

5 MHz	1RB High (24)	1711.5	22.19	22.19	21.26
		1777.5	22.32	22.63	22.56
		1745	22.36	22.79	22.42
		1712.5	22.29	22.61	22.19
	1RB Middle (12)	1777.5	22.32	22.71	22.53
		1745	22.26	22.40	22.55
		1712.5	22.44	22.35	22.39
	1RB Low (0)	1777.5	22.55	22.75	22.50
		1745	22.47	22.50	22.40
		1712.5	22.44	22.52	22.65
	12RB High (13)	1777.5	22.46	22.55	22.48
		1745	22.36	22.31	21.43
		1712.5	22.28	22.24	21.30
	12RB Middle (6)	1777.5	22.49	22.49	22.43
		1745	22.41	22.44	21.48
		1712.5	22.46	22.41	21.49
	12RB Low (0)	1777.5	22.60	22.50	22.54
		1745	22.38	22.52	21.44
		1712.5	22.34	22.25	21.32
	25RB (0)	1777.5	22.52	22.54	22.53
		1745	22.47	22.43	21.51
1712.5		22.29	22.34	21.36	
10 MHz	1RB High (49)	1775	22.82	22.97	22.97
		1745	22.84	22.96	22.60
		1715	22.72	22.86	22.96
	1RB Middle (24)	1775	22.60	22.92	22.61
		1745	22.46	22.59	22.21
		1715	22.49	22.55	22.45
	1RB Low (0)	1775	21.97	22.01	21.92
		1745	21.76	21.91	21.95
		1715	21.87	21.93	21.87
	25RB High (25)	1775	22.56	22.58	22.53
		1745	22.47	22.50	21.52
		1715	22.41	22.46	21.46
	25RB Middle (12)	1775	22.58	22.66	22.57
		1745	22.49	22.60	21.45
		1715	22.29	22.40	21.26
	25RB Low (0)	1775	22.40	22.43	22.33
		1745	22.30	22.34	21.04
		1715	22.39	22.36	21.37
	50RB (0)	1775	22.55	22.61	22.64
		1745	22.51	22.46	21.41
		1715	22.37	22.37	21.26
15 MHz	1RB High (74)	1772.5	22.50	22.72	22.58
		1745	22.44	22.69	22.44
		1717.5	22.49	22.36	22.20
	1RB Middle	1772.5	22.25	22.38	22.28
		1745	22.43	22.48	22.09

	(37)	1717.5	22.18	22.35	22.40	
	1RB Low (0)	1772.5	22.98	22.65	22.84	
		1745	22.64	22.56	22.45	
		1717.5	22.70	22.82	22.66	
	36RB High (38)	1772.5	22.25	22.19	22.12	
		1745	22.38	22.28	22.31	
		1717.5	22.27	22.29	22.23	
	36RB Middle (19)	1772.5	22.45	22.36	22.40	
		1745	22.35	22.18	22.36	
		1717.5	22.39	22.29	22.16	
	36RB Low (0)	1772.5	22.51	22.49	22.43	
		1745	22.43	22.09	22.19	
		1717.5	22.38	22.32	22.16	
	75RB (0)	1772.5	22.35	22.42	22.31	
		1745	22.35	22.34	22.30	
		1717.5	22.29	22.25	22.24	
	<b>20 MHz</b>	1RB High (99)	1770	22.65	22.70	22.58
			1745	22.61	22.72	22.62
			1720	22.63	22.96	22.96
		1RB Middle (50)	1770	22.19	22.43	22.69
			1745	22.39	22.28	22.30
1720			22.07	22.39	22.31	
1RB Low (0)		1770	22.02	22.29	22.23	
		1745	21.96	22.19	22.10	
		1720	22.22	22.17	22.06	
50RB High (50)		1770	22.25	22.21	21.29	
		1745	22.22	22.02	21.44	
		1720	22.36	22.36	21.30	
50RB Middle (25)		1770	22.27	22.33	21.04	
		1745	22.26	22.17	21.25	
		1720	22.23	21.98	21.21	
50RB Low (0)		1770	22.15	22.26	21.18	
		1745	22.10	22.20	21.07	
		1720	22.03	22.33	21.19	
100RB (0)		1770	22.27	22.27	21.25	
		1745	22.31	22.01	21.17	
		1720	22.14	22.12	21.18	

