25	0.083	0.057	0.130	20.84	21.70	0.102	21.4°C

Table 139: Body-Worn SAR test results of LTE Band XII

Test Position of Hotspot with 10mm	Test channel / Freq.(MHz)	Test Mode	SAR Value (W/kg)		Power Drift (dB)	Conducte d Power (dBm)	Tune-up Power (dBm)	Scaled SAR _{1-g} (W/kg)	Liquid Temp.
			1-g	10-g					
1RB									
Front Side	23130/711	10M QPSK 1RB#49	0.203	0.129	0.100	20.16	21.00	0.246	21.4°C
Back Side	23130/711	10M QPSK 1RB#49	0.312	0.181	-0.030	20.16	21.00	0.379	21.4°C
Left Side	23130/711	10M QPSK 1RB#49	0.093	0.064	-0.160	20.16	21.00	0.113	21.4°C
Right Side	23130/711	10M QPSK 1RB#49	0.025	0.017	-0.180	20.16	21.00	0.031	21.4°C
Top Side	23130/711	10M QPSK 1RB#49	0.169	0.092	-0.040	20.16	21.00	0.205	21.4°C
50%RB									
Front Side	23130/711	10M QPSK 50%RB#0	0.169	0.108	-0.020	19.94	21.00	0.216	21.4°C
Back Side	23130/711	10M QPSK 50%RB#0	0.176	0.109	-0.040	19.94	21.00	0.225	21.4°C
Left Side	23130/711	10M QPSK 50%RB#0	0.093	0.064	-0.130	19.94	21.00	0.118	21.4°C
Right Side	23130/711	10M QPSK 50%RB#0	0.016	0.011	-0.100	19.94	21.00	0.020	21.4°C
Top Side	23130/711	10M QPSK 50%RB#0	0.136	0.070	0.030	19.94	21.00	0.174	21.4°C

Table 140: Hotspot SAR test results of LTE Band XII

Per KDB648474D04, when hotspot mode applies, 10-g extremity SAR is required only for the surfaces and edges with hotspot mode 1-g reported SAR > 1.2 W/kg; however, when power reduction applies to hotspot mode the measured SAR must be scaled to the maximum output power, including tolerance, allowed for phablet modes to compare with the 1.2 W/kg SAR test reduction threshold:

Test Position of Hotspot with 10mm	Test channel / Freq.(MHz)	Test Mode	SAR Value (W/kg)		Power Drift (dB)	Conduct Power (dBm)	Tune-up Power (dBm)	Scaled SAR _{1-g} (W/kg)	10-g Extremity SAR Exclusion
			1-g	10-g					
1RB									
Front Side	23130/711	10M QPSK 1RB#49	0.203	0.129	0.100	20.16	22.70	0.364	Yes
Back Side	23130/711	10M QPSK 1RB#49	0.312	0.181	-0.030	20.16	22.70	0.560	Yes
Left Side	23130/711	10M QPSK 1RB#49	0.093	0.064	-0.160	20.16	22.70	0.168	Yes
Right Side	23130/711	10M QPSK 1RB#49	0.025	0.017	-0.180	20.16	22.70	0.045	Yes
Top Side	23130/711	10M QPSK 1RB#49	0.169	0.092	-0.040	20.16	22.70	0.303	Yes
50%RB									
Front Side	23130/711	10M QPSK 50%RB#0	0.169	0.108	-0.020	19.94	21.70	0.253	Yes
Back Side	23130/711	10M QPSK 50%RB#0	0.176	0.109	-0.040	19.94	21.70	0.264	Yes
Left Side	23130/711	10M QPSK 50%RB#0	0.093	0.064	-0.130	19.94	21.70	0.139	Yes
Right Side	23130/711	10M QPSK 50%RB#0	0.016	0.011	-0.100	19.94	21.70	0.023	Yes
Top Side	23130/711	10M QPSK 50%RB#0	0.136	0.070	0.030	19.94	21.70	0.204	Yes

Table 141: 10-g Extremity SAR test reduction evaluation of LTE Band XII

Note : According to the table above , 10-g Extremity SAR test is not required for this frequency band.

7.2.7 SAR measurement Result of LTE Band XIII (Second Antenna)

Test Position of Head	Test channel / Freq.(MHz)	Test Mode	SAR Value (W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Scaled SAR _{1-g} (W/kg)	Liquid Temp.
			1-g	10-g					
1RB									
Left Hand Touched	23230/782	10M QPSK 1RB#49	0.856	0.471	-0.070	21.62	22.70	1.098	21.4°C
Left Hand Tilted 15°	23230/782	10M QPSK 1RB#49	0.756	0.406	-0.090	21.62	22.70	0.969	21.4°C
Right Hand Touched	23230/782	10M QPSK 1RB#49	1.120	0.597	0.020	21.62	22.70	1.436	21.4°C
Right Hand Touched-repeated	23230/782	10M QPSK 1RB#49	1.110	0.592	0.000	21.62	22.70	1.423	21.4°C
Right Hand Tilted 15°	23230/782	10M QPSK 1RB#49	0.961	0.479	-0.030	21.62	22.70	1.232	21.4°C
50%RB									
Left Hand Touched	23230/782	10M QPSK 50%RB#25	0.667	0.366	-0.100	20.68	21.70	0.844	21.4°C
Left Hand Tilted 15°	23230/782	10M QPSK 50%RB#25	0.558	0.312	-0.060	20.68	21.70	0.706	21.4°C
Right Hand Touched	23230/782	10M QPSK 50%RB#25	0.896	0.474	-0.030	20.68	21.70	1.133	21.4°C
Right Hand Tilted 15°	23230/782	10M QPSK 50%RB#25	0.783	0.382	0.000	20.68	21.70	0.990	21.4°C
100%RB									
Left Hand Touched	23230/782	10M QPSK 100%RB#0	0.691	0.383	-0.050	20.81	21.70	0.848	21.4°C
Left Hand Tilted 15°	23230/782	10M QPSK 100%RB#0	0.622	0.334	-0.070	20.81	21.70	0.763	21.4°C
Right Hand Touched	23230/782	10M QPSK 100%RB#0	0.935	0.494	-0.060	20.81	21.70	1.148	21.4°C
Right Hand Tilted 15°	23230/782	10M QPSK 100%RB#0	0.808	0.401	-0.060	20.81	21.70	0.992	21.4°C
Additional SAR test when simultaneous transmission with WiFi, sensor on									
Right Hand Touched	23230/782	10M QPSK 1RB#49	0.706	0.371	-0.140	19.69	21.00	0.955	21.4°C
Right Hand Tilted 15°	23230/782	10M QPSK 1RB#49	0.599	0.290	-0.150	19.69	21.00	0.810	21.4°C

Table 142: Head SAR test results of LTE Band XIII

Test Position of Body-Worn with 15mm	Test channel / Freq.(MHz)	Test Mode	SAR Value (W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Scaled SAR _{1-g} (W/kg)	Liquid Temp.
			1-g	10-g					
1RB									
Front Side	23230/782	10M QPSK 1RB#49	0.182	0.131	-0.020	21.62	22.70	0.233	21.4°C
Back Side	23230/782	10M QPSK 1RB#49	0.226	0.162	0.000	21.62	22.70	0.290	21.4°C
50%RB									
Front Side	23230/782	10M QPSK 50%RB#0	0.130	0.089	0.010	20.68	21.70	0.164	21.4°C
Back Side	23230/782	10M QPSK 50%RB#0	0.160	0.110	-0.070	20.68	21.70	0.202	21.4°C

Table 143: Body-Worn SAR test results of LTE Band XIII

Test Position of Hotspot with 10mm	Test channel / Freq.(MHz)	Test Mode	SAR Value (W/kg)		Power Drift (dB)	Conducte d Power (dBm)	Tune-up Power (dBm)	Scaled SAR _{1-g} (W/kg)	Liquid Temp.
			1-g	10-g					
1RB									
Front Side	23230/782	10M QPSK 1RB#49	0.282	0.165	-0.050	20.06	21.00	0.246	21.4°C
Back Side	23230/782	10M QPSK 1RB#49	0.308	0.178	0.040	20.06	21.00	0.382	21.4°C
Left Side	23230/782	10M QPSK 1RB#49	0.177	0.119	-0.110	20.06	21.00	0.220	21.4°C
Right Side	23230/782	10M QPSK 1RB#49	0.051	0.035	-0.180	20.06	21.00	0.064	21.4°C
Top Side	23230/782	10M QPSK 1RB#49	0.198	0.110	-0.120	20.06	21.00	0.246	21.4°C
50%RB									
Front Side	23230/782	10M QPSK 50%RB#0	0.296	0.194	0.010	19.95	21.00	0.377	21.4°C
Back Side	23230/782	10M QPSK 50%RB#0	0.319	0.184	-0.050	19.95	21.00	0.406	21.4°C
Left Side	23230/782	10M QPSK 50%RB#0	0.175	0.118	-0.140	19.95	21.00	0.223	21.4°C
Right Side	23230/782	10M QPSK 50%RB#0	0.053	0.036	-0.150	19.95	21.00	0.067	21.4°C
Top Side	23230/782	10M QPSK 50%RB#0	0.210	0.117	-0.070	19.95	21.00	0.267	21.4°C

Table 144: Hotspot SAR test results of LTE Band XIII

Per KDB648474D04, when hotspot mode applies, 10-g extremity SAR is required only for the surfaces and edges with hotspot mode 1-g reported SAR > 1.2 W/kg; however, when power reduction applies to hotspot mode the measured SAR must be scaled to the maximum output power, including tolerance, allowed for phablet modes to compare with the 1.2 W/kg SAR test reduction threshold:

Test Position of Hotspot with 10mm	Test channel / Freq.(MHz)	Test Mode	SAR Value (W/kg)		Power Drift (dB)	Conduct Power (dBm)	Tune-up Power (dBm)	Scaled SAR _{1-g} (W/kg)	10-g Extremity SAR Exclusion
			1-g	10-g					
1RB									
Front Side	23230/782	10M QPSK 1RB#49	0.282	0.165	-0.050	20.06	22.70	0.364	Yes
Back Side	23230/782	10M QPSK 1RB#49	0.308	0.178	0.040	20.06	22.70	0.566	Yes
Left Side	23230/782	10M QPSK 1RB#49	0.177	0.119	-0.110	20.06	22.70	0.325	Yes
Right Side	23230/782	10M QPSK 1RB#49	0.051	0.035	-0.180	20.06	22.70	0.094	Yes
Top Side	23230/782	10M QPSK 1RB#49	0.198	0.110	-0.120	20.06	22.70	0.364	Yes
50%RB									
Front Side	23230/782	10M QPSK 50%RB#0	0.296	0.194	0.010	19.95	21.70	0.443	Yes
Back Side	23230/782	10M QPSK 50%RB#0	0.319	0.184	-0.050	19.95	21.70	0.477	Yes
Left Side	23230/782	10M QPSK 50%RB#0	0.175	0.118	-0.140	19.95	21.70	0.262	Yes
Right Side	23230/782	10M QPSK 50%RB#0	0.053	0.036	-0.150	19.95	21.70	0.079	Yes
Top Side	23230/782	10M QPSK 50%RB#0	0.210	0.117	-0.070	19.95	21.70	0.314	Yes

Table 145: 10-g Extremity SAR test reduction evaluation of LTE Band XIII

Note : According to the table above , 10-g Extremity SAR test is not required for this frequency band.

**7.2.8 SAR measurement Result of LTE Band XVII (Second Antenna)**

Test Position of Head	Test channel / Freq.(MHz)	Test Mode	SAR Value (W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Scaled SAR _{1-g} (W/kg)	Liquid Temp.
			1-g	10-g					
1RB									
Left Hand Touched	23790/710	10M QPSK 1RB#25	0.736	0.400	-0.060	21.54	22.70	0.961	21.4°C
Left Hand Touched	23780/709	10M QPSK 1RB#25	0.710	0.386	0.140	21.53	22.70	0.930	21.4°C
Left Hand Touched	23800/711	10M QPSK 1RB#25	0.758	0.412	-0.090	21.52	22.70	0.995	21.4°C
Left Hand Tilted 15°	23790/710	10M QPSK 1RB#25	0.649	0.342	-0.090	21.54	22.70	0.848	21.4°C
Left Hand Tilted 15°	23780/709	10M QPSK 1RB#25	0.653	0.346	0.070	21.53	22.70	0.855	21.4°C
Left Hand Tilted 15°	23800/711	10M QPSK 1RB#25	0.666	0.356	-0.060	21.52	22.70	0.874	21.4°C
Right Hand Touched	23790/710	10M QPSK 1RB#25	0.930	0.496	-0.010	21.54	22.70	1.215	21.4°C
Right Hand Touched	23780/709	10M QPSK 1RB#25	0.910	0.485	-0.010	21.53	22.70	1.191	21.4°C
Right Hand Touched	23800/711	10M QPSK 1RB#25	0.972	0.515	-0.160	21.52	22.70	1.275	21.4°C
Right Hand Touched-repeated	23800/711	10M QPSK 1RB#25	0.952	0.513	-0.020	21.52	22.70	1.249	21.4°C
Right Hand Tilted 15°	23790/710	10M QPSK 1RB#25	0.866	0.422	-0.010	21.54	22.70	1.131	21.4°C
Right Hand Tilted 15°	23780/709	10M QPSK 1RB#25	0.803	0.400	-0.010	21.53	22.70	1.051	21.4°C
Right Hand Tilted 15°	23800/711	10M QPSK 1RB#25	0.802	0.400	-0.010	21.52	22.70	1.052	21.4°C
50%RB									
Left Hand Touched	23790/710	10M QPSK 50%RB#13	0.597	0.324	-0.050	20.53	21.70	0.782	21.4°C
Left Hand Tilted 15°	23790/710	10M QPSK 50%RB#13	0.527	0.298	-0.030	20.53	21.70	0.690	21.4°C
Right Hand Touched	23790/710	10M QPSK 50%RB#13	0.730	0.387	0.080	20.53	21.70	0.956	21.4°C
Right Hand Touched	23780/709	10M QPSK 50%RB#13	0.759	0.409	-0.100	20.46	21.70	1.010	21.4°C
Right Hand Touched	23800/711	10M QPSK 50%RB#13	0.777	0.418	-0.050	20.47	21.70	1.031	21.4°C
Right Hand Tilted 15°	23790/710	10M QPSK 50%RB#13	0.659	0.328	-0.010	20.53	21.70	0.863	21.4°C
Right Hand Tilted 15°	23780/709	10M QPSK 50%RB#13	0.758	0.367	-0.060	20.46	21.70	1.008	21.4°C
Right Hand Tilted 15°	23800/711	10M QPSK 50%RB#13	0.768	0.372	-0.020	20.47	21.70	1.019	21.4°C
100%RB									
Left Hand Touched	23790/710	10M QPSK 100%RB#0	0.587	0.317	-0.010	20.50	21.70	0.774	21.4°C
Left Hand Tilted 15°	23790/710	10M QPSK 100%RB#0	0.549	0.288	-0.080	20.50	21.70	0.724	21.4°C

Right Hand Touched	23790/710	10M QPSK 100%RB#0	0.720	0.383	-0.020	20.50	21.70	0.949	21.4°C
Right Hand Tilted 15°	23790/710	10M QPSK 100%RB#0	0.658	0.325	-0.010	20.50	21.70	0.867	21.4°C
Additional SAR test when simultaneous transmission with WiFi, sensor on									
Right Hand Touched	23800/711	10M QPSK 1RB#25	0.601	0.318	-0.060	19.69	21.00	0.813	21.4°C
Right Hand Tilted 15°	23800/711	10M QPSK 1RB#25	0.558	0.270	-0.060	19.69	21.00	0.754	21.4°C

Table 146: Head SAR test results of LTE Band XVII

Test Position of Body-Worn with 15mm	Test channel / Freq.(MHz)	Test Mode	SAR Value (W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Scaled SAR _{1-g} (W/kg)	Liquid Temp.
			1-g	10-g					
1RB									
Front Side	23790/710	10M QPSK 1RB#49	0.118	0.079	0.070	21.54	22.70	0.154	21.4°C
Back Side	23790/710	10M QPSK 1RB#49	0.122	0.075	0.100	21.54	22.70	0.159	21.4°C
50%RB									
Front Side	23790/710	10M QPSK 50%RB#13	0.082	0.056	-0.010	20.53	21.70	0.107	21.4°C
Back Side	23790/710	10M QPSK 50%RB#13	0.084	0.057	0.130	20.53	21.70	0.110	21.4°C

Table 147: Body-Worn SAR test results of LTE Band XVII

Test Position of Hotspot with 10mm	Test channel / Freq.(MHz)	Test Mode	SAR Value (W/kg)		Power Drift (dB)	Conducte d Power (dBm)	Tune-up Power (dBm)	Scaled SAR _{1-g} (W/kg)	Liquid Temp.
			1-g	10-g					
1RB									
Front Side	23800/711	10M QPSK 1RB#0	0.165	0.111	0.000	20.03	21.00	0.206	21.4°C
Back Side	23800/711	10M QPSK 1RB#0	0.200	0.116	-0.150	20.03	21.00	0.250	21.4°C
Left Side	23800/711	10M QPSK 1RB#0	0.099	0.067	-0.160	20.03	21.00	0.124	21.4°C
Right Side	23800/711	10M QPSK 1RB#0	0.018	0.012	-0.110	20.03	21.00	0.022	21.4°C
Top Side	23800/711	10M QPSK 1RB#0	0.141	0.070	-0.030	20.03	21.00	0.176	21.4°C
50%RB									
Front Side	23780/709	10M QPSK 50%RB#25	0.196	0.132	-0.100	19.92	21.00	0.251	21.4°C
Back Side	23780/709	10M QPSK 50%RB#25	0.238	0.138	-0.110	19.92	21.00	0.305	21.4°C
Left Side	23780/709	10M QPSK 50%RB#25	0.107	0.073	-0.180	19.92	21.00	0.137	21.4°C
Right Side	23780/709	10M QPSK 50%RB#25	0.019	0.012	-0.050	19.92	21.00	0.024	21.4°C
Top Side	23780/709	10M QPSK 50%RB#25	0.180	0.091	-0.020	19.92	21.00	0.231	21.4°C

Table 148: Hotspot SAR test results of LTE Band XVII

Per KDB648474D04, when hotspot mode applies, 10-g extremity SAR is required only for the surfaces and edges with hotspot mode 1-g reported SAR > 1.2 W/kg; however, when power reduction applies to hotspot mode the measured SAR must be scaled to the maximum output power, including tolerance, allowed for phablet modes to compare with the 1.2 W/kg SAR test reduction threshold:

Test Position of Hotspot with 10mm	Test channel / Freq.(MHz)	Test Mode	SAR Value (W/kg)		Power Drift (dB)	Conduct Power (dBm)	Tune-up Power (dBm)	Scaled SAR _{1-g} (W/kg)	10-g Extremity SAR Exclusion
			1-g	10-g					
1RB									
Front Side	23800/711	10M QPSK 1RB#0	0.165	0.111	0.000	20.03	22.70	0.305	Yes
Back Side	23800/711	10M QPSK 1RB#0	0.200	0.116	-0.150	20.03	22.70	0.370	Yes
Left Side	23800/711	10M QPSK 1RB#0	0.099	0.067	-0.160	20.03	22.70	0.183	Yes
Right Side	23800/711	10M QPSK 1RB#0	0.018	0.012	-0.110	20.03	22.70	0.032	Yes
Top Side	23800/711	10M QPSK 1RB#0	0.141	0.070	-0.030	20.03	22.70	0.261	Yes
50%RB									
Front Side	23780/709	10M QPSK 50%RB#25	0.196	0.132	-0.100	19.92	21.70	0.295	Yes
Back Side	23780/709	10M QPSK 50%RB#25	0.238	0.138	-0.110	19.92	21.70	0.359	Yes
Left Side	23780/709	10M QPSK 50%RB#25	0.107	0.073	-0.180	19.92	21.70	0.161	Yes
Right Side	23780/709	10M QPSK 50%RB#25	0.019	0.012	-0.050	19.92	21.70	0.028	Yes
Top Side	23780/709	10M QPSK 50%RB#25	0.180	0.091	-0.020	19.92	21.70	0.271	Yes

Table 149: 10-g Extremity SAR test reduction evaluation of LTE Band XVII

Note : According to the table above , 10-g Extremity SAR test is not required for this frequency band.

7.2.9 SAR measurement Result of LTE Band XXVI (Second Antenna)

Test Position of Head	Test channel / Freq.(MHz)	Test Mode	SAR Value (W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Scaled SAR _{1-g} (W/kg)	Liquid Temp.
			1-g	10-g					
1RB									
Left Hand Touched	26775/822.5	15M QPSK 1RB#38	0.525	0.286	-0.090	21.53	22.70	0.687	21.4°C
Left Hand Tilted 15°	26775/822.5	15M QPSK 1RB#38	0.555	0.293	-0.010	21.53	22.70	0.727	21.4°C
Right Hand Touched	26775/822.5	15M QPSK 1RB#38	0.850	0.449	0.170	21.53	22.70	1.113	21.4°C
Right Hand Touched	26865/831.5	15M QPSK 1RB#0	0.892	0.473	-0.060	21.46	22.70	1.187	21.4°C
Right Hand Touched	26965/841.5	15M QPSK 1RB#38	1.030	0.544	-0.040	21.48	22.70	1.364	21.4°C
Right Hand Touched-repeated	26965/841.5	15M QPSK 1RB#38	1.060	0.560	-0.070	21.48	22.70	1.404	21.4°C
Right Hand Tilted 15°	26775/822.5	15M QPSK 1RB#38	0.777	0.392	-0.110	21.53	22.70	1.017	21.4°C
Right Hand Tilted 15°	26865/831.5	15M QPSK 1RB#0	0.853	0.429	-0.030	21.46	22.70	1.135	21.4°C
Right Hand Tilted 15°	26965/841.5	15M QPSK 1RB#38	0.926	0.468	-0.100	21.48	22.70	1.226	21.4°C
50%RB									
Left Hand Touched	26965/841.5	15M QPSK 50%RB#0	0.554	0.302	-0.060	20.50	21.70	0.730	21.4°C
Left Hand Tilted 15°	26965/841.5	15M QPSK 50%RB#0	0.564	0.296	-0.060	20.50	21.70	0.743	21.4°C
Right Hand Touched	26965/841.5	15M QPSK 50%RB#0	0.820	0.431	-0.010	20.50	21.70	1.081	21.4°C
Right Hand Touched	26775/822.5	15M QPSK 50%RB#0	0.687	0.362	-0.020	20.27	21.70	0.955	21.4°C
Right Hand Touched	26865/831.5	15M QPSK 50%RB#0	0.751	0.397	-0.070	20.35	21.70	1.025	21.4°C
Right Hand Tilted 15°	26965/841.5	15M QPSK 50%RB#0	0.744	0.373	0.030	20.50	21.70	0.981	21.4°C
Right Hand Tilted 15°	26775/822.5	15M QPSK 50%RB#0	0.572	0.344	0.020	20.27	21.70	0.795	21.4°C
Right Hand Tilted 15°	26865/831.5	15M QPSK 50%RB#0	0.704	0.353	-0.070	20.35	21.70	0.961	21.4°C
100%RB									
Right Hand Touched	26775/822.5	15M QPSK 100%RB#0	0.774	0.391	0.060	20.37	21.70	1.051	21.4°C
Right Hand Tilted 15°	26775/822.5	15M QPSK 100%RB#0	0.724	0.354	-0.010	20.37	21.70	0.983	21.4°C
Additional SAR test when simultaneous transmission with WiFi, sensor on									
Right Hand Touched	26965/841.5	15M QPSK 1RB#38	0.659	0.353	-0.100	20.08	21.00	0.814	21.4°C
Right Hand Tilted 15°	26965/841.5	15M QPSK 1RB#38	0.604	0.296	-0.160	20.08	21.00	0.747	21.4°C

Table 150: Head SAR test results of LTE Band XXVI

Test Position of Body-Worn with 15mm	Test channel / Freq.(MHz)	Test Mode	SAR Value (W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Scaled SAR _{1-g} (W/kg)	Liquid Temp.
			1-g	10-g					
1RB									
Front Side	26775/822.5	15M QPSK 1RB#38	0.083	0.057	0.070	21.53	22.70	0.108	21.5°C
Back Side	26775/822.5	15M QPSK 1RB#38	0.097	0.068	0.070	21.53	22.70	0.126	21.5°C
50%RB									
Front Side	26965/841.5	15M QPSK 50%RB#0	0.091	0.063	0.010	20.50	21.70	0.120	21.5°C
Back Side	26965/841.5	15M QPSK 50%RB#0	0.103	0.072	0.090	20.50	21.70	0.136	21.5°C

Table 151: Body-Worn SAR test results of LTE Band XXVI

Test Position of Hotspot with 10mm	Test channel / Freq.(MHz)	Test Mode	SAR Value (W/kg)		Power Drift (dB)	Conducte d Power (dBm)	Tune-up Power (dBm)	Scaled SAR _{1-g} (W/kg)	Liquid Temp.
			1-g	10-g					
1RB									
Front Side	26965/841.5	15M QPSK 1RB#0	0.167	0.097	0.070	19.95	21.00	0.213	21.5°C
Back Side	26965/841.5	15M QPSK 1RB#0	0.242	0.133	-0.170	19.95	21.00	0.308	21.5°C
Left Side	26965/841.5	15M QPSK 1RB#0	0.082	0.056	-0.020	19.95	21.00	0.105	21.5°C
Right Side	26965/841.5	15M QPSK 1RB#0	0.011	0.069	0.150	19.95	21.00	0.014	21.5°C
Top Side	26965/841.5	15M QPSK 1RB#0	0.114	0.067	-0.080	19.95	21.00	0.145	21.5°C
50%RB									
Front Side	26965/841.5	15M QPSK 50%RB#18	0.132	0.087	0.160	19.86	21.00	0.172	21.5°C
Back Side	26965/841.5	15M QPSK 50%RB#18	0.281	0.155	-0.090	19.86	21.00	0.365	21.5°C
Left Side	26965/841.5	15M QPSK 50%RB#18	0.095	0.064	-0.030	19.86	21.00	0.124	21.5°C
Right Side	26965/841.5	15M QPSK 50%RB#18	0.014	0.009	0.150	19.86	21.00	0.018	21.5°C
Top Side	26965/841.5	15M QPSK 50%RB#18	0.131	0.078	-0.090	19.86	21.00	0.170	21.5°C

Table 152: Hotspot SAR test results of LTE Band XXVI

Per KDB648474D04, when hotspot mode applies, 10-g extremity SAR is required only for the surfaces and edges with hotspot mode 1-g reported SAR > 1.2 W/kg; however, when power reduction applies to hotspot mode the measured SAR must be scaled to the maximum output power, including tolerance, allowed for phablet modes to compare with the 1.2 W/kg SAR test reduction threshold:

Test Position of Hotspot with 10mm	Test channel / Freq.(MHz)	Test Mode	SAR Value (W/kg)		Power Drift (dB)	Conduct Power (dBm)	Tune-up Power (dBm)	Scaled SAR _{1-g} (W/kg)	10-g Extremity SAR Exclusion
			1-g	10-g					
1RB									
Front Side	26965/841.5	15M QPSK 1RB#0	0.167	0.097	0.070	19.95	22.70	0.315	Yes
Back Side	26965/841.5	15M QPSK 1RB#0	0.242	0.133	-0.170	19.95	22.70	0.456	Yes
Left Side	26965/841.5	15M QPSK 1RB#0	0.082	0.056	-0.020	19.95	22.70	0.155	Yes
Right Side	26965/841.5	15M QPSK 1RB#0	0.011	0.069	0.150	19.95	22.70	0.021	Yes
Top Side	26965/841.5	15M QPSK 1RB#0	0.114	0.067	-0.080	19.95	22.70	0.215	Yes
50%RB									
Front Side	26965/841.5	15M QPSK 50%RB#18	0.132	0.087	0.160	19.86	21.70	0.202	Yes
Back Side	26965/841.5	15M QPSK 50%RB#18	0.281	0.155	-0.090	19.86	21.70	0.429	Yes
Left Side	26965/841.5	15M QPSK 50%RB#18	0.095	0.064	-0.030	19.86	21.70	0.145	Yes
Right Side	26965/841.5	15M QPSK 50%RB#18	0.014	0.009	0.150	19.86	21.70	0.021	Yes
Top Side	26965/841.5	15M QPSK 50%RB#18	0.131	0.078	-0.090	19.86	21.70	0.200	Yes

Table 153: 10-g Extremity SAR test reduction evaluation of LTE Band XXVI

Note : According to the table above , 10-g Extremity SAR test is not required for this frequency band.

7.2.10 SAR measurement Result of GSM850 (Main Antenna)

Test Position of Head	Test channel /Freq.(MHz)	Test Mode	SAR Value (W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Scaled SAR1-g (W/kg)	Liquid Temp.
			1-g	10-g					
Left Hand Touched	190/836.6	GSM	0.198	0.155	0.050	32.70	33.50	0.238	21.4°C
Left Hand Tilted 15°	190/836.6	GSM	0.175	0.113	0.040	32.70	33.50	0.210	21.4°C
Right Hand Touched	190/836.6	GSM	0.269	0.209	-0.160	32.70	33.50	0.323	21.4°C
Right Hand Tilted 15°	190/836.6	GSM	0.142	0.104	-0.060	32.70	33.50	0.171	21.4°C
Right Hand Touched	128/824.2	GSM	0.244	0.189	0.070	32.72	33.50	0.292	21.4°C
Right Hand Touched	251/848.8	GSM	0.303	0.235	0.130	32.73	33.50	0.362	21.4°C

Table 154: Head SAR test results of GSM850

Test Position of Body-Worn with 15mm	Test channel /Freq.(MHz)	Test Mode	SAR Value (W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Scaled SAR1-g (W/kg)	Liquid Temp.
			1-g	10-g					
Front Side	190/836.6	GSM	0.226	0.171	-0.030	32.70	33.50	0.272	21.5°C
Back Side	190/836.6	GSM	0.233	0.178	0.000	32.70	33.50	0.280	21.5°C

Table 155: Body-Worn SAR test results of GSM850

Test Position of Hotspot with 10mm	Test channel /Freq.(MHz)	Test Mode	SAR Value (W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Scaled SAR1-g (W/kg)	Liquid Temp.
			1-g	10-g					
Front Side	190/836.6	GPRS 2TS	0.316	0.204	0.080	27.96	29.00	0.402	21.5°C
Back Side	190/836.6	GPRS 2TS	0.374	0.211	0.040	27.96	29.00	0.475	21.5°C
Left Side	190/836.6	GPRS 2TS	0.101	0.068	-0.040	27.96	29.00	0.128	21.5°C
Right Side	190/836.6	GPRS 2TS	0.288	0.193	0.050	27.96	29.00	0.366	21.5°C
Bottom Side	190/836.6	GPRS 2TS	0.210	0.108	-0.050	27.96	29.00	0.267	21.5°C

Table 156: Hotspot SAR test results of GSM850

Per KDB648474D04, when hotspot mode applies, 10-g extremity SAR is required only for the surfaces and edges with hotspot mode 1-g reported SAR > 1.2 W/kg; however, when power reduction applies to hotspot mode the measured SAR must be scaled to the maximum output power, including tolerance, allowed for phablet modes to compare with the 1.2 W/kg SAR test reduction threshold:

Test Position of Hotspot with 10mm	Test channel /Freq.	Test Mode	SAR Value (W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Scaled SAR1-g (W/kg)	10-g Extremity SAR Exclusion
			1-g	10-g					
Front Side	190/836.6	GPRS 2TS	0.316	0.204	0.080	27.96	31.00	0.636	Yes
Back Side	190/836.6	GPRS 2TS	0.374	0.211	0.040	27.96	31.00	0.753	Yes
Left Side	190/836.6	GPRS 2TS	0.101	0.068	-0.040	27.96	31.00	0.203	Yes
Right Side	190/836.6	GPRS 2TS	0.288	0.193	0.050	27.96	31.00	0.580	Yes
Bottom Side	190/836.6	GPRS 2TS	0.210	0.108	-0.050	27.96	31.00	0.423	Yes

Table 157: 10-g Extremity SAR test reduction evaluation of GSM850

Note : According to the table above , 10-g Extremity SAR test is not required for this frequency band.

7.2.11 SAR measurement Result of GSM1900 (Main Antenna)

Test Position of Head	Test channel /Freq.(MHz)	Test Mode	SAR Value (W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Scaled SAR1-g (W/kg)	Liquid Temp.
			1-g	10-g					
Left Hand Touched	661/1880	GSM	0.120	0.077	0.180	30.94	31.00	0.122	22.0°C
Left Hand Tilted 15°	661/1880	GSM	0.075	0.041	0.000	30.94	31.00	0.076	22.0°C
Right Hand Touched	661/1880	GSM	0.139	0.089	0.040	30.94	31.00	0.141	22.0°C
Right Hand Tilted 15°	661/1880	GSM	0.080	0.044	0.040	30.94	31.00	0.081	22.0°C
Right Hand Touched	512/1850.2	GSM	0.109	0.065	0.140	30.97	31.00	0.110	22.0°C
Right Hand Touched	810/1909.8	GSM	0.140	0.089	0.020	30.92	31.00	0.143	22.0°C

Table 158: Head SAR test results of GSM1900

Test Position of Body-Worn with 15mm	Test channel /Freq.(MHz)	Test Mode	SAR Value (W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Scaled SAR1-g (W/kg)	Liquid Temp.
			1-g	10-g					
Front Side	661/1880	GSM	0.555	0.329	-0.090	30.94	31.00	0.563	21.4°C
Back Side	661/1880	GSM	0.594	0.354	0.170	30.94	31.00	0.602	21.4°C

Table 159: Body-Worn SAR test results of GSM1900

Test Position of Hotspot with 10mm	Test channel /Freq.(MHz)	Test Mode	SAR Value (W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Scaled SAR1-g (W/kg)	Liquid Temp.
			1-g	10-g					
Front Side	512/1850.2	GPRS 2TS	0.466	0.268	0.100	24.81	25.50	0.546	21.4°C
Back Side	512/1850.2	GPRS 2TS	0.507	0.290	0.110	24.81	25.50	0.594	21.4°C
Left Side	512/1850.2	GPRS 2TS	0.110	0.063	0.180	24.81	25.50	0.129	21.4°C
Right Side	512/1850.2	GPRS 2TS	0.047	0.028	0.060	24.81	25.50	0.055	21.4°C
Bottom Side	512/1850.2	GPRS 2TS	0.966	0.522	-0.070	24.81	25.50	1.132	21.4°C
Bottom Side-Reteaped	512/1850.2	GPRS 2TS	0.994	0.534	-0.030	24.81	25.50	1.165	21.4°C
Bottom Side	661/1880	GPRS 2TS	0.756	0.406	-0.040	24.27	25.50	1.004	21.4°C
Bottom Side	810/1909.8	GPRS 2TS	0.587	0.313	-0.080	24.73	25.50	0.701	21.4°C

Table 160: Hotspot SAR test results of GSM1900

Per KDB648474D04, when hotspot mode applies, 10-g extremity SAR is required only for the surfaces and edges with hotspot mode 1-g reported SAR > 1.2 W/kg; however, when power reduction applies to hotspot mode the measured SAR must be scaled to the maximum output power, including tolerance, allowed for phablet modes to compare with the 1.2 W/kg SAR test reduction threshold:

Test Position of Hotspot with 10mm	Test channel /Freq.	Test Mode	SAR Value (W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Scaled SAR1-g (W/kg)	10-g Extremity SAR Exclusion
			1-g	10-g					
Front Side	512/1850.2	GPRS 2TS	0.466	0.268	0.100	24.81	28.50	1.090	Yes
Back Side	512/1850.2	GPRS 2TS	0.507	0.290	0.110	24.81	28.50	1.186	Yes
Left Side	512/1850.2	GPRS 2TS	0.110	0.063	0.180	24.81	28.50	0.257	Yes
Right Side	512/1850.2	GPRS 2TS	0.047	0.028	0.060	24.81	28.50	0.110	Yes
Bottom Side	512/1850.2	GPRS 2TS	0.966	0.522	-0.070	24.81	28.50	2.259	No
Bottom Side-Reteaped	512/1850.2	GPRS 2TS	0.994	0.534	-0.030	24.81	28.50	2.325	No
Bottom Side	661/1880	GPRS 2TS	0.756	0.406	-0.040	24.27	28.50	2.002	No
Bottom Side	810/1909.8	GPRS 2TS	0.587	0.313	-0.080	24.73	28.50	1.398	No

Table 161: 10-g Extremity SAR test reduction evaluation of GSM1900

Note : According to the table above , 10-g Extremity SAR test is required for this frequency band.