## Power Level C1

Band 7					
Bandwidth (MHz)	RB allocation	Frequency (MHz)	QPSK	16QAM	64QAM
	RB offset (Start RB)		Actual output power (dBm)	Actual output power (dBm)	Actual output power (dBm)
5 MHz	1RB High (24)	2567.5	16.72	16.99	16.87
		2535	16.48	16.87	16.58
		2502.5	17.07	17.31	17.10
	1RB Middle (12)	2567.5	16.82	17.24	17.05
		2535	16.24	16.68	16.67
		2502.5	17.10	17.46	17.34
	1RB Low (0)	2567.5	17.01	17.18	17.20
		2535	16.72	16.83	16.75
		2502.5	17.17	17.58	17.39
	12RB High (13)	2567.5	16.86	16.90	16.86
		2535	16.45	16.51	16.38
		2502.5	17.04	17.11	17.08
	12RB Middle (6)	2567.5	16.84	16.88	16.78
		2535	16.50	16.46	16.54
		2502.5	17.06	17.08	17.10
	12RB Low (0)	2567.5	16.91	16.94	16.81
		2535	16.53	16.53	16.40
		2502.5	17.28	17.21	17.21
	25RB (0)	2567.5	16.84	16.99	16.86
		2535	16.54	16.52	16.52
		2502.5	17.10	17.15	17.06
10 MHz	1RB High (49)	2565	16.88	17.41	17.05
		2535	16.50	16.87	16.80
		2505	17.09	17.35	17.31
	1RB Middle (24)	2565	16.87	17.00	16.99
		2535	16.44	16.76	16.68
		2505	17.05	17.47	17.23
	1RB Low (0)	2565	17.07	17.36	17.25
		2535	16.85	16.92	17.03
		2505	17.32	17.73	17.49
	25RB High (25)	2565	16.89	16.79	16.88
		2535	16.47	16.50	16.46
		2505	16.97	17.08	17.00
	25RB Middle (12)	2565	16.86	16.86	16.86
		2535	16.46	16.49	16.46
		2505	17.07	17.09	17.14
	25RB Low (0)	2565	16.87	16.89	16.89
		2535	16.56	16.59	16.53
		2505	17.17	17.20	17.19
50RB (0)	2565	16.90	16.81	16.80	
	2535	16.47	16.50	16.53	

		2505	17.17	17.17	17.18
15 MHz	1RB High (74)	2562.5	16.82	17.12	16.91
		2535	16.64	16.90	16.65
		2507.5	16.80	17.07	17.02
	1RB Middle (37)	2562.5	16.72	17.11	17.07
		2535	16.69	16.96	16.77
		2507.5	17.04	17.40	17.31
	1RB Low (0)	2562.5	16.59	17.16	16.99
		2535	16.77	17.01	16.84
		2507.5	17.09	17.39	17.46
	36RB High (38)	2562.5	16.79	16.90	16.74
		2535	16.71	16.56	16.49
		2507.5	17.07	17.03	16.93
	36RB Middle (19)	2562.5	16.84	16.85	16.90
		2535	16.71	16.65	16.69
		2507.5	17.14	17.12	17.08
	36RB Low (0)	2562.5	16.81	16.71	16.76
		2535	16.78	16.58	16.61
		2507.5	17.19	17.18	17.15
	75RB (0)	2562.5	16.82	16.73	16.77
		2535	16.67	16.59	16.64
		2507.5	17.19	17.09	17.02
20 MHz	1RB High (99)	2560	16.89	17.28	16.99
		2535	17.06	17.41	17.40
		2510	16.69	16.96	16.90
	1RB Middle (50)	2560	17.17	17.76	17.59
		2535	17.02	17.55	17.24
		2510	16.65	16.97	17.00
	1RB Low (0)	2560	17.32	17.51	17.57
		2535	16.83	17.17	17.11
		2510	16.53	17.04	16.74
	50RB High (50)	2560	17.08	17.15	17.03
		2535	17.15	17.08	17.12
		2510	16.66	16.68	16.65
	50RB Middle (25)	2560	17.25	17.24	17.21
		2535	17.06	17.22	17.13
		2510	16.67	16.70	16.68
	50RB Low (0)	2560	17.23	17.34	17.21
		2535	16.98	16.98	17.03
		2510	16.67	16.71	16.75
	100RB (0)	2560	17.12	17.13	17.12
		2535	17.04	17.08	17.07
		2510	16.79	16.69	16.75

LTEB41					
BANDWIDTH	Number of RBs	Frequency	QPSK	16QAM	64QAM
5MHz	1RB-High (24)	2652.5 (41215)	17.72	17.52	17.32
		2613.5 (40825)	17.61	17.65	17.32
		2575.5(40445)	17.80	17.88	17.62
		2537.5 (40065)	17.61	17.72	17.46
	1RB-Middle (12)	2652.5 (41215)	17.73	17.67	17.33
		2613.5 (40825)	17.92	17.81	17.52
		2575.5(40445)	17.93	17.92	17.61
		2537.5 (40065)	17.79	17.73	17.37
	1RB-Low (0)	2652.5 (41215)	17.80	17.66	17.46
		2613.5 (40825)	17.98	17.94	17.55
		2575.5(40445)	17.97	17.81	17.44
		2537.5 (40065)	17.81	17.88	17.50
	12RB-High (13)	2652.5 (41215)	17.59	17.57	17.55
		2613.5 (40825)	17.69	17.65	17.60
		2575.5(40445)	17.83	17.70	17.80
		2537.5 (40065)	17.64	17.61	17.53
	12RB-Middle (6)	2652.5 (41215)	17.69	17.61	17.72
		2613.5 (40825)	17.82	17.70	17.74
		2575.5(40445)	17.91	17.85	17.80
		2537.5 (40065)	17.72	17.61	17.70
	12RB-Low (0)	2652.5 (41215)	17.63	17.59	17.58
		2613.5 (40825)	17.75	17.72	17.77
		2575.5(40445)	17.86	17.97	17.86
		2537.5 (40065)	17.75	17.71	17.62
	25RB (0)	2652.5 (41215)	17.64	17.66	17.67
		2613.5 (40825)	17.85	17.78	17.74
		2575.5(40445)	17.86	17.88	17.83
		2537.5 (40065)	17.70	17.70	17.66
10MHz	1RB-High (49)	2650 (41190)	17.81	17.85	17.59
		2612 (40810)	17.88	17.86	17.76
		2576(40450)	18.05	18.02	17.91
		2540 (40090)	17.74	17.71	17.58
	1RB-Middle (24)	2650 (41190)	17.69	17.79	17.18
		2612 (40810)	17.75	17.79	17.46
		2576(40450)	17.92	17.64	17.43
		2540 (40090)	17.65	17.51	17.18
	1RB-Low (0)	2650 (41190)	17.85	18.02	17.49
		2612 (40810)	18.18	18.17	17.60
		2576(40450)	18.14	18.11	17.76

	25RB-High (25)	2540 (40090)	17.98	18.03	17.71
		2650 (41190)	17.63	17.63	17.62
		2612 (40810)	17.68	17.70	17.66
		2576(40450)	17.91	17.90	17.86
		2540 (40090)	17.64	17.65	17.61
	25RB-Middle (12)	2650 (41190)	17.67	17.71	17.68
		2612 (40810)	17.79	17.75	17.70
		2576(40450)	17.86	17.87	17.68
		2540 (40090)	17.70	17.70	17.65
	25RB-Low (0)	2650 (41190)	17.69	17.76	17.60
		2612 (40810)	17.87	17.89	17.79
		2576(40450)	17.85	17.87	17.76
		2540 (40090)	17.74	17.85	17.68
	50RB (0)	2650 (41190)	17.69	17.77	17.72
		2612 (40810)	17.70	17.85	17.80
		2576(40450)	17.91	17.96	17.74
2540 (40090)		17.70	17.75	17.59	
15MHz	1RB-High (74)	2647.5 (41165)	17.26	17.00	17.00
		2612.5 (40815)	17.20	17.24	17.01
		2577.5(40465)	17.50	17.36	17.16
		2542.5 (40115)	17.18	17.20	17.00
	1RB-Middle (37)	2647.5 (41165)	18.07	18.03	17.61
		2612.5 (40815)	18.14	18.23	17.67
		2577.5(40465)	18.29	18.31	17.83
		2542.5 (40115)	18.06	18.10	17.64
	1RB-Low (0)	2647.5 (41165)	17.56	17.60	17.30
		2612.5 (40815)	17.96	17.80	17.57
		2577.5(40465)	17.89	17.78	17.55
		2542.5 (40115)	17.79	17.74	17.54
	36RB-High (38)	2647.5 (41165)	17.60	17.50	17.67
		2612.5 (40815)	17.68	17.79	17.81
		2577.5(40465)	18.01	18.05	18.03
		2542.5 (40115)	17.66	17.69	17.61
	36RB-Middle (19)	2647.5 (41165)	18.02	17.94	17.98
		2612.5 (40815)	18.15	18.04	18.01
		2577.5(40465)	18.33	18.21	18.25
		2542.5 (40115)	18.10	18.01	18.01
	36RB-Low (0)	2647.5 (41165)	18.02	18.10	18.04
		2612.5 (40815)	18.19	18.07	18.14
		2577.5(40465)	18.27	18.36	18.32
		2542.5 (40115)	18.19	18.13	18.09
75RB (0)	2647.5 (41165)	17.98	17.85	17.85	