According to the table above , only **Bottom Side** 10-g Extremity SAR test are required for this frequency band:

Test Position of 10-g Extremity with 0mm	Test channel /Freq.	Test Mode	SAR Value (W/kg)		Power Drift (dB)	Conducte d Power (dBm)	Tune-up Power (dBm)	Scaled 10-g SAR (W/kg)	Liquid Temp.
			1-g	10-g					
Bottom Side	661/1880	GPRS 2TS	2.730	1.150	-0.180	27.55	28.50	1.431	20.3°C

Table 162: 10-g Extremity SAR results of GSM1900

7.2.12 SAR measurement Result of UMTS Band II (Main Antenna)

Test Position of Head	Test channel /Freq.(MHz)	Test Mode	SAR Value (W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Scaled SAR1-g (W/kg)	Liquid Temp.
			1-g	10-g					
Left Hand Touched	9400/1880	RMC	0.120	0.077	0.190	22.77	23.00	0.127	22.0°C
Left Hand Tilted 15°	9400/1880	RMC	0.113	0.068	0.110	22.77	23.00	0.119	22.0°C
Right Hand Touched	9400/1880	RMC	0.136	0.088	0.110	22.77	23.00	0.143	22.0°C
Right Hand Tilted 15°	9400/1880	RMC	0.072	0.040	0.040	22.77	23.00	0.076	22.0°C
Right Hand Touched	9262/1852.4	RMC	0.117	0.071	0.120	22.77	23.00	0.123	22.0°C
Right Hand Touched	9538/1907.6	RMC	0.104	0.073	0.160	22.71	23.00	0.111	22.0°C

Table 163: Head SAR test results of UMTS Band II

Test Position of Body-Worn with 15mm	Test channel / Freq.(MHz)	Test Mode	SAR Value (W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Scaled SAR1-g (W/kg)	Liquid Temp.
			1-g	10-g					
Front Side	9400/1880	RMC	0.652	0.385	0.040	22.77	23.00	0.687	22.0°C
Back Side	9400/1880	RMC	0.639	0.381	0.010	22.77	23.00	0.674	22.0°C

Table 164: Body-Worn SAR test results of UMTS Band II

Test Position of Hotspot with 10mm	Test channel / Freq.(MHz)	Test Mode	SAR Value (W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Scaled SAR1-g (W/kg)	Liquid Temp.
			1-g	10-g					
Front Side	9400/1880	RMC	0.527	0.294	-0.020	19.85	20.00	0.546	21.5°C
Back Side	9400/1880	RMC	0.576	0.323	-0.130	19.85	20.00	0.596	21.5°C
Left Side	9400/1880	RMC	0.083	0.046	0.190	19.85	20.00	0.086	21.5°C
Right Side	9400/1880	RMC	0.033	0.018	0.130	19.85	20.00	0.034	21.5°C
Bottom Side	9400/1880	RMC	0.705	0.379	0.090	19.85	20.00	0.730	21.5°C
Bottom Side	9262/1852.4	RMC	0.803	0.434	0.070	19.80	20.00	0.841	21.5°C
Bottom Side-reteaped	9262/1852.5	RMC	0.744	0.402	0.070	19.80	20.00	0.779	21.5°C
Bottom Side	9538/1907.6	RMC	0.750	0.403	0.050	19.84	20.00	0.778	21.5°C

Table 165: Hotspot SAR test results of UMTS Band II

Per KDB648474D04, when hotspot mode applies, 10-g extremity SAR is required only for the surfaces and edges with hotspot mode 1-g reported SAR > 1.2 W/kg; however, when power reduction applies to hotspot mode the measured SAR must be scaled to the maximum output power, including tolerance, allowed for phablet modes to compare with the 1.2 W/kg SAR test reduction threshold:

Test Position of Hotspot with 10mm	Test channel /Freq.	Test Mode	SAR Value (W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Scaled SAR1-g (W/kg)	10-g Extremity SAR Exclusion
			1-g	10-g					
Front Side	9400/1880	RMC	0.527	0.294	-0.020	19.85	23.00	1.088	Yes
Back Side	9400/1880	RMC	0.576	0.323	-0.130	19.85	23.00	1.190	Yes
Left Side	9400/1880	RMC	0.083	0.046	0.190	19.85	23.00	0.171	Yes
Right Side	9400/1880	RMC	0.033	0.018	0.130	19.85	23.00	0.067	Yes
Bottom Side	9400/1880	RMC	0.705	0.379	0.090	19.85	23.00	1.456	No
Bottom Side	9262/1852.4	RMC	0.803	0.434	0.070	19.80	23.00	1.678	No
Bottom Side-reteaped	9262/1852.5	RMC	0.744	0.402	0.070	19.80	23.00	1.554	No
Bottom Side	9538/1907.6	RMC	0.750	0.403	0.050	19.84	23.00	1.553	No

Table 166: 10-g Extremity SAR test reduction evaluation of UMTS Band II

Note : According to the table above , 10-g Extremity SAR test is required for this frequency band.

According to the table above , only **Bottom Side** 10-g Extremity SAR test are required for this frequency band:

Test Position of 10-g Extremity with 0mm	Test channel /Freq.	Test Mode	SAR Value (W/kg)		Power Drift (dB)	Conducte d Power (dBm)	Tune-up Power (dBm)	Scaled 10-g SAR (W/kg)	Liquid Temp.
			1-g	10-g					
Bottom Side	9400/1880	RMC	3.010	1.380	-0.190	22.77	23.00	1.455	22.0°C

Table 167: 10-g Extremity SAR results of UMTS Band II

7.2.13 SAR measurement Result of UMTS Band IV (Main Antenna)

Test Position of Head	Test channel / Freq.(MHz)	Test Mode	SAR Value (W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Scaled SAR1-g (W/kg)	Liquid Temp.
			1-g	10-g					
Left Hand Touched	1413/1732.6	RMC	0.081	0.053	0.070	22.50	23.00	0.091	21.5°C
Left Hand Tilted 15°	1413/1732.6	RMC	0.028	0.016	0.130	22.50	23.00	0.031	21.5°C
Right Hand Touched	1413/1732.6	RMC	0.085	0.055	0.050	22.50	23.00	0.095	21.5°C
Right Hand Tilted 15°	1413/1732.6	RMC	0.050	0.025	0.130	22.50	23.00	0.056	21.5°C
Right Hand Touched	1312/1712.4	RMC	0.089	0.057	0.070	22.42	23.00	0.102	21.5°C
Right Hand Touched	1513/1752.6	RMC	0.107	0.068	0.170	22.50	23.00	0.120	21.5°C

Table 168: Head SAR test results of UMTS Band IV

Test Position of Body-Worn with 15mm	Test channel / Freq.(MHz)	Test Mode	SAR Value (W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Scaled SAR1-g (W/kg)	Liquid Temp.
			1-g	10-g					
Front Side	1413/1732.6	RMC	0.470	0.273	0.000	22.50	23.00	0.527	21.8°C
Back Side	1413/1732.6	RMC	0.454	0.267	0.030	22.50	23.00	0.509	21.8°C

Table 169: Body-Worn SAR test results of UMTS Band IV

Test Position of Hotspot with 10mm	Test channel / Freq.(MHz)	Test Mode	SAR Value (W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Scaled SAR1-g (W/kg)	Liquid Temp.
			1-g	10-g					
Front Side	1413/1732.6	RMC	0.633	0.354	0.100	19.42	20.00	0.723	21.8°C
Back Side	1413/1732.6	RMC	0.684	0.387	0.170	19.42	20.00	0.782	21.8°C
Back Side	1312/1712.4	RMC	0.541	0.309	-0.050	19.46	20.00	0.613	21.8°C
Back Side	1513/1752.6	RMC	0.634	0.361	-0.070	19.37	20.00	0.733	21.8°C
Left Side	1413/1732.6	RMC	0.141	0.081	-0.030	19.42	20.00	0.161	21.8°C
Right Side	1413/1732.6	RMC	0.062	0.035	0.130	19.42	20.00	0.071	21.8°C
Bottom Side	1413/1732.6	RMC	0.950	0.520	-0.040	19.42	20.00	1.086	21.8°C
Bottom Side-reteaped	1413/1732.6	RMC	1.000	0.548	0.010	19.42	20.00	1.143	21.8°C
Bottom Side	1312/1712.4	RMC	0.920	0.504	-0.050	19.46	20.00	1.042	21.8°C
Bottom Side	1513/1752.6	RMC	0.902	0.492	-0.050	19.37	20.00	1.043	21.8°C

Table 170: Hotspot SAR test results of UMTS Band IV

Per KDB648474D04, when hotspot mode applies, 10-g extremity SAR is required only for the surfaces and edges with hotspot mode 1-g reported SAR > 1.2 W/kg; however, when power reduction applies to hotspot mode the measured SAR must be scaled to the maximum output power, including tolerance, allowed for phablet modes to compare with the 1.2 W/kg SAR test reduction threshold:

Test Position of Hotspot with 10mm	Test channel /Freq.	Test Mode	SAR Value (W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Scaled SAR1-g (W/kg)	10-g Extremity SAR Exclusion
			1-g	10-g					
Front Side	1413/1732.6	RMC	0.633	0.354	0.100	19.42	23.00	1.443	No
Back Side	1413/1732.6	RMC	0.684	0.387	0.170	19.42	23.00	1.560	No
Back Side	1312/1712.4	RMC	0.541	0.309	-0.050	19.46	23.00	1.222	No
Back Side	1513/1752.6	RMC	0.634	0.361	-0.070	19.37	23.00	1.462	No
Left Side	1413/1732.6	RMC	0.141	0.081	-0.030	19.42	23.00	0.322	Yes
Right Side	1413/1732.6	RMC	0.062	0.035	0.130	19.42	23.00	0.141	Yes
Bottom Side	1413/1732.6	RMC	0.950	0.520	-0.040	19.42	23.00	2.166	No
Bottom Side-reteaped	1413/1732.6	RMC	1.000	0.548	0.010	19.42	23.00	2.280	No
Bottom Side	1312/1712.4	RMC	0.920	0.504	-0.050	19.46	23.00	2.079	No
Bottom Side	1513/1752.6	RMC	0.902	0.492	-0.050	19.37	23.00	2.081	No

Table 171: 10-g Extremity SAR test reduction evaluation of UMTS Band IV

Note : According to the table above , 10-g Extremity SAR test is required for this frequency band.

According to the table above , only **Front Side** and **Back Side** and **Bottom side** 10-g Extremity SAR test are required for this frequency band:

Test Position of 10-g Extremity with 0mm	Test channel /Freq.	Test Mode	SAR Value (W/kg)		Power Drift (dB)	Conducte d Power (dBm)	Tune-up Power (dBm)	Scaled 10-g SAR (W/kg)	Liquid Temp.
			1-g	10-g					
Front Side	1413/1732.6	RMC	6.230	2.780	0.120	22.50	23.00	3.119	21.8°C
Front Side	1312/1712.4	RMC	6.500	2.900	0.080	22.42	23.00	3.314	21.8°C
Front Side	1513/1752.6	RMC	7.200	3.200	-0.130	22.50	23.00	3.590	21.8°C
Front Side-repeated	1513/1752.6	RMC	6.940	3.040	0.130	22.50	23.00	3.411	21.8°C
Back Side	1413/1732.6	RMC	5.730	2.530	0.190	22.50	23.00	2.839	21.8°C
Back Side	1312/1712.4	RMC	6.070	2.690	0.030	22.42	23.00	3.074	21.8°C
Back Side	1513/1752.6	RMC	6.790	2.970	-0.160	22.50	23.00	3.332	21.8°C
Bottom Side	1413/1732.6	RMC	5.040	2.090	0.120	22.50	23.00	2.345	21.8°C
Bottom Side	1312/1712.4	RMC	5.810	2.340	-0.060	22.42	23.00	2.674	21.8°C
Bottom Side	1513/1752.6	RMC	5.240	2.090	-0.170	22.50	23.00	2.345	21.8°C

Table 172: 10-g Extremity SAR results of UMTS Band IV

7.2.14 SAR measurement Result of UMTS Band V (Main Antenna)

Test Position of Head	Test channel / Freq.(MHz)	Test Mode	SAR Value (W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Scaled SAR1-g (W/kg)	Liquid Temp.
			1-g	10-g					
Left Hand Touched	4182/836.4	RMC	0.227	0.178	0.070	23.66	24.50	0.275	21.4°C
Left Hand Tilted 15°	4182/836.4	RMC	0.216	0.140	0.110	23.66	24.50	0.262	21.4°C
Right Hand Touched	4182/836.4	RMC	0.299	0.230	0.150	23.66	24.50	0.363	21.4°C
Right Hand Tilted 15°	4182/836.4	RMC	0.167	0.112	-0.070	23.66	24.50	0.203	21.4°C
Right Hand Touched	4132/826.4	RMC	0.292	0.229	0.040	23.52	24.50	0.366	21.4°C
Right Hand Touched	4233/846.6	RMC	0.330	0.258	0.170	23.64	24.50	0.402	21.4°C

Table 173: Head SAR test results of UMTS Band V

Test Position of Body-Worn with 15mm	Test channel / Freq.(MHz)	Test Mode	SAR Value (W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Scaled SAR1-g (W/kg)	Liquid Temp.
			1-g	10-g					
Front Side	4182/836.4	RMC	0.243	0.185	-0.020	23.66	24.50	0.295	21.5°C
Back Side	4182/836.4	RMC	0.263	0.201	0.000	23.66	24.50	0.319	21.5°C

Table 174: Body-Worn SAR test results of UMTS Band V

Test Position of Hotspot with 10mm	Test channel / Freq.(MHz)	Test Mode	SAR Value (W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Scaled SAR1-g (W/kg)	Liquid Temp.
			1-g	10-g					
Front Side	4182/836.4	RMC	0.343	0.218	-0.090	22.10	22.50	0.376	21.5°C
Back Side	4182/836.4	RMC	0.382	0.221	0.010	22.10	22.50	0.419	21.5°C
Left Side	4182/836.4	RMC	0.158	0.106	0.000	22.10	22.50	0.173	21.5°C
Right Side	4182/836.4	RMC	0.367	0.247	0.050	22.10	22.50	0.402	21.5°C
Bottom Side	4182/836.4	RMC	0.247	0.131	-0.190	22.10	22.50	0.271	21.5°C

Table 175: Hotspot SAR test results of UMTS Band V

Per KDB648474D04, when hotspot mode applies, 10-g extremity SAR is required only for the surfaces and edges with hotspot mode 1-g reported SAR > 1.2 W/kg; however, when power reduction applies to hotspot mode the measured SAR must be scaled to the maximum output power, including tolerance, allowed for phablet modes to compare with the 1.2 W/kg SAR test reduction threshold:

Test Position of Hotspot with 10mm	Test channel /Freq.	Test Mode	SAR Value (W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Scaled SAR1-g (W/kg)	10-g Extremity SAR Exclusion
			1-g	10-g					
Front Side	4182/836.4	RMC	0.343	0.218	-0.090	22.10	24.50	0.596	No
Back Side	4182/836.4	RMC	0.382	0.221	0.010	22.10	24.50	0.664	No
Left Side	4182/836.4	RMC	0.158	0.106	0.000	22.10	24.50	0.275	No
Right Side	4182/836.4	RMC	0.367	0.247	0.050	22.10	24.50	0.638	No
Bottom Side	4182/836.4	RMC	0.247	0.131	-0.190	22.10	24.50	0.429	No

Table 176: 10-g Extremity SAR test reduction evaluation of UMTS Band V

Note : According to the table above , 10-g Extremity SAR test is not required for this frequency band.

7.2.15 SAR measurement Result of CDMA BC0 (Main Antenna)

Test Position of Head	Test channel / Freq.(MHz)	Test Mode	SAR Value (W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Scaled SAR _{1-g} (W/kg)	Liquid Temp.
			1-g	10-g					
Left Hand Touched	384/836.52	RC3 SO55	0.277	0.191	-0.170	24.09	25.00	0.342	21.4°C
Left Hand Tilted 15°	384/836.52	RC3 SO55	0.267	0.193	-0.030	24.09	25.00	0.329	21.4°C
Right Hand Touched	384/836.52	RC3 SO55	0.330	0.255	-0.060	24.09	25.00	0.407	21.4°C
Right Hand Tilted 15°	384/836.52	RC3 SO55	0.209	0.142	0.090	24.09	25.00	0.258	21.4°C
Right Hand Touched	1013/824.7	RC3 SO55	0.309	0.240	0.070	24.08	25.00	0.382	21.4°C
Right Hand Touched	777/848.31	RC3 SO55	0.372	0.288	-0.010	24.10	25.00	0.458	21.4°C

Table 177: Head SAR test results of CDMA BC0

Test Position of Body-Worn with 15mm	Test channel / Freq.(MHz)	Test Mode	SAR Value (W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Scaled SAR _{1-g} (W/kg)	Liquid Temp.
			1-g	10-g					
Front Side	384/836.52	RC3 SO32	0.273	0.208	-0.010	24.08	25.00	0.337	21.5°C
Back Side	384/836.52	RC3 SO32	0.332	0.254	-0.080	24.08	25.00	0.410	21.5°C

Table 178: Body-Worn SAR test results of CDMA BC0

Test Position of Hotspot with 10mm	Test channel / Freq.(MHz)	Test Mode	SAR Value (W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Scaled SAR _{1-g} (W/kg)	Liquid Temp.
			1-g	10-g					
Front Side	384/836.52	Rev.0	0.548	0.313	0.020	21.65	22.50	0.666	21.5°C
Back Side	384/836.52	Rev.0	0.551	0.315	0.070	21.65	22.50	0.670	21.5°C
Left Side	384/836.52	Rev.0	0.241	0.160	-0.040	21.65	22.50	0.293	21.5°C
Right Side	384/836.52	Rev.0	0.465	0.311	0.060	21.65	22.50	0.566	21.5°C
Bottom Side	384/836.52	Rev.0	0.318	0.157	-0.070	21.65	22.50	0.387	21.5°C

Table 179: Hotspot SAR test results of CDMA BC 0

Per KDB648474D04, when hotspot mode applies, 10-g extremity SAR is required only for the surfaces and edges with hotspot mode 1-g reported SAR > 1.2 W/kg; however, when power reduction applies to hotspot mode the measured SAR must be scaled to the maximum output power, including tolerance, allowed for phablet modes to compare with the 1.2 W/kg SAR test reduction threshold:

Test Position of Hotspot with 10mm	Test channel /Freq.	Test Mode	SAR Value (W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Scaled SAR1-g (W/kg)	10-g Extremity SAR Exclusion
			1-g	10-g					
Front Side	384/836.52	Rev.0	0.548	0.313	0.020	21.65	25.00	1.185	No
Back Side	384/836.52	Rev.0	0.551	0.315	0.070	21.65	25.00	1.192	No
Left Side	384/836.52	Rev.0	0.241	0.160	-0.040	21.65	25.00	0.521	No
Right Side	384/836.52	Rev.0	0.465	0.311	0.060	21.65	25.00	1.006	No
Bottom Side	384/836.52	Rev.0	0.318	0.157	-0.070	21.65	25.00	0.688	No

Table 180: 10-g Extremity SAR test reduction evaluation of CDMA BC 0

Note : According to the table above , 10-g Extremity SAR test is not required for this frequency band.