		2612.5 (40815)	17.92	17.99	18.08
		2577.5(40465)	18.28	18.21	18.19
		2542.5 (40115)	17.93	17.95	18.03
20MHz	1RB-High (99)	2645 (41140)	17.93	17.69	17.56
		2611 (40800)	17.65	17.62	17.36
		2578 (40470)	17.85	17.91	17.47
		2545 (40140)	18.48	18.49	18.26
	1RB-Middle (50)	2645 (41140)	18.10	18.16	17.84
		2611 (40800)	17.78	17.78	17.41
		2578 (40470)	18.04	18.14	17.53
		2545 (40140)	18.70	18.71	18.29
	1RB-Low (0)	2645 (41140)	18.10	17.98	17.61
		2611 (40800)	17.80	17.72	17.37
		2578 (40470)	18.38	18.30	18.10
		2545 (40140)	18.74	18.84	18.41
	50RB-High (50)	2645 (41140)	17.88	18.00	17.95
		2611 (40800)	17.66	17.76	17.62
		2578 (40470)	17.99	17.99	17.88
		2545 (40140)	18.56	18.62	18.56
	50RB-Middle (25)	2645 (41140)	18.00	18.03	18.04
		2611 (40800)	17.71	17.73	17.66
		2578 (40470)	18.10	18.05	18.00
		2545 (40140)	18.69	18.75	18.68
	50RB-Low (0)	2645 (41140)	17.95	18.04	17.98
		2611 (40800)	17.68	17.77	17.68
		2578 (40470)	18.19	18.25	18.19
		2545 (40140)	18.67	18.72	18.66
	100RB (0)	2645 (41140)	18.04	18.09	18.14
		2611 (40800)	17.73	17.71	17.74
		2578 (40470)	18.12	18.12	18.16
		2545 (40140)	18.56	18.61	18.64

Uplink maximum output power is measured with downlink carrier aggregation active, using the channel with highest measured maximum output power when downlink carrier aggregation is inactive. SAR test is not required since maximum output power when downlink carrier aggregation active is not more than ¼ dB higher than the maximum output power measured when downlink carrier aggregation inactive.

### 11.4 Wi-Fi and BT Measurement result

The maximum output power of BT is 11.02dBm.

The maximum tune up of BT is 12.5dBm.

Low power for WLAN by Simultaneous transmission.

The average conducted power for Wi-Fi is as following:

**The conducted output power for WiFi 2.4G Normal power is as following:**

802.11b	Channel\data rate	1Mbps
WLAN2450	11(2462MHz)	18.01
	6(2437(MHz)	18.12
	1(2412MHz)	18.24
TUNE UP		<b>18.50</b>
802.11g	Channel\data rate	6Mbps
WLAN2450	11(2462MHz)	16.08
	6(2437(MHz)	16.32
	1(2412MHz)	16.51
TUNE UP		<b>17.50</b>
802.11n-20MHz	Channel\data rate	MCS0
WLAN2450	11(2462MHz)	14.60
	6(2437(MHz)	15.18
	1(2412MHz)	15.09
TUNE UP		<b>16.50</b>
802.11n-40MHz	Channel\data rate	MCS0
WLAN2450	9(2452MHz)	14.74
	6(2437MHz)	13.90
	3(2422MHz)	13.50
TUNE UP		<b>15.00</b>



The conducted output power for WiFi 2.4G Low power is as following:

802.11b	Channel\data rate	1Mbps
WLAN2450	11(2462MHz)	14.88
	6(2437(MHz)	15.03
	1(2412MHz)	15.09
TUNE UP		<b>16.00</b>
802.11g	Channel\data rate	6Mbps
WLAN2450	11(2462MHz)	13.13
	6(2437(MHz)	13.42
	1(2412MHz)	13.56
TUNE UP		<b>14.00</b>
802.11n-20MHz	Channel\data rate	13.00
WLAN2450	11(2462MHz)	13.13
	6(2437(MHz)	13.44
	1(2412MHz)	13.55
TUNE UP		<b>14.00</b>
802.11n-40MHz	Channel\data rate	MCS0
WLAN2450	9(2452MHz)	15.11
	6(2437MHz)	14.11
	3(2422MHz)	13.59
TUNE UP		<b>15.50</b>

The conducted output power for WiFi 5G Normal power -Head is as following:

802.11a(dBm)	
Channel\data rate	6Mbps
36(5180 MHz)	12.28
40(5200 MHz)	12.46
44(5220 MHz)	12.74
48(5240 MHz)	12.67
TUNE UP	<b>13.00</b>
52(5260 MHz)	12.39
56(5280 MHz)	12.08
60(5300 MHz)	11.91
64(5320 MHz)	11.32
TUNE UP	<b>13.00</b>
100(5500 MHz)	12.15
104(5520 MHz)	12.37
108(5540 MHz)	12.44
112(5560 MHz)	12.27

116(5580 MHz)	12.13
120(5600 MHz)	11.91
124(5620 MHz)	11.89
128(5640 MHz)	11.92
132(5660 MHz)	11.90
136(5680 MHz)	12.27
140(5700 MHz)	12.72
144(5720 MHz)	13.00
TUNE UP	<b>13.50</b>
149(5745 MHz)	13.04
153(5765 MHz)	13.62
157(5785 MHz)	13.68
161(5805 MHz)	13.63
165(5825 MHz)	13.42
TUNE UP	<b>14.00</b>

The conducted output power for WiFi 5G Low power -Head is as following:

802.11a(dBm)	
Channel\data rate	6Mbps
36(5180 MHz)	10.48
40(5200 MHz)	10.66
44(5220 MHz)	11.16
48(5240 MHz)	11.10
TUNE UP	<b>11.50</b>
52(5260 MHz)	10.62
56(5280 MHz)	10.31
60(5300 MHz)	10.14
64(5320 MHz)	9.51
TUNE UP	<b>11.50</b>
100(5500 MHz)	10.32
104(5520 MHz)	10.54
108(5540 MHz)	10.62
112(5560 MHz)	10.45
116(5580 MHz)	10.32
120(5600 MHz)	10.12
124(5620 MHz)	10.11
128(5640 MHz)	10.11
132(5660 MHz)	10.07
136(5680 MHz)	10.45
140(5700 MHz)	10.60
144(5720 MHz)	10.91
TUNE UP	<b>11.00</b>

149(5745 MHz)	11.08
153(5765 MHz)	11.68
157(5785 MHz)	11.71
161(5805 MHz)	11.56
165(5825 MHz)	11.34
TUNE UP	<b>12.00</b>

The conducted output power for WiFi 5G Normal power -Body is as following:

802.11a(dBm)	
Channel\data rate	6Mbps
36(5180 MHz)	16.28
40(5200 MHz)	16.46
44(5220 MHz)	16.62
48(5240 MHz)	16.46
TUNE UP	<b>17.00</b>
52(5260 MHz)	15.98
56(5280 MHz)	15.69
60(5300 MHz)	15.50
64(5320 MHz)	14.64
TUNE UP	<b>16.50</b>
100(5500 MHz)	15.71
104(5520 MHz)	15.87
108(5540 MHz)	15.91
112(5560 MHz)	15.75
116(5580 MHz)	15.61
120(5600 MHz)	15.76
124(5620 MHz)	15.82
128(5640 MHz)	15.93
132(5660 MHz)	15.91
136(5680 MHz)	16.40
140(5700 MHz)	16.36
144(5720 MHz)	16.66
TUNE UP	<b>17.00</b>
149(5745 MHz)	16.48
153(5765 MHz)	17.17
157(5785 MHz)	17.54
161(5805 MHz)	17.26
165(5825 MHz)	17.45
TUNE UP	<b>18.00</b>

The conducted output power for WiFi 5G Low power -Body is as following:

802.11a(dBm)	
Channel\data rate	6Mbps

36(5180 MHz)	14.32
40(5200 MHz)	14.58
44(5220 MHz)	14.65
48(5240 MHz)	14.49
TUNE UP	<b>14.80</b>
52(5260 MHz)	14.45
56(5280 MHz)	14.08
60(5300 MHz)	13.93
64(5320 MHz)	13.35
TUNE UP	<b>15.00</b>
100(5500 MHz)	14.16
104(5520 MHz)	14.36
108(5540 MHz)	14.45
112(5560 MHz)	14.26
116(5580 MHz)	14.14
120(5600 MHz)	14.13
124(5620 MHz)	14.13
128(5640 MHz)	14.15
132(5660 MHz)	14.14
136(5680 MHz)	14.51
140(5700 MHz)	14.88
144(5720 MHz)	15.13
TUNE UP	<b>16.00</b>
149(5745 MHz)	15.17
153(5765 MHz)	15.72
157(5785 MHz)	15.73
161(5805 MHz)	15.73
165(5825 MHz)	15.59
TUNE UP	<b>16.00</b>