7.2.16 SAR measurement Result of CDMA BC 1 (Main Antenna)

Test Position of Head	Test channel / Freq.(MHz)	Test Mode	SAR Value (W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Scaled SAR _{1-g} (W/kg)	Liquid Temp.
			1-g	10-g					
Left Hand Touched	600/1880	RC3 SO55	0.108	0.070	0.040	23.28	23.70	0.119	22.0°C
Left Hand Tilted 15°	600/1880	RC3 SO55	0.081	0.046	0.130	23.28	23.70	0.089	22.0°C
Right Hand Touched	600/1880	RC3 SO55	0.117	0.075	0.040	23.28	23.70	0.129	22.0°C
Right Hand Tilted 15°	600/1880	RC3 SO55	0.077	0.043	0.050	23.28	23.70	0.084	22.0°C
Right Hand Touched	25/1851.25	RC3 SO55	0.139	0.090	-0.080	23.38	23.70	0.150	22.0°C
Right Hand Touched	1175/1908.75	RC3 SO55	0.106	0.068	0.020	23.24	23.70	0.118	22.0°C

Table 181: Head SAR test results of CDMA BC1

Test Position of Body-Worn with 15mm	Test channel / Freq.(MHz)	Test Mode	SAR Value (W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Scaled SAR _{1-g} (W/kg)	Liquid Temp.
			1-g	10-g					
Front Side	600/1880	RC3 SO32	0.616	0.361	0.050	23.34	23.70	0.669	22.0°C
Back Side	600/1880	RC3 SO32	0.546	0.327	0.090	23.34	23.70	0.593	22.0°C

Table 182: Body-Worn SAR test results of CDMA BC 1

Test Position of Hotspot with 10mm	Test channel / Freq.(MHz)	Test Mode	SAR Value (W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Scaled SAR _{1-g} (W/kg)	Liquid Temp.
			1-g	10-g					
Front Side	600/1880	Rev.0	0.460	0.247	0.180	18.66	20.00	0.626	21.4°C
Back Side	600/1880	Rev.0	0.524	0.292	0.120	18.66	20.00	0.713	21.4°C
Left Side	600/1880	Rev.0	0.079	0.045	0.030	18.66	20.00	0.107	21.4°C
Right Side	600/1880	Rev.0	0.029	0.017	0.130	18.66	20.00	0.039	21.4°C
Bottom Side	600/1880	Rev.0	0.745	0.398	-0.180	18.66	20.00	1.014	21.4°C
Bottom Side	25/1851.25	Rev.0	0.900	0.486	0.030	18.67	20.00	1.222	21.4°C
Bottom Side-repeated	25/1851.25	Rev.0	0.904	0.489	-0.140	18.67	20.00	1.228	21.4°C
Bottom Side	1175/1908.75	Rev.0	0.841	0.450	-0.120	18.55	20.00	1.174	21.4°C

Table 183: Hotspot SAR test results of CDMA BC 1

Per KDB648474D04, when hotspot mode applies, 10-g extremity SAR is required only for the surfaces and edges with hotspot mode 1-g reported SAR > 1.2 W/kg; however, when power reduction applies to hotspot mode the measured SAR must be scaled to the maximum output power, including tolerance, allowed for phablet modes to compare with the 1.2 W/kg SAR test reduction threshold:

Test Position of Hotspot with 10mm	Test channel /Freq.	Test Mode	SAR Value (W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Scaled SAR1-g (W/kg)	10-g Extremity SAR Exclusion
			1-g	10-g					
Front Side	600/1880	Rev.0	0.460	0.247	0.180	18.66	23.70	1.468	No
Back Side	600/1880	Rev.0	0.524	0.292	0.120	18.66	23.70	1.672	No
Left Side	600/1880	Rev.0	0.079	0.045	0.030	18.66	23.70	0.251	Yes
Right Side	600/1880	Rev.0	0.029	0.017	0.130	18.66	23.70	0.092	Yes
Bottom Side	600/1880	Rev.0	0.745	0.398	-0.180	18.66	23.70	2.378	No
Bottom Side	25/1851.25	Rev.0	0.900	0.486	0.030	18.67	23.70	2.866	No
Bottom Side-repeated	25/1851.25	Rev.0	0.904	0.489	-0.140	18.67	23.70	2.879	No
Bottom Side	1175/1908.75	Rev.0	0.841	0.450	-0.120	18.55	23.70	2.753	No

Table 184: 10-g Extremity SAR test reduction evaluation of CDMA BC1

Note : According to the table above , 10-g Extremity SAR test is required for this frequency band.

According to the table above , only **Front Side** and **Back Side** and **Bottom Side** 10-g Extremity SAR test are required for this frequency band:

Test Position of 10-g Extremity with 0mm	Test channel /Freq.	Test Mode	SAR Value (W/kg)		Power Drift (dB)	Conducte d Power (dBm)	Tune-up Power (dBm)	Scaled 10-g SAR (W/kg)	Liquid Temp.
			1-g	10-g					
Front Side	600/1880	Rev.0	5.590	2.650	0.180	23.32	23.70	2.892	22.0°C
Front Side	25/1851.25	Rev.0	5.570	2.650	0.190	23.42	23.70	2.826	22.0°C
Front Side	1175/1908.75	Rev.0	5.550	2.660	0.090	23.28	23.70	2.930	22.0°C
Back Side	600/1880	Rev.0	6.880	3.080	0.120	23.32	23.70	3.362	22.0°C
Back Side	25/1851.25	Rev.0	6.620	3.020	0.130	23.42	23.70	3.221	22.0°C
Back Side	1175/1908.75	Rev.0	7.140	3.140	0.140	23.28	23.70	3.459	22.0°C
Back Side-reteaped	1175/1908.75	Rev.0	7.230	3.170	0.090	23.28	23.70	3.492	22.0°C
Bottom Side	600/1880	Rev.0	3.260	1.470	-0.050	23.32	23.70	1.604	22.0°C

Table 185: 10-g Extremity SAR results of CDMA BC 1

7.2.17 SAR measurement Result of CDMA BC 10 (Main Antenna)

Test Position of Head	Test channel / Freq.(MHz)	Test Mode	SAR Value (W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Scaled SAR _{1-g} (W/kg)	Liquid Temp.
			1-g	10-g					
Left Hand Touched	565/820.125	RC3 SO55	0.225	0.176	0.080	24.20	25.00	0.271	21.4°C
Left Hand Tilted 15°	565/820.125	RC3 SO55	0.186	0.129	-0.100	24.20	25.00	0.224	21.4°C
Right Hand Touched	565/820.125	RC3 SO55	0.261	0.204	0.120	24.20	25.00	0.314	21.4°C
Right Hand Tilted 15°	565/820.125	RC3 SO55	0.241	0.185	-0.040	24.20	25.00	0.290	21.4°C
Right Hand Touched	450/817.25	RC3 SO55	0.239	0.187	0.140	24.15	25.00	0.291	21.4°C
Right Hand Touched	670/822.75	RC3 SO55	0.247	0.193	-0.050	24.13	25.00	0.302	21.4°C

Table 186: Head SAR test results of CDMA BC 10

Test Position of Body-Worn with 15mm	Test channel / Freq.(MHz)	Test Mode	SAR Value (W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Scaled SAR _{1-g} (W/kg)	Liquid Temp.
			1-g	10-g					
Front Side	565/820.125	RC3 SO32	0.272	0.209	-0.020	24.15	25.00	0.331	21.5°C
Back Side	565/820.125	RC3 SO32	0.359	0.276	0.080	24.15	25.00	0.437	21.5°C

Table 187: Body-Worn SAR test results of CDMA BC 10

Test Position of Hotspot with 10mm	Test channel / Freq.(MHz)	Test Mode	SAR Value (W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Scaled SAR _{1-g} (W/kg)	Liquid Temp.
			1-g	10-g					
Front Side	565/820.125	Rev.0	0.202	0.128	0.020	21.45	22.50	0.257	21.5°C
Back Side	565/820.125	Rev.0	0.224	0.129	0.000	21.45	22.50	0.285	21.5°C
Left Side	565/820.125	Rev.0	0.113	0.076	-0.170	21.45	22.50	0.144	21.5°C
Right Side	565/820.125	Rev.0	0.242	0.165	-0.020	21.45	22.50	0.308	21.5°C
Bottom Side	565/820.125	Rev.0	0.135	0.074	0.010	21.45	22.50	0.172	21.5°C

Table 188: Hotspot SAR test results of CDMA BC 10

Per KDB648474D04, when hotspot mode applies, 10-g extremity SAR is required only for the surfaces and edges with hotspot mode 1-g reported SAR > 1.2 W/kg; however, when power reduction applies to hotspot mode the measured SAR must be scaled to the maximum output power, including tolerance, allowed for phablet modes to compare with the 1.2 W/kg SAR test reduction threshold:

Test Position of Hotspot with 10mm	Test channel /Freq.	Test Mode	SAR Value (W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Scaled SAR1-g (W/kg)	10-g Extremity SAR Exclusion
			1-g	10-g					
Front Side	565/820.125	Rev.0	0.202	0.128	0.020	21.45	25.00	0.457	No
Back Side	565/820.125	Rev.0	0.224	0.129	0.000	21.45	25.00	0.507	No
Left Side	565/820.125	Rev.0	0.113	0.076	-0.170	21.45	25.00	0.256	No
Right Side	565/820.125	Rev.0	0.242	0.165	-0.020	21.45	25.00	0.548	No
Bottom Side	565/820.125	Rev.0	0.135	0.074	0.010	21.45	25.00	0.306	No

Table 189: 10-g Extremity SAR test reduction evaluation of CDMA BC 10

Note : According to the table above , 10-g Extremity SAR test is not required for this frequency band.

7.2.18 SAR measurement Result of LTE Band II (Main Antenna)

Test Position of Head	Test channel / Freq.(MHz)	Test Mode	SAR Value (W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Scaled SAR _{1-g} (W/kg)	Liquid Temp.
			1-g	10-g					
1RB									
Left Hand Touched	18700/1860	20M QPSK 1RB#0	0.171	0.106	0.110	22.55	22.80	0.181	22.0°C
Left Hand Tilted 15°	18700/1860	20M QPSK 1RB#0	0.113	0.062	0.060	22.55	22.80	0.120	22.0°C
Right Hand Touched	18700/1860	20M QPSK 1RB#0	0.149	0.096	-0.190	22.55	22.80	0.158	22.0°C
Right Hand Tilted 15°	18700/1860	20M QPSK 1RB#0	0.102	0.058	0.100	22.55	22.80	0.108	22.0°C
Left Hand Touched	18900/1880	20M QPSK 1RB#0	0.137	0.087	0.090	22.40	22.80	0.150	22.0°C
Left Hand Touched	19100/1900	20M QPSK 1RB#0	0.124	0.072	0.040	22.43	22.80	0.135	22.0°C
50%RB									
Left Hand Touched	19100/1900	20M QPSK 50%RB#0	0.102	0.059	0.150	21.05	21.80	0.121	22.0°C
Left Hand Tilted 15°	19100/1900	20M QPSK 50%RB#0	0.055	0.030	0.050	21.05	21.80	0.065	22.0°C
Right Hand Touched	19100/1900	20M QPSK 50%RB#0	0.094	0.054	-0.140	21.05	21.80	0.111	22.0°C
Right Hand Tilted 15°	19100/1900	20M QPSK 50%RB#0	0.055	0.031	0.200	21.05	21.80	0.066	22.0°C

Table 190: Head SAR test results of LTE Band II

Test Position of Body-Worn with 15mm	Test channel / Freq.(MHz)	Test Mode	SAR Value (W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Scaled SAR _{1-g} (W/kg)	Liquid Temp.
			1-g	10-g					
1RB									
Front Side	18700/1860	20M QPSK 1RB#0	0.706	0.425	0.000	22.55	22.80	0.748	22.0°C
Back Side	18700/1860	20M QPSK 1RB#0	0.767	0.458	-0.030	22.55	22.80	0.812	22.0°C
Back Side	18900/1880	20M QPSK 1RB#0	0.739	0.444	0.050	22.40	22.80	0.810	22.0°C
Back Side	19100/1900	20M QPSK 1RB#0	0.710	0.423	0.180	22.43	22.80	0.773	22.0°C
50%RB									
Front Side	19100/1900	20M QPSK 50%RB#0	0.417	0.241	-0.030	21.05	21.80	0.496	22.0°C
Back Side	19100/1900	20M QPSK 50%RB#0	0.455	0.259	-0.020	21.05	21.80	0.541	22.0°C
100%RB									
Back Side	18700/1860	20M QPSK 100%RB#0	0.501	0.284	0.130	20.98	21.80	0.605	22.0°C

Table 191: Body-Worn SAR test results of LTE Band II

Test Position of Hotspot with 10mm	Test channel / Freq.(MHz)	Test Mode	SAR Value (W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Scaled SAR _{1-g} (W/kg)	Liquid Temp.
			1-g	10-g					
1RB									
Front Side	18900/1880	20M QPSK 1RB#0	0.484	0.265	0.120	19.47	20.00	0.547	21.4°C
Back Side	18900/1880	20M QPSK 1RB#0	0.470	0.269	-0.080	19.47	20.00	0.531	21.4°C
Left Side	18900/1880	20M QPSK 1RB#0	0.111	0.063	-0.170	19.47	20.00	0.125	21.4°C
Right Side	18900/1880	20M QPSK 1RB#0	0.043	0.025	0.160	19.47	20.00	0.049	21.4°C
Bottom Side	18900/1880	20M QPSK 1RB#0	0.796	0.425	-0.130	19.47	20.00	0.899	21.4°C
Bottom Side	18700/1860	20M QPSK 1RB#0	0.929	0.498	-0.050	19.43	20.00	1.059	21.4°C
Bottom Side-reteaped	18700/1860	20M QPSK 1RB#0	1.000	0.538	-0.060	19.43	20.00	1.140	21.4°C
Bottom Side	19100/1900	20M QPSK 1RB#0	0.869	0.463	-0.010	19.34	20.00	1.012	21.4°C
50%RB									
Front Side	18700/1860	20M QPSK 50%RB#0	0.457	0.247	0.120	19.18	20.00	0.552	21.4°C
Back Side	18700/1860	20M QPSK 50%RB#0	0.450	0.258	0.130	19.18	20.00	0.544	21.4°C
Left Side	18700/1860	20M QPSK 50%RB#0	0.104	0.059	-0.006	19.18	20.00	0.126	21.4°C
Right Side	18700/1860	20M QPSK 50%RB#0	0.044	0.025	0.170	19.18	20.00	0.053	21.4°C
Bottom Side	18700/1860	20M QPSK 50%RB#0	0.806	0.430	-0.080	19.18	20.00	0.973	21.4°C
Bottom Side	18900/1880	20M QPSK 50%RB#0	0.755	0.402	-0.070	19.11	20.00	0.927	21.4°C
Bottom Side	19100/1900	20M QPSK 50%RB#0	0.762	0.405	-0.040	19.04	20.00	0.951	21.4°C
100%RB									
Bottom Side	18700/1860	20M QPSK 100%RB#0	0.787	0.420	-0.050	19.05	20.00	0.979	21.4°C

Table 192: Hotspot SAR test results of LTE Band II

Per KDB648474D04, when hotspot mode applies, 10-g extremity SAR is required only for the surfaces and edges with hotspot mode 1-g reported SAR > 1.2 W/kg; however, when power reduction applies to hotspot mode the measured SAR must be scaled to the maximum output power, including tolerance, allowed for phablet modes to compare with the 1.2 W/kg SAR test reduction threshold:

Test Position of Hotspot with 10mm	Test channel / Freq.(MHz)	Test Mode	SAR Value (W/kg)		Power Drift (dB)	Conduct Power (dBm)	Tune-up Power (dBm)	Scaled SAR _{1-g} (W/kg)	10-g Extremity SAR Exclusion
			1-g	10-g					
1RB									
Front Side	18900/1880	20M QPSK 1RB#0	0.484	0.265	0.120	19.47	22.80	1.042	Yes
Back Side	18900/1880	20M QPSK 1RB#0	0.470	0.269	-0.080	19.47	22.80	1.012	Yes
Left Side	18900/1880	20M QPSK 1RB#0	0.111	0.063	-0.170	19.47	22.80	0.239	Yes
Right Side	18900/1880	20M QPSK 1RB#0	0.043	0.025	0.160	19.47	22.80	0.093	Yes
Bottom Side	18900/1880	20M QPSK 1RB#0	0.796	0.425	-0.130	19.47	22.80	1.714	No
Bottom Side	18700/1860	20M QPSK 1RB#0	0.929	0.498	-0.050	19.43	22.80	2.018	No
Bottom Side-reteaped	18700/1860	20M QPSK 1RB#0	1.000	0.538	-0.060	19.43	22.80	2.173	No
Bottom Side	19100/1900	20M QPSK 1RB#0	0.869	0.463	-0.010	19.34	22.80	1.928	No
50%RB									
Front Side	18700/1860	20M QPSK 50%RB#0	0.457	0.247	0.120	19.18	21.80	0.835	Yes
Back Side	18700/1860	20M QPSK 50%RB#0	0.450	0.258	0.130	19.18	21.80	0.823	Yes
Left Side	18700/1860	20M QPSK 50%RB#0	0.104	0.059	-0.006	19.18	21.80	0.190	Yes
Right Side	18700/1860	20M QPSK 50%RB#0	0.044	0.025	0.170	19.18	21.80	0.080	Yes
Bottom Side	18700/1860	20M QPSK 50%RB#0	0.806	0.430	-0.080	19.18	21.80	1.473	No
Bottom Side	18900/1880	20M QPSK 50%RB#0	0.755	0.402	-0.070	19.11	21.80	1.403	No
Bottom Side	19100/1900	20M QPSK 50%RB#0	0.762	0.405	-0.040	19.04	21.80	1.439	No
100%RB									
Bottom Side	18700/1860	20M QPSK 100%RB#0	0.787	0.420	-0.050	19.05	21.80	1.482	No

Table 193: 10-g Extremity SAR test reduction evaluation of LTE Band II

Note : According to the table above , 10-g Extremity SAR test is required for this frequency band.