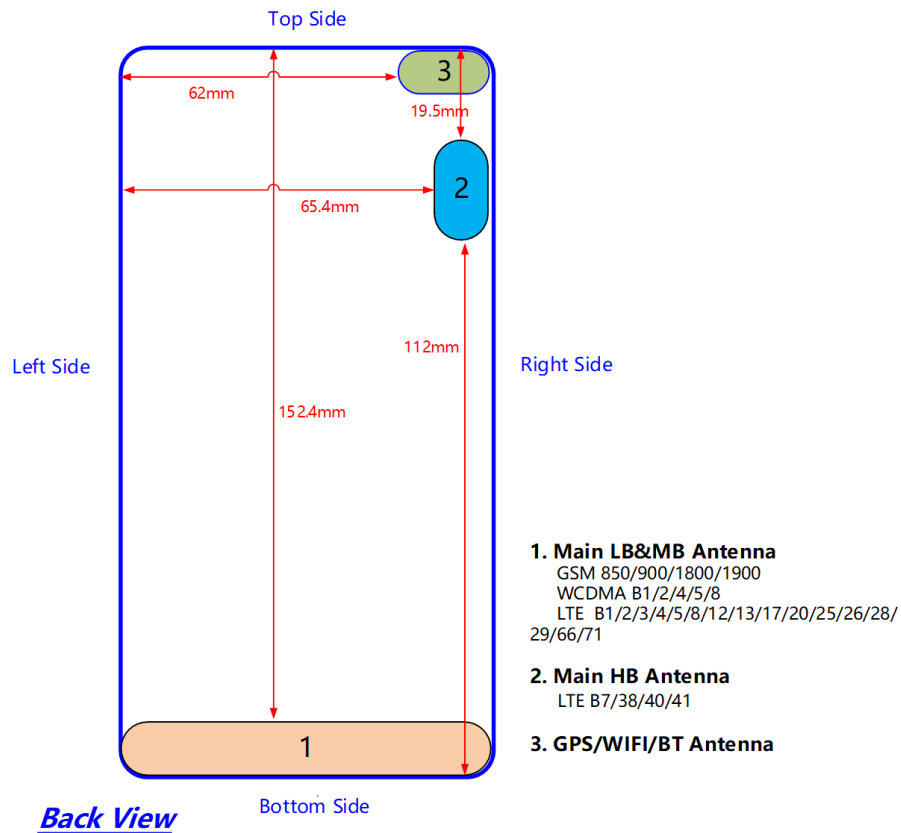
## 12 Simultaneous TX SAR Considerations

### 12.1 Introduction

The following procedures adopted from “FCC SAR Considerations for Cell Phones with Multiple Transmitters” are applicable to handsets with built-in unlicensed transmitters such as 802.11 a/b/g and Bluetooth devices which may simultaneously transmit with the licensed transmitter.

For this device, the BT and Wi-Fi can transmit simultaneous with other transmitters.

## 12.2 Transmit Antenna Separation Distances



Picture 12.1 Antenna Locations

## 12.3 SAR Measurement Positions

According to the KDB941225 D06 Hot Spot SAR v01, the edges with less than 2.5 cm distance to the antennas need to be tested for SAR.

SAR measurement positions						
Mode	Front	Rear	Left edge	Right edge	Top edge	Bottom edge
ANT1	Yes	Yes	Yes	Yes	No	Yes
ANT2	Yes	Yes	Yes	No	Yes	No
ANT3	Yes	Yes	Yes	No	Yes	No

## 12.4 Standalone SAR Test Exclusion Considerations

Standalone 1-g head or body SAR evaluation by measurement or numerical simulation is not required when the corresponding SAR Exclusion Threshold condition, listed below, is satisfied. The 1-g SAR test exclusion threshold for 100 MHz to 6 GHz at test separation distances  $\leq 50$  mm

are determined by:

$[(\text{max. power of channel, including tune-up tolerance, mW}) / (\text{min. test separation distance, mm})] \cdot$

$[\sqrt{f(\text{GHz})}] \leq 3.0$  for 1-g SAR, where

- f(GHz) is the RF channel transmit frequency in GHz
- Power and distance are rounded to the nearest mW and mm before calculation
- The result is rounded to one decimal place for comparison