According to the table above , only **Bottom Side** 10-g Extremity SAR test are required for this frequency band:

Test Position of 10-g Extremity with 0mm	Test channel / Freq.(MHz)	Test Mode	SAR Value (W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Scaled SAR _{10-g} (W/kg)	Liquid Temp.
			1-g	10-g					
1RB									
Bottom Side	18700/1860	20M QPSK 1RB#0	3.370	1.360	0.050	22.55	22.80	1.441	22.0°C
50%RB									
Bottom Side	19100/1900	20M QPSK 50%RB#0	2.110	0.884	-0.170	21.05	21.80	1.051	22.0°C

Table 194: 10-g Extremity SAR results of LTE Band II

7.2.19 SAR measurement Result of LTE Band IV (Main Antenna)

Test Position of Head	Test channel / Freq.(MHz)	Test Mode	SAR Value (W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Scaled SAR _{1-g} (W/kg)	Liquid Temp.
			1-g	10-g					
1RB									
Left Hand Touched	20175/1732.5	20M QPSK 1RB#0	0.105	0.068	0.090	22.67	23.00	0.113	21.5°C
Left Hand Touched	20050/1720	20M QPSK 1RB#0	0.091	0.059	0.160	22.42	23.00	0.104	21.5°C
Left Hand Touched	20300/1745	20M QPSK 1RB#0	0.093	0.061	0.110	22.66	23.00	0.100	21.5°C
Left Hand Tilted 15°	20175/1732.5	20M QPSK 1RB#0	0.030	0.020	0.150	22.67	23.00	0.032	21.5°C
Right Hand Touched	20175/1732.5	20M QPSK 1RB#0	0.099	0.065	0.090	22.67	23.00	0.107	21.5°C
Right Hand Tilted 15°	20175/1732.5	20M QPSK 1RB#0	0.040	0.026	-0.030	22.67	23.00	0.043	21.5°C
50%RB									
Left Hand Touched	20175/1732.5	20M QPSK 50%RB#0	0.060	0.042	0.120	21.12	22.00	0.073	21.5°C
Left Hand Tilted 15°	20175/1732.5	20M QPSK 50%RB#0	0.020	0.012	0.120	21.12	22.00	0.025	21.5°C
Right Hand Touched	20175/1732.5	20M QPSK 50%RB#0	0.063	0.041	0.050	21.12	22.00	0.077	21.5°C
Right Hand Tilted 15°	20175/1732.5	20M QPSK 50%RB#0	0.031	0.017	0.130	21.12	22.00	0.038	21.5°C

Table 195: Head SAR test results of LTE Band IV

Test Position of Body-Worn with 15mm	Test channel / Freq.(MHz)	Test Mode	SAR Value (W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Scaled SAR _{1-g} (W/kg)	Liquid Temp.
			1-g	10-g					
1RB									
Front Side	20175/1732.5	20M QPSK 1RB#0	0.474	0.282	0.060	22.67	23.00	0.511	21.8°C
Back Side	20175/1732.5	20M QPSK 50%RB#0	0.517	0.304	0.100	22.67	23.00	0.558	21.8°C
50%RB									
Front Side	20175/1732.5	20M QPSK 50%RB#0	0.330	0.193	0.090	21.12	22.00	0.404	21.8°C
Back Side	20175/1732.5	20M QPSK 50%RB#0	0.325	0.188	0.020	21.12	22.00	0.398	21.8°C

Table 196: Body-Worn SAR test results of LTE Band IV



Test Position of Hotspot with 10mm	Test channel / Freq.(MHz)	Test Mode	SAR Value (W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Scaled SAR _{1-g} (W/kg)	Liquid Temp.
			1-g	10-g					
1RB									
Front Side	20050/1720	20M QPSK 1RB#0	0.793	0.452	0.030	19.79	20.00	0.832	21.8°C
Front Side	20175/1732 .5	20M QPSK 1RB#0	0.806	0.458	-0.080	19.71	20.00	0.862	21.8°C
Front Side	20300/1745	20M QPSK 1RB#0	0.833	0.477	0.130	19.60	20.00	0.913	21.8°C
Back Side	20050/1720	20M QPSK 1RB#0	1.030	0.579	0.000	19.79	20.00	1.081	21.8°C
Back Side	20175/1732 .5	20M QPSK 1RB#0	1.050	0.596	0.130	19.71	20.00	1.123	21.8°C
Back Side	20300/1745	20M QPSK 1RB#0	1.060	0.600	0.020	19.60	20.00	1.162	21.8°C
Left Side	20050/1720	20M QPSK 1RB#0	0.219	0.125	0.120	19.79	20.00	0.230	21.8°C
Right Side	20050/1720	20M QPSK 1RB#0	0.090	0.052	0.130	19.79	20.00	0.095	21.8°C
Bottom Side	20050/1720	20M QPSK 1RB#0	1.180	0.642	0.030	19.79	20.00	1.238	21.8°C
Bottom Side	20175/1732 .5	20M QPSK 1RB#0	1.260	0.692	-0.080	19.71	20.00	1.347	21.8°C
Bottom Side	20300/1745	20M QPSK 1RB#0	1.290	0.709	0.060	19.60	20.00	1.414	21.8°C
Bottom Side-Reteaped	20300/1745	20M QPSK 1RB#0	1.230	0.676	0.070	19.60	20.00	1.349	21.8°C
50%RB									
Front Side	20300/1745	20M QPSK 50%RB#0	0.749	0.426	0.090	19.25	20.00	0.890	21.8°C
Front Side	20050/1720	20M QPSK 50%RB#0	0.723	0.412	0.100	19.21	20.00	0.867	21.8°C
Front Side	20175/1732 .5	20M QPSK 50%RB#0	0.717	0.408	0.040	19.23	20.00	0.856	21.8°C
Back Side	20300/1745	20M QPSK 50%RB#0	0.961	0.543	0.100	19.25	20.00	1.142	21.8°C
Back Side	20050/1720	20M QPSK 50%RB#0	0.922	0.519	0.000	19.21	20.00	1.106	21.8°C
Back Side	20175/1732 .5	20M QPSK 50%RB#0	0.919	0.519	0.010	19.23	20.00	1.097	21.8°C
Left Side	20300/1745	20M QPSK 50%RB#0	0.280	0.128	0.120	19.25	20.00	0.333	21.8°C
Right Side	20300/1745	20M QPSK 50%RB#0	0.099	0.056	0.180	19.25	20.00	0.117	21.8°C
Bottom Side	20300/1745	20M QPSK 50%RB#0	1.160	0.629	0.040	19.25	20.00	1.379	21.8°C
Bottom Side	20050/1720	20M QPSK 50%RB#0	1.110	0.606	0.030	19.21	20.00	1.331	21.8°C
Bottom Side	20175/1732 .5	20M QPSK 50%RB#0	1.120	0.609	0.040	19.23	20.00	1.337	21.8°C

100%RB									
Front Side	20300/1745	20M QPSK 100%RB#0	0.727	0.414	-0.050	19.18	20.00	0.878	21.8°C
Back Side	20300/1745	20M QPSK 100%RB#0	0.932	0.526	0.040	19.18	20.00	1.126	21.8°C
Bottom Side	20300/1745	20M QPSK 100%RB#0	1.180	0.641	-0.080	19.18	20.00	1.425	21.8°C

Table 197: Hotspot SAR test results of LTE Band IV

Per KDB648474D04, when hotspot mode applies, 10-g extremity SAR is required only for the surfaces and edges with hotspot mode 1-g reported SAR > 1.2 W/kg; however, when power reduction applies to hotspot mode the measured SAR must be scaled to the maximum output power, including tolerance, allowed for phablet modes to compare with the 1.2 W/kg SAR test reduction threshold:

Test Position of Hotspot with 10mm	Test channel / Freq.(MHz)	Test Mode	SAR Value (W/kg)		Power Drift (dB)	Conduct Power (dBm)	Tune-up Power (dBm)	Scaled SAR _{1-g} (W/kg)	10-g Extremity SAR Exclusion
			1-g	10-g					
1RB									
Front Side	20050/1720	20M QPSK 1RB#0	0.793	0.452	0.030	19.79	23.00	1.661	No
Front Side	20175/1732 .5	20M QPSK 1RB#0	0.806	0.458	-0.080	19.71	23.00	1.719	No
Front Side	20300/1745	20M QPSK 1RB#0	0.833	0.477	0.130	19.60	23.00	1.822	No
Back Side	20050/1720	20M QPSK 1RB#0	1.030	0.579	0.000	19.79	23.00	2.157	No
Back Side	20175/1732 .5	20M QPSK 1RB#0	1.050	0.596	0.130	19.71	23.00	2.240	No
Back Side	20300/1745	20M QPSK 1RB#0	1.060	0.600	0.020	19.60	23.00	2.319	No
Left Side	20050/1720	20M QPSK 1RB#0	0.219	0.125	0.120	19.79	23.00	0.459	Yes
Right Side	20050/1720	20M QPSK 1RB#0	0.090	0.052	0.130	19.79	23.00	0.189	Yes
Bottom Side	20050/1720	20M QPSK 1RB#0	1.180	0.642	0.030	19.79	23.00	2.471	No
Bottom Side	20175/1732 .5	20M QPSK 1RB#0	1.260	0.692	-0.080	19.71	23.00	2.688	No
Bottom Side	20300/1745	20M QPSK 1RB#0	1.290	0.709	0.060	19.60	23.00	2.822	No
Bottom Side-Reteaped	20300/1745	20M QPSK 1RB#0	1.230	0.676	0.070	19.60	23.00	2.691	No
50%RB									
Front Side	20300/1745	20M QPSK 50%RB#0	0.749	0.426	0.090	19.25	22.00	1.411	No
Front Side	20050/1720	20M QPSK 50%RB#0	0.723	0.412	0.100	19.21	22.00	1.374	No
Front Side	20175/1732 .5	20M QPSK 50%RB#0	0.717	0.408	0.040	19.23	22.00	1.357	No
Back Side	20300/1745	20M QPSK 50%RB#0	0.961	0.543	0.100	19.25	22.00	1.810	No
Back Side	20050/1720	20M QPSK 50%RB#0	0.922	0.519	0.000	19.21	22.00	1.753	No

Back Side	20175/1732 .5	20M QPSK 50%RB#0	0.919	0.519	0.010	19.23	22.00	1.739	No
Left Side	20300/1745	20M QPSK 50%RB#0	0.280	0.128	0.120	19.25	22.00	0.527	Yes
Right Side	20300/1745	20M QPSK 50%RB#0	0.099	0.056	0.180	19.25	22.00	0.186	Yes
Bottom Side	20300/1745	20M QPSK 50%RB#0	1.160	0.629	0.040	19.25	22.00	2.185	No
Bottom Side	20050/1720	20M QPSK 50%RB#0	1.110	0.606	0.030	19.21	22.00	2.110	No
Bottom Side	20175/1732 .5	20M QPSK 50%RB#0	1.120	0.609	0.040	19.23	22.00	2.119	No
100%RB									
Front Side	20300/1745	20M QPSK 100%RB#0	0.727	0.414	-0.050	19.18	22.00	1.392	No
Back Side	20300/1745	20M QPSK 100%RB#0	0.932	0.526	0.040	19.18	22.00	1.784	No
Bottom Side	20300/1745	20M QPSK 100%RB#0	1.180	0.641	-0.080	19.18	22.00	2.259	No

Table 198: 10-g Extremity SAR test reduction evaluation of LTE Band IV

Note : According to the table above , 10-g Extremity SAR test is required for this frequency band.

According to the table above , only **Front Side** and **Back Side** and **Bottom Side** 10-g Extremity SAR test are required for this frequency band:

Test Position of 10-g Extremity with 0mm	Test channel / Freq.(MHz)	Test Mode	SAR Value (W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Scaled SAR _{10-g} (W/kg)	Liquid Temp.
			1-g	10-g					
1RB									
Front Side	20175/1732 .5	20M QPSK 1RB#0	7.480	3.350	0.150	22.67	23.00	3.614	21.8°C
Front Side	20050/1720	20M QPSK 1RB#0	7.160	3.170	0.130	22.42	23.00	3.623	21.8°C
Front Side	20300/1745	20M QPSK 1RB#0	7.570	3.340	0.020	22.66	23.00	3.612	21.8°C
Front Side-Repeated	20175/1732 .5	20M QPSK 1RB#0	7.380	3.260	0.190	22.66	23.00	3.525	21.8°C
Back Side	20175/1732 .5	20M QPSK 1RB#0	6.700	2.990	0.120	22.67	23.00	3.226	21.8°C
Back Side	20050/1720	20M QPSK 1RB#0	6.830	3.050	0.160	22.42	23.00	3.486	21.8°C
Back Side	20300/1745	20M QPSK 1RB#0	7.040	3.140	0.000	22.66	23.00	3.396	21.8°C
Bottom Side	20175/1732 .5	20M QPSK 1RB#0	6.250	2.580	0.150	22.67	23.00	2.784	21.8°C
Bottom Side	20050/1720	20M QPSK 1RB#0	6.290	2.590	-0.140	22.42	23.00	2.960	21.8°C
Bottom Side	20300/1745	20M QPSK 1RB#0	6.050	2.530	0.100	22.66	23.00	2.736	21.8°C
50%RB									
Front Side	20175/1732 .5	20M QPSK 50%RB#0	4.730	2.110	0.150	21.12	22.00	2.584	21.8°C
Front Side	20050/1720	20M QPSK 50%RB#0	4.510	2.010	0.150	20.93	22.00	2.572	21.8°C



Front Side	20300/1745	20M QPSK 50%RB#0	5.090	2.260	0.170	21.06	22.00	2.806	21.8°C
Back Side	20175/1732 .5	20M QPSK 50%RB#0	4.910	2.110	0.120	21.12	22.00	2.584	21.8°C
Back Side	20050/1720	20M QPSK 50%RB#0	4.650	2.010	0.170	20.93	22.00	2.572	21.8°C
Back Side	20300/1745	20M QPSK 50%RB#0	5.170	2.220	0.180	21.06	22.00	2.756	21.8°C
Bottom Side	20175/1732 .5	20M QPSK 50%RB#0	4.190	1.660	0.050	21.12	22.00	2.033	21.8°C
Bottom Side	20050/1720	20M QPSK 50%RB#0	4.480	1.860	-0.110	20.93	22.00	2.380	21.8°C
Bottom Side	20300/1745	20M QPSK 50%RB#0	4.110	1.700	-0.130	21.06	22.00	2.111	21.8°C
100%RB									
Front Side	20175/1732 .5	20M QPSK 100%RB#0	4.810	2.130	0.010	20.98	22.00	2.694	21.8°C
Back Side	20175/1732 .5	20M QPSK 100%RB#0	4.850	2.090	0.000	20.98	22.00	2.643	21.8°C
Bottom Side	20175/1732 .5	20M QPSK 100%RB#0	4.210	1.710	-0.110	20.98	22.00	2.163	21.8°C

Table 199: 10-g Extremity SAR results of LTE Band IV

7.2.20 SAR measurement Result of LTE Band V (Main Antenna)

Test Position of Head	Test channel / Freq.(MHz)	Test Mode	SAR Value (W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Scaled SAR _{1-g} (W/kg)	Liquid Temp.
			1-g	10-g					
1RB									
Left Hand Touched	20600/844	10M QPSK 1RB#0	0.183	0.127	0.010	22.40	23.50	0.236	21.4°C
Left Hand Tilted 15°	20600/844	10M QPSK 1RB#0	0.127	0.086	0.090	22.40	23.50	0.164	21.4°C
Right Hand Touched	20600/844	10M QPSK 1RB#0	0.247	0.193	0.190	22.40	23.50	0.318	21.4°C
Right Hand Tilted 15°	20600/844	10M QPSK 1RB#0	0.120	0.084	0.030	22.40	23.50	0.155	21.4°C
Right Hand Touched	20450/829	10M QPSK 1RB#25	0.211	0.146	0.190	22.37	23.50	0.274	21.4°C
Right Hand Touched	20525/836.5	10M QPSK 1RB#49	0.242	0.191	0.200	22.39	23.50	0.312	21.4°C
50%RB									
Left Hand Touched	20525/836.5	10M QPSK 50%RB#0	0.142	0.099	0.130	21.34	22.50	0.185	21.4°C
Left Hand Tilted 15°	20525/836.5	10M QPSK 50%RB#0	0.100	0.067	0.180	21.34	22.50	0.130	21.4°C
Right Hand Touched	20525/836.5	10M QPSK 50%RB#0	0.179	0.124	0.110	21.34	22.50	0.234	21.4°C
Right Hand Tilted 15°	20525/836.5	10M QPSK 50%RB#0	0.086	0.061	0.150	21.34	22.50	0.112	21.4°C

Table 200: Head SAR test results of LTE Band V

Test Position of Body-Worn with 15mm	Test channel / Freq.(MHz)	Test Mode	SAR Value (W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Scaled SAR _{1-g} (W/kg)	Liquid Temp.
			1-g	10-g					
1RB									
Front Side	20600/844	10M QPSK 1RB#0	0.230	0.176	-0.090	22.40	23.50	0.296	21.5°C
Back Side	20600/844	10M QPSK 1RB#0	0.214	0.164	0.050	22.40	23.50	0.276	21.5°C
50%RB									
Front Side	20525/836.5	10M QPSK 50%RB#0	0.155	0.109	-0.020	21.34	22.50	0.202	21.5°C
Back Side	20525/836.5	10M QPSK 50%RB#0	0.160	0.113	0.020	21.34	22.50	0.209	21.5°C

Table 201: Body-Worn SAR test results of LTE Band V

Test Position of Hotspot with 10mm	Test channel / Freq.(MHz)	Test Mode	SAR Value (W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Scaled SAR _{1-g} (W/kg)	Liquid Temp.
			1-g	10-g					
1RB									
Front Side	20600/844	10M QPSK 1RB#49	0.410	0.231	0.010	21.23	22.50	0.549	21.5°C
Back Side	20600/844	10M QPSK 1RB#49	0.431	0.243	0.060	21.23	22.50	0.577	21.5°C
Left Side	20600/844	10M QPSK 1RB#49	0.140	0.094	-0.030	21.23	22.50	0.188	21.5°C
Right Side	20600/844	10M QPSK 1RB#49	0.331	0.225	0.010	21.23	22.50	0.443	21.5°C
Bottom Side	20600/844	10M QPSK 1RB#49	0.230	0.115	-0.020	21.23	22.50	0.308	21.5°C
50%RB									
Front Side	20600/844	10M QPSK 50%RB#0	0.360	0.225	0.040	21.22	21.50	0.384	21.5°C
Back Side	20600/844	10M QPSK 50%RB#0	0.424	0.264	0.030	21.22	21.50	0.452	21.5°C
Left Side	20600/844	10M QPSK 50%RB#0	0.125	0.084	0.040	21.22	21.50	0.133	21.5°C
Right Side	20600/844	10M QPSK 50%RB#0	0.307	0.206	0.010	21.22	21.50	0.327	21.5°C
Bottom Side	20600/844	10M QPSK 50%RB#0	0.195	0.099	0.000	21.22	21.50	0.208	21.5°C

Table 202: Hotspot SAR test results of LTE Band V

Per KDB648474D04, when hotspot mode applies, 10-g extremity SAR is required only for the surfaces and edges with hotspot mode 1-g reported SAR > 1.2 W/kg; however, when power reduction applies to hotspot mode the measured SAR must be scaled to the maximum output power, including tolerance, allowed for phablet modes to compare with the 1.2 W/kg SAR test reduction threshold:

Test Position of Hotspot with 10mm	Test channel / Freq.(MHz)	Test Mode	SAR Value (W/kg)		Power Drift (dB)	Conduct Power (dBm)	Tune-up Power (dBm)	Scaled SAR _{1-g} (W/kg)	10-g Extremity SAR Exclusion
			1-g	10-g					
1RB									
Front Side	20600/844	10M QPSK 1RB#49	0.410	0.231	0.010	21.23	23.50	0.691	Yes
Back Side	20600/844	10M QPSK 1RB#49	0.431	0.243	0.060	21.23	23.50	0.727	Yes
Left Side	20600/844	10M QPSK 1RB#49	0.140	0.094	-0.030	21.23	23.50	0.236	Yes
Right Side	20600/844	10M QPSK 1RB#49	0.331	0.225	0.010	21.23	23.50	0.558	Yes
Bottom Side	20600/844	10M QPSK 1RB#49	0.230	0.115	-0.020	21.23	23.50	0.388	Yes
50%RB									
Front Side	20600/844	10M QPSK 50%RB#0	0.360	0.225	0.040	21.22	22.50	0.483	Yes
Back Side	20600/844	10M QPSK 50%RB#0	0.424	0.264	0.030	21.22	22.50	0.569	Yes
Left Side	20600/844	10M QPSK 50%RB#0	0.125	0.084	0.040	21.22	22.50	0.168	Yes
Right Side	20600/844	10M QPSK 50%RB#0	0.307	0.206	0.010	21.22	22.50	0.412	Yes
Bottom Side	20600/844	10M QPSK 50%RB#0	0.195	0.099	0.000	21.22	22.50	0.262	Yes

Table 203: 10-g Extremity SAR test reduction evaluation of LTE Band V

Note : According to the table above , 10-g Extremity SAR test is not required for this frequency band.

7.2.21 SAR measurement Result of LTE Band VII (Main Antenna)

Test Position of Head	Test channel / Freq.(MHz)	Test Mode	SAR Value (W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Scaled SAR _{1-g} (W/kg)	Liquid Temp.
			1-g	10-g					
1RB									
Left Hand Touched	21350/2560	20M QPSK 1RB#50	0.326	0.183	0.040	22.13	22.80	0.380	21.5°C
Left Hand Tilted 15°	21350/2560	20M QPSK 1RB#50	0.082	0.043	-0.060	22.13	22.80	0.095	21.5°C
Right Hand Touched	21350/2560	20M QPSK 1RB#50	0.169	0.091	0.020	22.13	22.80	0.197	21.5°C
Right Hand Tilted 15°	21350/2560	20M QPSK 1RB#50	0.108	0.054	-0.010	22.13	22.80	0.126	21.5°C
Left Hand Touched	20850/2510	20M QPSK 1RB#50	0.426	0.242	-0.150	22.07	22.80	0.504	21.5°C
Left Hand Touched	21100/2535	20M QPSK 1RB#50	0.405	0.229	0.050	22.12	22.80	0.474	21.5°C
50%RB									
Left Hand Touched	21100/2535	20M QPSK 50%RB#25	0.305	0.165	0.120	21.16	21.80	0.353	21.5°C
Left Hand Tilted 15°	21100/2535	20M QPSK 50%RB#25	0.080	0.042	0.090	21.16	21.80	0.092	21.5°C
Right Hand Touched	21100/2535	20M QPSK 50%RB#25	0.143	0.079	-0.040	21.16	21.80	0.166	21.5°C
Right Hand Tilted 15°	21100/2535	20M QPSK 50%RB#25	0.114	0.057	0.020	21.16	21.80	0.132	21.5°C

Table 204: Head SAR test results of LTE Band VII

Test Position of Body-Worn with 15mm	Test channel / Freq.(MHz)	Test Mode	SAR Value (W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Scaled SAR _{1-g} (W/kg)	Liquid Temp.
			1-g	10-g					
1RB									
Front Side	21350/2560	20M QPSK 1RB#50	0.423	0.220	0.150	22.13	22.80	0.494	21.5°C
Back Side	21350/2560	20M QPSK 1RB#50	0.380	0.193	0.160	22.13	22.80	0.443	21.5°C
50%RB									
Front Side	21100/2535	20M QPSK 50%RB#25	0.322	0.175	0.150	21.16	21.80	0.373	21.5°C
Back Side	21100/2535	20M QPSK 50%RB#25	0.294	0.159	0.180	21.16	21.80	0.341	21.5°C

Table 205: Body-Worn SAR test results of LTE Band VII

Test Position of Hotspot with 10mm	Test channel / Freq.(MHz)	Test Mode	SAR Value (W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Scaled SAR _{1-g} (W/kg)	Liquid Temp.
			1-g	10-g					
1RB									
Front Side	20850/2510	20M QPSK 1RB#50	0.450	0.226	-0.080	19.41	20.00	0.515	21.5°C
Back Side	20850/2510	20M QPSK 1RB#50	0.551	0.254	0.100	19.41	20.00	0.631	21.5°C
Left Side	20850/2510	20M QPSK 1RB#50	0.227	0.116	0.150	19.41	20.00	0.260	21.5°C
Right Side	20850/2510	20M QPSK 1RB#50	0.040	0.024	0.170	19.41	20.00	0.046	21.5°C
Bottom Side	20850/2510	20M QPSK 1RB#50	1.160	0.547	0.010	19.41	20.00	1.329	21.5°C
Bottom Side-repeated	20850/2510	20M QPSK 1RB#50	1.150	0.538	-0.100	19.41	20.00	1.317	21.5°C
Bottom Side	21100/2535	20M QPSK 1RB#50	1.060	0.500	-0.080	19.39	20.00	1.220	21.5°C
Bottom Side	21350/2560	20M QPSK 1RB#50	0.957	0.452	0.000	19.40	20.00	1.099	21.5°C
50%RB									
Front Side	21350/2560	20M QPSK 50%RB#25	0.412	0.216	0.080	19.39	20.00	0.474	21.5°C
Back Side	21350/2560	20M QPSK 50%RB#25	0.437	0.211	-0.100	19.39	20.00	0.503	21.5°C
Left Side	21350/2560	20M QPSK 50%RB#25	0.208	0.107	-0.150	19.39	20.00	0.239	21.5°C
Right Side	21350/2560	20M QPSK 50%RB#25	0.034	0.020	0.140	19.39	20.00	0.039	21.5°C
Bottom Side	21350/2560	20M QPSK 50%RB#25	0.968	0.452	0.060	19.39	20.00	1.114	21.5°C
Bottom Side	20850/2510	20M QPSK 50%RB#25	1.140	0.532	-0.130	19.33	20.00	1.330	21.5°C
Bottom Side	21100/2535	20M QPSK 50%RB#0	1.120	0.520	-0.060	19.36	20.00	1.298	21.5°C
100%RB									
Bottom Side	21100/2535	20M QPSK 100%RB#0	1.050	0.491	-0.090	19.25	20.00	1.248	21.5°C

Table 206: Hotspot SAR test results of LTE Band VII

Per KDB648474D04, when hotspot mode applies, 10-g extremity SAR is required only for the surfaces and edges with hotspot mode 1-g reported SAR > 1.2 W/kg; however, when power reduction applies to hotspot mode the measured SAR must be scaled to the maximum output power, including tolerance, allowed for phablet modes to compare with the 1.2 W/kg SAR test reduction threshold:

Test Position of Hotspot with 10mm	Test channel / Freq.(MHz)	Test Mode	SAR Value (W/kg)		Power Drift (dB)	Conduct Power (dBm)	Tune-up Power (dBm)	Scaled SAR _{1-g} (W/kg)	10-g Extremity SAR Exclusion
			1-g	10-g					
1RB									
Front Side	20850/2510	20M QPSK 1RB#50	0.450	0.226	-0.080	19.41	22.80	0.982	Yes
Back Side	20850/2510	20M QPSK 1RB#50	0.551	0.254	0.100	19.41	22.80	1.203	No
Left Side	20850/2510	20M QPSK 1RB#50	0.227	0.116	0.150	19.41	22.80	0.495	Yes
Right Side	20850/2510	20M QPSK 1RB#50	0.040	0.024	0.170	19.41	22.80	0.088	Yes
Bottom Side	20850/2510	20M QPSK 1RB#50	1.160	0.547	0.010	19.41	22.80	2.532	No
Bottom Side-repeated	20850/2510	20M QPSK 1RB#50	1.150	0.538	-0.100	19.41	22.80	2.510	No
Bottom Side	21100/2535	20M QPSK 1RB#50	1.060	0.500	-0.080	19.39	22.80	2.324	No
Bottom Side	21350/2560	20M QPSK 1RB#50	0.957	0.452	0.000	19.40	22.80	2.094	No
50%RB									
Front Side	21350/2560	20M QPSK 50%RB#25	0.412	0.216	0.080	19.39	21.80	0.718	Yes
Back Side	21350/2560	20M QPSK 50%RB#25	0.437	0.211	-0.100	19.39	21.80	0.761	Yes
Left Side	21350/2560	20M QPSK 50%RB#25	0.208	0.107	-0.150	19.39	21.80	0.362	Yes
Right Side	21350/2560	20M QPSK 50%RB#25	0.034	0.020	0.140	19.39	21.80	0.058	Yes
Bottom Side	21350/2560	20M QPSK 50%RB#25	0.968	0.452	0.060	19.39	21.80	1.686	No
Bottom Side	20850/2510	20M QPSK 50%RB#25	1.140	0.532	-0.130	19.33	21.80	2.013	No
Bottom Side	21100/2535	20M QPSK 50%RB#0	1.120	0.520	-0.060	19.36	21.80	1.964	No
100%RB									
Bottom Side	21100/2535	20M QPSK 100%RB#0	1.050	0.491	-0.090	19.25	21.80	1.889	No

Table 207: 10-g Extremity SAR test reduction evaluation of LTE Band VII

Note : According to the table above , 10-g Extremity SAR test is required for this frequency band.

According to the table above , only **Back Side** and **Bottom Side** 10-g Extremity SAR test are required for this frequency band:

Test Position of 10-g Extremity with 0mm	Test channel / Freq.(MHz)	Test Mode	SAR Value (W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Scaled SAR _{10-g} (W/kg)	Liquid Temp.
			1-g	10-g					
1RB									
Back Side	21350/2560	20M QPSK 1RB#50	9.290	3.100	0.120	22.13	22.80	3.617	21.5°C
Back Side-reteaped	21350/2560	20M QPSK 1RB#50	9.160	3.050	0.090	22.13	22.80	3.559	21.5°C
Back Side	20850/2510	20M QPSK 1RB#50	9.140	3.010	0.070	22.07	22.80	3.561	21.5°C
Back Side	21100/2535	20M QPSK 1RB#50	9.270	3.060	0.120	22.12	22.80	3.579	21.5°C
Bottom Side	21350/2560	20M QPSK 1RB#50	3.860	1.160	-0.180	22.13	22.80	1.353	21.5°C
50%RB									
Back Side	21100/2535	20M QPSK 50%RB#25	7.710	2.520	0.120	21.16	21.80	2.920	21.5°C
Back Side	20850/2510	20M QPSK 50%RB#25	7.450	2.430	0.180	20.98	21.80	2.935	21.5°C
Back Side	21350/2560	20M QPSK 50%RB#25	7.450	2.460	0.120	21.05	21.80	2.924	21.5°C
Bottom Side	21100/2535	20M QPSK 50%RB#25	3.310	0.992	-0.120	21.16	21.80	1.150	21.5°C
100%RB									
Back Side	21100/2535	20M QPSK 100%RB#0	7.200	2.380	0.140	21.07	21.80	2.816	21.5°C

Table 208: 10-g Extremity SAR results of LTE Band VII

7.2.22 SAR measurement Result of LTE Band XII (Main Antenna)

Test Position of Head	Test channel / Freq.(MHz)	Test Mode	SAR Value (W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Scaled SAR _{1-g} (W/kg)	Liquid Temp.
			1-g	10-g					
1RB									
Left Hand Touched	23095/707.5	10M QPSK 1RB#49	0.113	0.080	0.120	22.55	23.50	0.141	21.4°C
Left Hand Tilted 15°	23095/707.5	10M QPSK 1RB#49	0.081	0.054	0.120	22.55	23.50	0.101	21.4°C
Right Hand Touched	23095/707.5	10M QPSK 1RB#49	0.136	0.096	0.080	22.55	23.50	0.169	21.4°C
Right Hand Tilted 15°	23095/707.5	10M QPSK 1RB#49	0.065	0.046	0.080	22.55	23.50	0.081	21.4°C
Right Hand Touched	23060/704	10M QPSK 1RB#49	0.131	0.104	0.010	22.40	23.50	0.169	21.4°C
Right Hand Touched	23130/711	10M QPSK 1RB#49	0.143	0.114	0.000	22.54	23.50	0.178	21.4°C
50%RB									
Left Hand Touched	23095/707.5	10M QPSK 50%RB#25	0.086	0.061	0.020	21.36	22.50	0.112	21.4°C
Left Hand Tilted 15°	23095/707.5	10M QPSK 50%RB#25	0.064	0.042	0.070	21.36	22.50	0.083	21.4°C
Right Hand Touched	23095/707.5	10M QPSK 50%RB#25	0.105	0.074	0.070	21.36	22.50	0.137	21.4°C
Right Hand Tilted 15°	23095/707.5	10M QPSK 50%RB#25	0.051	0.036	0.010	21.36	22.50	0.066	21.4°C

Table 209: Head SAR test results of LTE Band XII

Test Position of Body-Worn with 15mm	Test channel / Freq.(MHz)	Test Mode	SAR Value (W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Scaled SAR _{1-g} (W/kg)	Liquid Temp.
			1-g	10-g					
1RB									
Front Side	23095/707.5	10M QPSK 1RB#49	0.167	0.133	0.010	22.55	23.50	0.208	21.4°C
Back Side	23095/707.5	10M QPSK 1RB#49	0.169	0.134	0.000	22.55	23.50	0.210	21.4°C
50%RB									
Front Side	23095/707.5	10M QPSK 50%RB#25	0.129	0.093	0.030	21.36	22.50	0.168	21.4°C
Back Side	23095/707.5	10M QPSK 50%RB#25	0.132	0.095	-0.010	21.36	22.50	0.172	21.4°C

Table 210: Body-Worn SAR test results of LTE Band XII

Test Position of Hotspot with 10mm	Test channel / Freq.(MHz)	Test Mode	SAR Value (W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Scaled SAR _{1-g} (W/kg)	Liquid Temp.
			1-g	10-g					
1RB									
Front Side	23130/711	10M QPSK 1RB#49	0.153	0.109	-0.150	21.23	22.50	0.205	21.4°C
Back Side	23130/711	10M QPSK 1RB#49	0.179	0.138	-0.100	21.23	22.50	0.240	21.4°C
Left Side	23130/711	10M QPSK 1RB#49	0.109	0.075	-0.140	21.23	22.50	0.146	21.4°C
Right Side	23130/711	10M QPSK 1RB#49	0.220	0.157	0.160	21.23	22.50	0.295	21.4°C
Bottom Side	23130/711	10M QPSK 1RB#49	0.082	0.047	-0.050	21.23	22.50	0.110	21.4°C
50%RB									
Front Side	23130/711	10M QPSK 50%RB#0	0.133	0.096	-0.080	21.22	21.50	0.142	21.4°C
Back Side	23130/711	10M QPSK 50%RB#0	0.156	0.106	-0.060	21.22	21.50	0.166	21.4°C
Left Side	23130/711	10M QPSK 50%RB#0	0.101	0.069	-0.110	21.22	21.50	0.108	21.4°C
Right Side	23130/711	10M QPSK 50%RB#0	0.192	0.132	-0.150	21.22	21.50	0.205	21.4°C
Bottom Side	23130/711	10M QPSK 50%RB#0	0.065	0.038	-0.180	21.22	21.50	0.069	21.4°C

Table 211: Hotspot SAR test results of LTE Band XII

Per KDB648474D04, when hotspot mode applies, 10-g extremity SAR is required only for the surfaces and edges with hotspot mode 1-g reported SAR > 1.2 W/kg; however, when power reduction applies to hotspot mode the measured SAR must be scaled to the maximum output power, including tolerance, allowed for phablet modes to compare with the 1.2 W/kg SAR test reduction threshold:

Test Position of Hotspot with 10mm	Test channel / Freq.(MHz)	Test Mode	SAR Value (W/kg)		Power Drift (dB)	Conduct Power (dBm)	Tune-up Power (dBm)	Scaled SAR _{1-g} (W/kg)	10-g Extremity SAR Exclusion
			1-g	10-g					
1RB									
Front Side	23130/711	10M QPSK 1RB#49	0.153	0.109	-0.150	21.23	23.50	0.258	Yes
Back Side	23130/711	10M QPSK 1RB#49	0.179	0.138	-0.100	21.23	23.50	0.302	Yes
Left Side	23130/711	10M QPSK 1RB#49	0.109	0.075	-0.140	21.23	23.50	0.184	Yes
Right Side	23130/711	10M QPSK 1RB#49	0.220	0.157	0.160	21.23	23.50	0.371	Yes
Bottom Side	23130/711	10M QPSK 1RB#49	0.082	0.047	-0.050	21.23	23.50	0.138	Yes
50%RB									
Front Side	23130/711	10M QPSK 50%RB#0	0.133	0.096	-0.080	21.22	22.50	0.179	Yes
Back Side	23130/711	10M QPSK 50%RB#0	0.156	0.106	-0.060	21.22	22.50	0.209	Yes
Left Side	23130/711	10M QPSK 50%RB#0	0.101	0.069	-0.110	21.22	22.50	0.136	Yes
Right Side	23130/711	10M QPSK 50%RB#0	0.192	0.132	-0.150	21.22	22.50	0.258	Yes
Bottom Side	23130/711	10M QPSK 50%RB#0	0.065	0.038	-0.180	21.22	22.50	0.087	Yes

Table 212: 10-g Extremity SAR test reduction evaluation of LTE Band XII

Note : According to the table above , 10-g Extremity SAR test is not required for this frequency band.