**Table 12.1: Standalone SAR test exclusion considerations**

Band/Mode	F(GHz)	Position	SAR test exclusion threshold(mW)	RF output power		SAR test exclusion
				dBm	mW	
Bluetooth	2.441	Head	9.60	12.5	17.78	No
		Body	19.20	12.5	17.78	Yes
2.4GHz WLAN	2.45	Head	9.58	18.5	70.79	No
		Body	19.17	18.5	70.79	No
5GHz WLAN	5.2	Head	6.58	13	19.95	No
		Body	13.16	17	50.12	No
	5.3	Head	6.52	13	19.95	No
		Body	13.03	16.5	44.67	No
	5.6	Head	6.34	13.5	44.67	No
		Body	12.68	17	50.12	No
	5.8	Head	6.23	14	25.12	No
		Body	12.46	18	63.10	No

### 13 Evaluation of Simultaneous

**Table 13.1: The sum of SAR values for Main antenna + WiFi-2.4G**

	Position	Band	Cellular antenna	WiFi	Sum
<b>Maximum reported SAR value for Body</b>	Rear 10mm	LTEB41	1.04	0.33	<b>1.37</b>

Note1: we have evaluated and chose the highest value of WiFi 2.4G and 5G in the above table.

**Table 13.2: The sum of reported SAR values for Main antenna + WiFi-5G**

	Position	Band	Cellular antenna	WiFi-5G	Sum
<b>Maximum reported SAR value for Body</b>	Rear 10mm	LTEB41	1.04	0.42	<b>1.46</b>

**Table 13.3: The sum of SAR values for Main antenna +BT**

	Position	Band	Cellular antenna	BT	Sum
<b>Maximum reported SAR value for Extremity SAR</b>	Bottom 10mm	LTEB25	1.34	<0.01	<b>1.34</b>

Note1: the test positions of above tables are for the worse case that have been evaluated.

[1] – The head SAR of BT is too low to get it, so the “<0.01” is used to indicate the head SAR of BT.

**Table 13.4: The sum of reported SAR values for Main antenna and WiFi-2.4G**

	Position	Band	Cellular antenna	WiFi	Sum
<b>Maximum reported SAR value for Extremity SAR</b>	Rear 0mm	LTEB7	2.85	0.86	<b>3.71</b>

Note1: we have evaluated and chose the highest value of WiFi 2.4G and 5G in the above table.

**Table 13.5: The sum of reported SAR values for Main antenna + WiFi-5G**

	Position	Band	Cellular antenna	WiFi-5G	Sum
<b>Maximum reported SAR value for Extremity SAR</b>	Rear 0mm	LTEB7	2.85	0.90	<b>3.75</b>

## 14 SAR Test Result

It is determined by user manual for the distance between the EUT and the phantom bottom. The distance is 10 mm or 15mm and just applied to the condition of body worn accessory.

It is performed for all SAR measurements with area scan based 1-g SAR estimation (Fast SAR). A zoom scan measurement is added when the estimated 1-gSAR is the highest measured SAR in each exposure configuration, wireless mode and frequency band combination or more than 1.2W/kg.

The calculated SAR is obtained by the following formula:

$$\text{Reported SAR} = \text{Measured SAR} \times 10^{(P_{\text{Target}} - P_{\text{Measured}})/10}$$

Where  $P_{\text{Target}}$  is the power of manufacturing upper limit;

$P_{\text{Measured}}$  is the measured power in chapter 11.

**Table 14.1: Duty Cycle**

<b>Mode</b>	<b>Duty Cycle</b>
GPRS&EGPRS for GSM850	1:2.6
GPRS&EGPRS for GSM 1900	1:4
WCDMA&LTE FDD	1:1
LTE TDD	1:1.58



### 14.1 SAR results for Fast SAR

**Table 14.1-1: SAR Values (GSM 850 MHz Band - Head)**

Frequency		Side	Test Position	Figure No./Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(10g) (W/kg)	Reported SAR(10g) (W/kg)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift (dB)
Ch.	MHz										
190	836.6	Left	Cheek	/	29.2	31	0.156	<b>0.24</b>	0.198	<b>0.30</b>	0.1
190	836.6	Left	Tilt	/	29.2	31	0.105	<b>0.16</b>	0.131	<b>0.20</b>	-0.12
251	848.8	Right	Cheek	/	29.32	31	0.171	<b>0.25</b>	0.218	<b>0.32</b>	0.12
190	836.6	Right	Cheek	Fig.1	29.2	31	0.197	<b>0.30</b>	0.252	<b>0.38</b>	-0.11
128	824.2	Right	Cheek	/	29.14	31	0.183	<b>0.28</b>	0.238	<b>0.37</b>	-0.13
190	836.6	Right	Tilt	/	29.2	31	0.122	<b>0.18</b>	0.154	<b>0.23</b>	0.03
190	836.6	Right	Cheek	B2	29.2	31	0.193	<b>0.29</b>	0.248	<b>0.38</b>	0.06

Note: the head SAR of GSM850 is tested with GPRS (3Txslots) mode because of VoIP.