7.2.23 SAR measurement Result of LTE Band XIII (Main Antenna)

Test Position of Head	Test channel / Freq.(MHz)	Test Mode	SAR Value (W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Scaled SAR _{1-g} (W/kg)	Liquid Temp.
			1-g	10-g					
1RB									
Left Hand Touched	23230/782	10M QPSK 1RB#49	0.149	0.118	-0.140	22.36	23.50	0.194	21.4°C
Left Hand Tilted 15°	23230/782	10M QPSK 1RB#49	0.087	0.055	0.190	22.36	23.50	0.113	21.4°C
Right Hand Touched	23230/782	10M QPSK 1RB#49	0.192	0.150	-0.100	22.36	23.50	0.250	21.4°C
Right Hand Tilted 15°	23230/782	10M QPSK 1RB#49	0.095	0.067	-0.010	22.36	23.50	0.124	21.4°C
50%RB									
Left Hand Touched	23230/782	10M QPSK 50%RB#0	0.119	0.083	-0.070	21.41	22.50	0.153	21.4°C
Left Hand Tilted 15°	23230/782	10M QPSK 50%RB#0	0.089	0.058	0.080	21.41	22.50	0.115	21.4°C
Right Hand Touched	23230/782	10M QPSK 50%RB#0	0.151	0.106	0.070	21.41	22.50	0.194	21.4°C
Right Hand Tilted 15°	23230/782	10M QPSK 50%RB#0	0.071	0.051	0.130	21.41	22.50	0.092	21.4°C

Table 213: Head SAR test results of LTE Band XIII

Test Position of Body-Worn with 15mm	Test channel / Freq.(MHz)	Test Mode	SAR Value (W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Scaled SAR _{1-g} (W/kg)	Liquid Temp.
			1-g	10-g					
1RB									
Front Side	23230/782	10M QPSK 1RB#49	0.235	0.184	0.080	22.36	23.50	0.306	21.4°C
Back Side	23230/782	10M QPSK 1RB#49	0.193	0.149	-0.090	22.36	23.50	0.251	21.4°C
50%RB									
Front Side	23230/782	10M QPSK 50%RB#0	0.167	0.119	0.010	21.41	22.50	0.215	21.4°C
Back Side	23230/782	10M QPSK 50%RB#0	0.170	0.121	0.000	21.41	22.50	0.218	21.4°C

Table 214: Body-Worn SAR test results of LTE Band XIII

Test Position of Hotspot with 10mm	Test channel / Freq.(MHz)	Test Mode	SAR Value (W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Scaled SAR _{1-g} (W/kg)	Liquid Temp.
			1-g	10-g					
1RB									
Front Side	23230/782	10M QPSK 1RB#49	0.234	0.150	-0.050	21.12	22.50	0.322	21.4°C
Back Side	23230/782	10M QPSK 1RB#49	0.252	0.151	-0.040	21.12	22.50	0.346	21.4°C
Left Side	23230/782	10M QPSK 1RB#49	0.130	0.088	-0.150	21.12	22.50	0.179	21.4°C
Right Side	23230/782	10M QPSK 1RB#49	0.250	0.177	-0.190	21.12	22.50	0.344	21.4°C
Bottom Side	23230/782	10M QPSK 1RB#49	0.147	0.085	-0.150	21.12	22.50	0.202	21.4°C
50%RB									
Front Side	23230/782	10M QPSK 50%RB#0	0.220	0.142	-0.060	21.17	21.50	0.237	21.4°C
Back Side	23230/782	10M QPSK 50%RB#0	0.246	0.147	-0.020	21.17	21.50	0.265	21.4°C
Left Side	23230/782	10M QPSK 50%RB#0	0.145	0.097	-0.190	21.17	21.50	0.156	21.4°C
Right Side	23230/782	10M QPSK 50%RB#0	0.276	0.193	-0.190	21.17	21.50	0.298	21.4°C
Bottom Side	23230/782	10M QPSK 50%RB#0	0.131	0.075	0.030	21.17	21.50	0.141	21.4°C

Table 215: Hotspot SAR test results of LTE Band XIII

Per KDB648474D04, when hotspot mode applies, 10-g extremity SAR is required only for the surfaces and edges with hotspot mode 1-g reported SAR > 1.2 W/kg; however, when power reduction applies to hotspot mode the measured SAR must be scaled to the maximum output power, including tolerance, allowed for phablet modes to compare with the 1.2 W/kg SAR test reduction threshold:

Test Position of Hotspot with 10mm	Test channel / Freq.(MHz)	Test Mode	SAR Value (W/kg)		Power Drift (dB)	Conduct Power (dBm)	Tune-up Power (dBm)	Scaled SAR _{1-g} (W/kg)	10-g Extremity SAR Exclusion
			1-g	10-g					
1RB									
Front Side	23230/782	10M QPSK 1RB#49	0.234	0.150	-0.050	21.12	23.50	0.405	No
Back Side	23230/782	10M QPSK 1RB#49	0.252	0.151	-0.040	21.12	23.50	0.436	No
Left Side	23230/782	10M QPSK 1RB#49	0.130	0.088	-0.150	21.12	23.50	0.225	No
Right Side	23230/782	10M QPSK 1RB#49	0.250	0.177	-0.190	21.12	23.50	0.432	No
Bottom Side	23230/782	10M QPSK 1RB#49	0.147	0.085	-0.150	21.12	23.50	0.254	No
50%RB									
Front Side	23230/782	10M QPSK 50%RB#0	0.220	0.142	-0.060	21.17	22.50	0.299	No
Back Side	23230/782	10M QPSK 50%RB#0	0.246	0.147	-0.020	21.17	22.50	0.334	No
Left Side	23230/782	10M QPSK 50%RB#0	0.145	0.097	-0.190	21.17	22.50	0.197	No
Right Side	23230/782	10M QPSK 50%RB#0	0.276	0.193	-0.190	21.17	22.50	0.375	No
Bottom Side	23230/782	10M QPSK 50%RB#0	0.131	0.075	0.030	21.17	22.50	0.178	No

Table 216: 10-g Extremity SAR test reduction evaluation of LTE Band XIII

Note : According to the table above , 10-g Extremity SAR test is not required for this frequency band.

7.2.24 SAR measurement Result of LTE Band XVII (Main Antenna)

Test Position of Head	Test channel / Freq.(MHz)	Test Mode	SAR Value (W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Scaled SAR _{1-g} (W/kg)	Liquid Temp.
			1-g	10-g					
1RB									
Left Hand Touched	23800/711	10M QPSK 1RB#25	0.116	0.093	0.150	22.38	23.50	0.150	21.4°C
Left Hand Tilted 15°	23800/711	10M QPSK 1RB#25	0.094	0.062	0.160	22.38	23.50	0.122	21.4°C
Right Hand Touched	23800/711	10M QPSK 1RB#25	0.141	0.112	-0.060	22.38	23.50	0.182	21.4°C
Right Hand Tilted 15°	23800/711	10M QPSK 1RB#25	0.061	0.048	-0.180	22.38	23.50	0.079	21.4°C
Right Hand Touched	23780/709	10M QPSK 1RB#0	0.126	0.101	0.020	22.32	23.50	0.165	21.4°C
Right Hand Touched	23790/710	10M QPSK 1RB#49	0.140	0.112	0.130	22.38	23.50	0.181	21.4°C
50%RB									
Left Hand Touched	23790/710	10M QPSK 50%RB#13	0.086	0.606	0.080	21.31	22.50	0.114	21.4°C
Left Hand Tilted 15°	23790/710	10M QPSK 50%RB#13	0.071	0.045	0.180	21.31	22.50	0.094	21.4°C
Right Hand Touched	23790/710	10M QPSK 50%RB#13	0.104	0.073	0.180	21.31	22.50	0.137	21.4°C
Right Hand Tilted 15°	23790/710	10M QPSK 50%RB#13	0.051	0.034	0.070	21.31	22.50	0.066	21.4°C

Table 217: Head SAR test results of LTE Band XVII

Test Position of Body-Worn with 15mm	Test channel / Freq.(MHz)	Test Mode	SAR Value (W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Scaled SAR _{1-g} (W/kg)	Liquid Temp.
			1-g	10-g					
1RB									
Front Side	23800/711	10M QPSK 1RB#25	0.170	0.134	0.060	22.38	23.50	0.220	21.4°C
Back Side	23800/711	10M QPSK 1RB#25	0.179	0.141	-0.050	22.38	23.50	0.232	21.4°C
50%RB									
Front Side	23790/710	10M QPSK 50%RB#13	0.130	0.094	-0.010	21.31	22.50	0.171	21.4°C
Back Side	23790/710	10M QPSK 50%RB#13	0.136	0.098	-0.100	21.31	22.50	0.179	21.4°C

Table 218: Body-Worn SAR test results of LTE Band XVII

Test Position of Hotspot with 10mm	Test channel / Freq.(MHz)	Test Mode	SAR Value (W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Scaled SAR _{1-g} (W/kg)	Liquid Temp.
			1-g	10-g					
1RB									
Front Side	23790/710	10M QPSK 1RB#49	0.152	0.109	0.060	21.38	22.50	0.197	21.4°C
Back Side	23790/710	10M QPSK 1RB#49	0.176	0.138	-0.060	21.38	22.50	0.228	21.4°C
Left Side	23790/710	10M QPSK 1RB#49	0.105	0.072	-0.070	21.38	22.50	0.136	21.4°C
Right Side	23790/710	10M QPSK 1RB#49	0.225	0.160	-0.160	21.38	22.50	0.291	21.4°C
Bottom Side	23790/710	10M QPSK 1RB#49	0.079	0.043	-0.040	21.38	22.50	0.103	21.4°C
50%RB									
Front Side	23790/710	10M QPSK 50%RB#25	0.147	0.106	-0.060	21.11	21.50	0.161	21.4°C
Back Side	23790/710	10M QPSK 50%RB#25	0.175	0.134	-0.030	21.11	21.50	0.191	21.4°C
Left Side	23790/710	10M QPSK 50%RB#25	0.104	0.071	-0.100	21.11	21.50	0.114	21.4°C
Right Side	23790/710	10M QPSK 50%RB#25	0.218	0.155	-0.130	21.11	21.50	0.238	21.4°C
Bottom Side	23790/710	10M QPSK 50%RB#25	0.074	0.040	-0.010	21.11	21.50	0.081	21.4°C

Table 219: Hotspot SAR test results of LTE Band XVII

Per KDB648474D04, when hotspot mode applies, 10-g extremity SAR is required only for the surfaces and edges with hotspot mode 1-g reported SAR > 1.2 W/kg; however, when power reduction applies to hotspot mode the measured SAR must be scaled to the maximum output power, including tolerance, allowed for phablet modes to compare with the 1.2 W/kg SAR test reduction threshold:

Test Position of Hotspot with 10mm	Test channel / Freq.(MHz)	Test Mode	SAR Value (W/kg)		Power Drift (dB)	Conduct Power (dBm)	Tune-up Power (dBm)	Scaled SAR _{1-g} (W/kg)	10-g Extremity SAR Exclusion
			1-g	10-g					
1RB									
Front Side	23790/710	10M QPSK 1RB#49	0.152	0.109	0.060	21.38	23.50	0.248	Yes
Back Side	23790/710	10M QPSK 1RB#49	0.176	0.138	-0.060	21.38	23.50	0.287	Yes
Left Side	23790/710	10M QPSK 1RB#49	0.105	0.072	-0.070	21.38	23.50	0.171	Yes
Right Side	23790/710	10M QPSK 1RB#49	0.225	0.160	-0.160	21.38	23.50	0.367	Yes
Bottom Side	23790/710	10M QPSK 1RB#49	0.079	0.043	-0.040	21.38	23.50	0.129	Yes
50%RB									
Front Side	23790/710	10M QPSK 50%RB#25	0.147	0.106	-0.060	21.11	22.50	0.202	Yes
Back Side	23790/710	10M QPSK 50%RB#25	0.175	0.134	-0.030	21.11	22.50	0.241	Yes
Left Side	23790/710	10M QPSK 50%RB#25	0.104	0.071	-0.100	21.11	22.50	0.143	Yes
Right Side	23790/710	10M QPSK 50%RB#25	0.218	0.155	-0.130	21.11	22.50	0.300	Yes
Bottom Side	23790/710	10M QPSK 50%RB#25	0.074	0.040	-0.010	21.11	22.50	0.102	Yes

Table 220: 10-g Extremity SAR test reduction evaluation of LTE Band XVII

Note : According to the table above , 10-g Extremity SAR test is not required for this frequency band.

7.2.25 SAR measurement Result of LTE Band XXV (Main Antenna)

Test Position of Head	Test channel / Freq.(MHz)	Test Mode	SAR Value (W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Scaled SAR _{1-g} (W/kg)	Liquid Temp.
			1-g	10-g					
1RB									
Left Hand Touched	26590/1905	20M QPSK 1RB#0	0.111	0.073	-0.050	22.51	22.70	0.116	22.0°C
Left Hand Tilted 15°	26590/1905	20M QPSK 1RB#0	0.072	0.040	0.020	22.51	22.70	0.075	22.0°C
Right Hand Touched	26590/1905	20M QPSK 1RB#0	0.132	0.086	0.130	22.51	22.70	0.138	22.0°C
Right Hand Tilted 15°	26590/1905	20M QPSK 1RB#0	0.077	0.040	0.180	22.51	22.70	0.080	22.0°C
Right Hand Touched	26140/1860	20M QPSK 1RB#0	0.156	0.102	0.110	22.45	22.70	0.165	22.0°C
Right Hand Touched	26365/1882.5	20M QPSK 1RB#0	0.132	0.085	0.080	22.49	22.70	0.139	22.0°C
50%RB									
Left Hand Touched	26590/1905	20M QPSK 50%RB#0	0.073	0.043	0.020	21.21	21.70	0.082	22.0°C
Left Hand Tilted 15°	26590/1905	20M QPSK 50%RB#0	0.051	0.028	0.160	21.21	21.70	0.058	22.0°C
Right Hand Touched	26590/1905	20M QPSK 50%RB#0	0.094	0.061	0.040	21.21	21.70	0.105	22.0°C
Right Hand Tilted 15°	26590/1905	20M QPSK 50%RB#0	0.054	0.028	0.160	21.21	21.70	0.060	22.0°C

Table 221: Head SAR test results of LTE Band XXV

Test Position of Body-Worn with 15mm	Test channel / Freq.(MHz)	Test Mode	SAR Value (W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Scaled SAR _{1-g} (W/kg)	Liquid Temp.
			1-g	10-g					
1RB									
Front Side	26590/1905	20M QPSK 1RB#0	0.690	0.407	0.050	22.51	22.70	0.721	22.0°C
Back Side	26590/1905	20M QPSK 1RB#0	0.697	0.413	-0.010	22.51	22.70	0.728	22.0°C
50%RB									
Front Side	26590/1905	20M QPSK 50%RB#0	0.430	0.249	0.120	21.21	21.70	0.481	22.0°C
Back Side	26590/1905	20M QPSK 50%RB#0	0.454	0.254	0.110	21.21	21.70	0.508	22.0°C

Table 222: Body-Worn SAR test results of LTE Band XXV

Test Position of Hotspot with 10mm	Test channel / Freq.(MHz)	Test Mode	SAR Value (W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up (dBm)	Scaled SAR _{1-g} (W/kg)	Liquid Temp.
			1-g	10-g					
1RB									
Front Side	26140/1860	20M QPSK 1RB#0	0.771	0.434	0.130	19.62	20.00	0.842	21.4°C
Front Side	26365/1882.5	20M QPSK 1RB#0	0.747	0.416	0.070	19.47	20.00	0.844	21.4°C
Front Side	26590/1905	20M QPSK 1RB#0	0.687	0.382	0.100	19.49	20.00	0.773	21.4°C
Back Side	26140/1860	20M QPSK 1RB#0	0.798	0.447	0.170	19.62	20.00	0.871	21.4°C
Back Side	26365/1882.5	20M QPSK 1RB#0	0.784	0.438	-0.070	19.47	20.00	0.886	21.4°C
Back Side	26590/1905	20M QPSK 1RB#0	0.709	0.395	0.040	19.49	20.00	0.797	21.4°C
Left Side	26140/1860	20M QPSK 1RB#0	0.146	0.086	0.000	19.62	20.00	0.159	21.4°C
Right Side	26140/1860	20M QPSK 1RB#0	0.056	0.032	0.020	19.62	20.00	0.062	21.4°C
Bottom Side	26140/1860	20M QPSK 1RB#0	1.320	0.713	-0.040	19.62	20.00	1.441	21.4°C
Bottom Side-repeated	26140/1860	20M QPSK 1RB#0	1.260	0.685	0.000	19.62	20.00	1.375	21.4°C
Bottom Side	26365/1882.5	20M QPSK 1RB#0	1.240	0.671	-0.060	19.47	20.00	1.401	21.4°C
Bottom Side	26590/1905	20M QPSK 1RB#0	1.180	0.631	-0.070	19.49	20.00	1.327	21.4°C
50%RB									
Front Side	26140/1860	20M QPSK 50%RB#0	0.598	0.340	0.190	19.14	20.00	0.729	21.4°C
Back Side	26140/1860	20M QPSK 50%RB#0	0.663	0.377	0.080	19.14	20.00	0.808	21.4°C
Back Side	26365/1882.5	20M QPSK 50%RB#0	0.599	0.339	0.080	19.11	20.00	0.735	21.4°C
Back Side	26590/1905	20M QPSK 50%RB#0	0.563	0.318	-0.110	18.99	20.00	0.710	21.4°C
Left Side	26140/1860	20M QPSK 50%RB#0	0.125	0.070	0.150	19.14	20.00	0.152	21.4°C
Right Side	26140/1860	20M QPSK 50%RB#0	0.047	0.027	0.140	19.14	20.00	0.057	21.4°C
Bottom Side	26140/1860	20M QPSK 50%RB#0	0.951	0.519	0.010	19.14	20.00	1.159	21.4°C
Bottom Side	26365/1882.5	20M QPSK 50%RB#0	0.953	0.516	-0.080	19.11	20.00	1.170	21.4°C
Bottom Side	26590/1905	20M QPSK 50%RB#0	0.908	0.490	-0.040	18.99	20.00	1.146	21.4°C
100%RB									
Front Side	26140/1860	20M QPSK 100%RB#0	0.593	0.334	0.020	19.12	20.00	0.726	21.4°C
Back Side	26140/1860	20M QPSK 100%RB#0	0.640	0.363	0.000	19.12	20.00	0.784	21.4°C
Bottom Side	26140/1860	20M QPSK 100%RB#0	1.000	0.545	-0.060	19.12	20.00	1.225	21.4°C

Table 223: Hotspot SAR test results of LTE Band XXV

Per KDB648474D04, when hotspot mode applies, 10-g extremity SAR is required only for the surfaces and edges with hotspot mode 1-g reported SAR > 1.2 W/kg; however, when power reduction applies to hotspot mode the measured SAR must be scaled to the maximum output power, including tolerance, allowed for phablet modes to compare with the 1.2 W/kg SAR test reduction threshold:

Test Position of Hotspot with 10mm	Test channel / Freq.(MHz)	Test Mode	SAR Value (W/kg)		Power Drift (dB)	Conduct Power (dBm)	Tune-up Power (dBm)	Scaled SAR _{1-g} (W/kg)	10-g Extremity SAR Exclusion
			1-g	10-g					
1RB									
Front Side	26140/1860	20M QPSK 1RB#0	0.771	0.434	0.130	19.62	22.70	1.567	No
Front Side	26365/1882.5	20M QPSK 1RB#0	0.747	0.416	0.070	19.47	22.70	1.572	No
Front Side	26590/1905	20M QPSK 1RB#0	0.687	0.382	0.100	19.49	22.70	1.439	No
Back Side	26140/1860	20M QPSK 1RB#0	0.798	0.447	0.170	19.62	22.70	1.622	No
Back Side	26365/1882.5	20M QPSK 1RB#0	0.784	0.438	-0.070	19.47	22.70	1.649	No
Back Side	26590/1905	20M QPSK 1RB#0	0.709	0.395	0.040	19.49	22.70	1.485	No
Left Side	26140/1860	20M QPSK 1RB#0	0.146	0.086	0.000	19.62	22.70	0.297	Yes
Right Side	26140/1860	20M QPSK 1RB#0	0.056	0.032	0.020	19.62	22.70	0.115	Yes
Bottom Side	26140/1860	20M QPSK 1RB#0	1.320	0.713	-0.040	19.62	22.70	2.683	No
Bottom Side-repeated	26140/1860	20M QPSK 1RB#0	1.260	0.685	0.000	19.62	22.70	2.561	No
Bottom Side	26365/1882.5	20M QPSK 1RB#0	1.240	0.671	-0.060	19.47	22.70	2.609	No
Bottom Side	26590/1905	20M QPSK 1RB#0	1.180	0.631	-0.070	19.49	22.70	2.471	No
50%RB									
Front Side	26140/1860	20M QPSK 50%RB#0	0.598	0.340	0.190	19.14	21.70	1.078	Yes
Back Side	26140/1860	20M QPSK 50%RB#0	0.663	0.377	0.080	19.14	21.70	1.195	Yes
Back Side	26365/1882.5	20M QPSK 50%RB#0	0.599	0.339	0.080	19.11	21.70	1.087	Yes
Back Side	26590/1905	20M QPSK 50%RB#0	0.563	0.318	-0.110	18.99	21.70	1.051	Yes
Left Side	26140/1860	20M QPSK 50%RB#0	0.125	0.070	0.150	19.14	21.70	0.225	Yes
Right Side	26140/1860	20M QPSK 50%RB#0	0.047	0.027	0.140	19.14	21.70	0.085	Yes
Bottom Side	26140/1860	20M QPSK 50%RB#0	0.951	0.519	0.010	19.14	21.70	1.715	No
Bottom Side	26365/1882.5	20M QPSK 50%RB#0	0.953	0.516	-0.080	19.11	21.70	1.730	No
Bottom Side	26590/1905	20M QPSK 50%RB#0	0.908	0.490	-0.040	18.99	21.70	1.695	No

100%RB									
Front Side	26140/1860	20M QPSK 100%RB#0	0.593	0.334	0.020	19.12	21.70	1.074	Yes
Back Side	26140/1860	20M QPSK 100%RB#0	0.640	0.363	0.000	19.12	21.70	1.159	Yes
Bottom Side	26140/1860	20M QPSK 100%RB#0	1.000	0.545	-0.060	19.12	21.70	1.811	No

Table 224: 10-g Extremity SAR test reduction evaluation of LTE Band XXV

Note : According to the table above , 10-g Extremity SAR test is required for this frequency band.

According to the table above , only **Front Side** and **Back Side** and **Bottom Side** 10-g Extremity SAR test are required for this frequency band:

Test Position of 10-g Extremity with 0mm	Test channel / Freq.(MHz)	Test Mode	SAR Value (W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Scaled SAR _{10-g} (W/kg)	Liquid Temp.
			1-g	10-g					
1RB									
Front Side	26590/1905	20M QPSK 1RB#0	6.020	2.770	0.140	22.51	22.70	2.894	20.3°C
Front Side	26140/1860	20M QPSK 1RB#0	6.620	3.020	0.020	22.45	22.70	3.199	20.3°C
Front Side	26365/1882.5	20M QPSK 1RB#0	6.350	2.910	0.060	22.49	22.70	3.054	20.3°C
Back Side	26590/1905	20M QPSK 1RB#0	7.360	3.200	0.000	22.51	22.70	3.343	20.3°C
Back Side	26140/1860	20M QPSK 1RB#0	7.590	3.320	0.170	22.45	22.70	3.517	20.3°C
Back Side-Reteaped	26140/1860	20M QPSK 1RB#0	7.170	3.130	0.000	22.45	22.70	3.315	20.3°C
Back Side	26365/1882.5	20M QPSK 1RB#0	7.490	3.280	0.000	22.49	22.70	3.442	20.3°C
Bottom Side	26590/1905	20M QPSK 1RB#0	3.210	1.460	-0.190	22.51	22.70	1.525	20.3°C
50%RB									
Front Side	26590/1905	20M QPSK 50%RB#0	4.180	1.910	0.000	21.21	21.70	2.138	20.3°C
Front Side	26140/1860	20M QPSK 50%RB#0	4.530	2.060	-0.130	21.05	21.70	2.393	20.3°C
Front Side	26365/1882.5	20M QPSK 50%RB#0	4.400	1.990	-0.060	21.15	21.70	2.259	20.3°C
Back Side	26590/1905	20M QPSK 50%RB#0	4.930	2.100	0.190	21.21	21.70	2.351	20.3°C
Back Side	26140/1860	20M QPSK 50%RB#0	5.190	2.240	0.000	21.05	21.70	2.602	20.3°C
Back Side	26365/1882.5	20M QPSK 50%RB#0	5.080	2.190	0.000	21.15	21.70	2.486	20.3°C
Bottom Side	26590/1905	20M QPSK 50%RB#0	2.030	0.889	-0.160	21.21	21.70	0.995	20.3°C
100%RB									
Front Side	26590/1905	20M QPSK 100%RB#0	4.240	1.870	0.140	21.02	21.70	2.187	20.3°C
Back Side	26590/1905	20M QPSK 100%RB#0	4.850	2.070	0.000	21.02	21.70	2.421	20.3°C

Table 225: 10-g Extremity SAR results of LTE Band XXV

7.2.26 SAR measurement Result of LTE Band XXVI (Main Antenna)

Test Position of Head	Test channel / Freq.(MHz)	Test Mode	SAR Value (W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Scaled SAR _{1-g} (W/kg)	Liquid Temp.
			1-g	10-g					
1RB									
Left Hand Touched	26865/831.5	15M QPSK 1RB#0	0.171	0.135	0.070	22.33	23.50	0.224	21.4°C
Left Hand Tilted 15°	26865/831.5	15M QPSK 1RB#0	0.122	0.093	0.130	22.33	23.50	0.160	21.4°C
Right Hand Touched	26865/831.5	15M QPSK 1RB#0	0.193	0.152	0.030	22.33	23.50	0.253	21.4°C
Right Hand Tilted 15°	26865/831.5	15M QPSK 1RB#0	0.099	0.080	-0.050	22.33	23.50	0.130	21.4°C
Right Hand Touched	26775/822.5	15M QPSK 1RB#0	0.186	0.144	0.170	22.17	23.50	0.253	21.4°C
Right Hand Touched	26965/841.5	15M QPSK 1RB#74	0.234	0.182	0.110	22.24	23.50	0.313	21.4°C
50%RB									
Left Hand Touched	26965/841.5	20M QPSK 50%RB#18	0.150	0.103	0.150	21.17	22.50	0.204	21.4°C
Left Hand Tilted 15°	26965/841.5	20M QPSK 50%RB#18	0.096	0.067	0.080	21.17	22.50	0.130	21.4°C
Right Hand Touched	26965/841.5	20M QPSK 50%RB#18	0.178	0.123	0.120	21.17	22.50	0.242	21.4°C
Right Hand Tilted 15°	26965/841.5	20M QPSK 50%RB#18	0.093	0.065	0.110	21.17	22.50	0.127	21.4°C

Table 226: Head SAR test results of LTE Band XXVI

Test Position of Body-Worn with 15mm	Test channel / Freq.(MHz)	Test Mode	SAR Value (W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Scaled SAR _{1-g} (W/kg)	Liquid Temp.
			1-g	10-g					
1RB									
Front Side	26865/831.5	15M QPSK 1RB#0	0.193	0.146	0.010	22.33	23.50	0.253	21.5°C
Back Side	26865/831.5	15M QPSK 1RB#0	0.202	0.155	0.090	22.33	23.50	0.264	21.5°C
50%RB									
Front Side	26965/841.5	15M QPSK 50%RB#18	0.150	0.106	0.000	21.17	22.50	0.204	21.5°C
Back Side	26965/841.5	15M QPSK 50%RB#18	0.156	0.110	0.070	21.17	22.50	0.212	21.5°C

Table 227: Body-Worn SAR test results of LTE Band XXVI

Test Position of Hotspot with 10mm	Test channel / Freq.(MHz)	Test Mode	SAR Value (W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Scaled SAR _{1-g} (W/kg)	Liquid Temp.
			1-g	10-g					
1RB									
Front Side	26775/822.5	15M QPSK 1RB#0	0.160	0.093	-0.090	21.19	22.50	0.216	21.5°C
Back Side	26775/822.5	15M QPSK 1RB#0	0.195	0.113	-0.140	21.19	22.50	0.264	21.5°C
Left Side	26775/822.5	15M QPSK 1RB#0	0.101	0.068	0.060	21.19	22.50	0.137	21.5°C
Right Side	26775/822.5	15M QPSK 1RB#0	0.227	0.152	0.130	21.19	22.50	0.307	21.5°C
Bottom Side	26775/822.5	15M QPSK 1RB#0	0.124	0.073	0.096	21.19	22.50	0.168	21.5°C
50%RB									
Front Side	26775/822.5	15M QPSK 50%RB#18	0.209	0.122	0.020	21.15	21.50	0.227	21.5°C
Back Side	26775/822.5	15M QPSK 50%RB#18	0.276	0.157	0.010	21.15	21.50	0.299	21.5°C
Left Side	26775/822.5	15M QPSK 50%RB#18	0.098	0.066	0.080	21.15	21.50	0.106	21.5°C
Right Side	26775/822.5	15M QPSK 50%RB#18	0.227	0.152	0.060	21.15	21.50	0.246	21.5°C
Bottom Side	26775/822.5	15M QPSK 50%RB#18	0.129	0.076	0.050	21.15	21.50	0.140	21.5°C

Table 228: Hotspot SAR test results of LTE Band XXVI

Per KDB648474D04, when hotspot mode applies, 10-g extremity SAR is required only for the surfaces and edges with hotspot mode 1-g reported SAR > 1.2 W/kg; however, when power reduction applies to hotspot mode the measured SAR must be scaled to the maximum output power, including tolerance, allowed for phablet modes to compare with the 1.2 W/kg SAR test reduction threshold:

Test Position of Hotspot with 10mm	Test channel / Freq.(MHz)	Test Mode	SAR Value (W/kg)		Power Drift (dB)	Conduct Power (dBm)	Tune-up Power (dBm)	Scaled SAR _{1-g} (W/kg)	10-g Extremity SAR Exclusion
			1-g	10-g					
1RB									
Front Side	26775/822.5	15M QPSK 1RB#0	0.160	0.093	-0.090	21.19	23.50	0.272	Yes
Back Side	26775/822.5	15M QPSK 1RB#0	0.195	0.113	-0.140	21.19	23.50	0.332	Yes
Left Side	26775/822.5	15M QPSK 1RB#0	0.101	0.068	0.060	21.19	23.50	0.172	Yes
Right Side	26775/822.5	15M QPSK 1RB#0	0.227	0.152	0.130	21.19	23.50	0.386	Yes
Bottom Side	26775/822.5	15M QPSK 1RB#0	0.124	0.073	0.096	21.19	23.50	0.211	Yes
50%RB									
Front Side	26775/822.5	15M QPSK 50%RB#18	0.209	0.122	0.020	21.15	22.50	0.285	Yes
Back Side	26775/822.5	15M QPSK 50%RB#18	0.276	0.157	0.010	21.15	22.50	0.377	Yes
Left Side	26775/822.5	15M QPSK 50%RB#18	0.098	0.066	0.080	21.15	22.50	0.133	Yes
Right Side	26775/822.5	15M QPSK 50%RB#18	0.227	0.152	0.060	21.15	22.50	0.310	Yes
Bottom Side	26775/822.5	15M QPSK 50%RB#18	0.129	0.076	0.050	21.15	22.50	0.176	Yes

Table 229: 10-g Extremity SAR test reduction evaluation of LTE Band XXVI

Note : According to the table above , 10-g Extremity SAR test is not required for this frequency band.

7.2.27 SAR measurement Result of LTE Band XXX (Main Antenna)

Test Position of Head	Test channel / Freq.(MHz)	Test Mode	SAR Value (W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Scaled SAR _{1-g} (W/kg)	Liquid Temp.
			1-g	10-g					
1RB									
Left Hand Touched	27710/2310	10M QPSK 1RB#25	0.268	0.157	0.050	21.78	22.70	0.331	21.5°C
Left Hand Tilted 15°	27710/2310	10M QPSK 1RB#25	0.114	0.060	0.170	21.78	22.70	0.141	21.5°C
Right Hand Touched	27710/2310	10M QPSK 1RB#25	0.145	0.088	-0.100	21.78	22.70	0.179	21.5°C
Right Hand Tilted 15°	27710/2310	10M QPSK 1RB#25	0.108	0.056	0.130	21.78	22.70	0.133	21.5°C
50%RB									
Left Hand Touched	27710/2310	10M QPSK 50%RB#0	0.194	0.106	0.060	20.77	21.70	0.240	21.5°C
Left Hand Tilted 15°	27710/2310	10M QPSK 50%RB#0	0.085	0.045	0.180	20.77	21.70	0.106	21.5°C
Right Hand Touched	27710/2310	10M QPSK 50%RB#0	0.106	0.060	0.120	20.77	21.70	0.131	21.5°C
Right Hand Tilted 15°	27710/2310	10M QPSK 50%RB#0	0.080	0.041	0.110	20.77	21.70	0.099	21.5°C

Table 230: Head SAR test results of LTE Band XXX

Test Position of Body-Worn with 15mm	Test channel / Freq.(MHz)	Test Mode	SAR Value (W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Scaled SAR _{1-g} (W/kg)	Liquid Temp.
			1-g	10-g					
1RB									
Front Side	27710/2310	10M QPSK 1RB#25	0.422	0.221	0.050	21.78	22.70	0.522	21.5°C
Back Side	27710/2310	10M QPSK 1RB#25	0.388	0.207	0.160	21.78	22.70	0.480	21.5°C
50%RB									
Front Side	27710/2310	10M QPSK 50%RB#0	0.325	0.170	-0.010	20.77	21.70	0.403	21.5°C
Back Side	27710/2310	10M QPSK 50%RB#0	0.281	0.148	0.020	20.77	21.70	0.348	21.5°C

Table 231: Body-Worn SAR test results of LTE Band XXX

Test Position of Hotspot with 10mm	Test channel / Freq.(MHz)	Test Mode	SAR Value (W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Scaled SAR _{1-g} (W/kg)	Liquid Temp.
			1-g	10-g					
1RB									
Front Side	27710/2310	10M QPSK 1RB#0	0.707	0.346	0.150	19.72	20.00	0.754	21.5°C
Back Side	27710/2310	10M QPSK 1RB#0	0.657	0.317	0.140	19.72	20.00	0.701	21.5°C
Left Side	27710/2310	10M QPSK 1RB#0	0.105	0.056	0.140	19.72	20.00	0.112	21.5°C
Right Side	27710/2310	10M QPSK 1RB#0	0.091	0.049	-0.180	19.72	20.00	0.097	21.5°C
Bottom Side	27710/2310	10M QPSK 1RB#0	1.320	0.622	-0.160	19.72	20.00	1.408	21.5°C
Bottom Side-repeated	27710/2310	10M QPSK 1RB#0	1.300	0.659	-0.040	19.72	20.00	1.387	21.5°C
50%RB									
Front Side	27710/2310	10M QPSK 50%RB#13	0.657	0.317	0.160	19.52	20.00	0.734	21.5°C
Back Side	27710/2310	10M QPSK 50%RB#13	0.644	0.305	0.160	19.52	20.00	0.719	21.5°C
Left Side	27710/2310	10M QPSK 50%RB#13	0.103	0.056	-0.170	19.52	20.00	0.115	21.5°C
Right Side	27710/2310	10M QPSK 50%RB#13	0.090	0.049	-0.120	19.52	20.00	0.100	21.5°C
Bottom Side	27710/2310	10M QPSK 50%RB#13	1.290	0.634	-0.110	19.52	20.00	1.441	21.5°C
100%RB									
Bottom Side	27710/2310	10M QPSK 100%RB#0	1.280	0.643	-0.130	19.49	20.00	1.439	21.5°C

Table 232: Hotspot SAR test results of LTE Band XXX

Per KDB648474D04, when hotspot mode applies, 10-g extremity SAR is required only for the surfaces and edges with hotspot mode 1-g reported SAR > 1.2 W/kg; however, when power reduction applies to hotspot mode the measured SAR must be scaled to the maximum output power, including tolerance, allowed for phablet modes to compare with the 1.2 W/kg SAR test reduction threshold:

Test Position of Hotspot with 10mm	Test channel / Freq.(MHz)	Test Mode	SAR Value (W/kg)		Power Drift (dB)	Conduct Power (dBm)	Tune-up Power (dBm)	Scaled SAR _{1-g} (W/kg)	10-g Extremity SAR Exclusion
			1-g	10-g					
1RB									
Front Side	27710/2310	10M QPSK 1RB#0	0.707	0.346	0.150	19.72	22.70	1.404	No
Back Side	27710/2310	10M QPSK 1RB#0	0.657	0.317	0.140	19.72	22.70	1.305	No
Left Side	27710/2310	10M QPSK 1RB#0	0.105	0.056	0.140	19.72	22.70	0.209	Yes
Right Side	27710/2310	10M QPSK 1RB#0	0.091	0.049	-0.180	19.72	22.70	0.181	Yes
Bottom Side	27710/2310	10M QPSK 1RB#0	1.320	0.622	-0.160	19.72	22.70	2.622	No
Bottom Side-repeated	27710/2310	10M QPSK 1RB#0	1.300	0.659	-0.040	19.72	22.70	2.582	No
50%RB									
Front Side	27710/2310	10M QPSK 50%RB#13	0.657	0.317	0.160	19.50	21.70	1.090	Yes
Back Side	27710/2310	10M QPSK 50%RB#13	0.644	0.305	0.160	19.50	21.70	1.069	Yes
Left Side	27710/2310	10M QPSK 50%RB#13	0.103	0.056	-0.170	19.50	21.70	0.171	Yes
Right Side	27710/2310	10M QPSK 50%RB#13	0.090	0.049	-0.120	19.50	21.70	0.149	Yes
Bottom Side	27710/2310	10M QPSK 50%RB#13	1.290	0.634	-0.110	19.50	21.70	2.141	No
100%RB									
Bottom Side	27710/2310	10M QPSK 100%RB#0	1.280	0.643	-0.130	19.49	21.70	2.129	No

Table 233: 10-g Extremity SAR test reduction evaluation of LTE Band XXX

Note : According to the table above , 10-g Extremity SAR test is required for this frequency band.

According to the table above , only **Front Side** and **Back Side** and **Bottom Side** 10-g Extremity SAR test are required for this frequency band:

Test Position of 10-g Extremity with 0mm	Test channel / Freq.(MHz)	Test Mode	SAR Value (W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Scaled SAR _{10-g} (W/kg)	Liquid Temp.
			1-g	10-g					
1RB									
Front Side	27710/2310	10M QPSK 1RB#25	6.800	2.460	-0.040	21.78	22.70	3.040	21.5°C
Front Side	27710/2310	10M QPSK 1RB#25	7.520	2.640	0.180	21.78	22.70	3.263	21.1°C
Back Side	27710/2310	10M QPSK 1RB#25	7.420	2.400	0.000	21.78	22.70	2.966	21.5°C
Bottom Side	27710/2310	10M QPSK 1RB#25	3.040	1.170	0.020	21.78	22.70	1.446	21.5°C
50%RB									
Front Side	27710/2310	10M QPSK 50%RB#0	5.140	1.790	0.170	20.77	21.70	2.217	21.5°C
Back Side	27710/2310	10M QPSK 50%RB#0	5.740	1.790	0.120	20.77	21.70	2.217	21.5°C
Bottom Side	27710/2310	10M QPSK 50%RB#0	2.210	0.833	-0.100	20.77	21.70	1.032	21.5°C
100%RB									
Front Side	27710/2310	10M QPSK 100%RB#0	4.230	1.670	0.130	20.63	21.70	2.137	21.5°C
Back Side	27710/2310	10M QPSK 100%RB#0	4.740	1.790	0.160	20.63	21.70	2.290	21.5°C

Table 234: 10-g Extremity SAR results of LTE Band XXX