**Table 14.1-2: SAR Values (GSM 850 MHz Band - Body)**

Frequency		Mode (number of timeslots)	Test Position	Figure No./Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(10g) (W/kg)	Reported SAR(10g) (W/kg)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift (dB)
Ch.	MHz										
190	836.6	GPRS (3)	Front	/	29.2	31	0.112	<b>0.17</b>	0.168	<b>0.25</b>	0.19
251	848.8	GPRS (3)	Rear	Fig.2	29.32	31	0.178	<b>0.26</b>	0.313	<b>0.46</b>	-0.01
190	836.6	GPRS (3)	Rear	/	29.2	31	0.18	<b>0.27</b>	0.305	<b>0.46</b>	0.19
128	824.2	GPRS (3)	Rear	/	29.14	31	0.181	<b>0.28</b>	0.295	<b>0.45</b>	-0.14
190	836.6	GPRS (3)	Left	/	29.2	31	0.081	<b>0.12</b>	0.12	<b>0.18</b>	0.11
190	836.6	GPRS (3)	Right	/	29.2	31	0.124	<b>0.19</b>	0.184	<b>0.28</b>	0.1
190	836.6	GPRS (3)	Bottom	/	29.2	31	0.063	<b>0.10</b>	0.121	<b>0.18</b>	-0.19
251	848.8	EGPRS (3)	Rear	/	29.24	31	0.175	<b>0.26</b>	0.31	<b>0.46</b>	-0.12
251	848.8	GPRS (3)	Rear	B2	29.32	31	0.173	<b>0.25</b>	0.307	<b>0.45</b>	0.01

Note: The distance between the EUT and the phantom bottom is 10mm.

**Table 14.1-3: SAR Values (GSM 1900 MHz Band - Head)**

Frequency		Side	Test Position	Figure No./Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(10g) (W/kg)	Reported SAR(10g) (W/kg)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift (dB)
Ch.	MHz										
810	1909.8	Left	Cheek	Fig.3	27.15	28	0.056	<b>0.07</b>	0.086	<b>0.10</b>	0.07
661	1880	Left	Cheek	/	27.63	28	0.039	<b>0.04</b>	0.065	<b>0.07</b>	-0.08
512	1850.2	Left	Cheek	/	27.77	28	0.026	<b>0.03</b>	0.036	<b>0.04</b>	-0.04
661	1880	Left	Tilt	/	27.63	28	0.036	<b>0.04</b>	0.054	<b>0.06</b>	0

661	1880	Right	Cheek	/	27.63	28	0.036	<b>0.04</b>	0.055	<b>0.06</b>	0.11
661	1880	Right	Tilt	/	27.63	28	0.033	<b>0.04</b>	0.049	<b>0.05</b>	0.18
810	1909.8	Left	Cheek	B	27.15	28	0.051	<b>0.06</b>	0.082	<b>0.10</b>	0.09

Note: the head SAR of GSM1900 is tested with GPRS (2Txslots) mode because of VoIP.

**Table 14.1-4: SAR Values (GSM 1900 MHz Band - Body)**

Ambient Temperature: 22.9 °C					Liquid Temperature: 22.5 °C						
Frequency		Mode (number of timeslots)	Test Position	Figure No./ Note	Conducted Power (dBm)	Max. tune- up Power (dBm)	Measured SAR(10g) (W/kg)	Reported SAR(10g) (W/kg)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift (dB)
Ch.	MHz										
661	1880	GPRS (2)	Front	/	27.63	28	0.218	<b>0.24</b>	0.391	<b>0.43</b>	-0.12
661	1880	GPRS (2)	Rear	/	27.63	28	0.252	<b>0.27</b>	0.466	<b>0.51</b>	0.05
661	1880	GPRS (2)	Left	/	27.63	28	0.043	<b>0.05</b>	0.071	<b>0.08</b>	0.15
661	1880	GPRS (2)	Right	/	27.63	28	0.033	<b>0.04</b>	0.055	<b>0.06</b>	0.16
810	1909.8	GPRS (2)	Bottom	Fig.4	27.15	28	0.558	<b>0.68</b>	1.08	<b>1.31</b>	0.04
661	1880	GPRS (2)	Bottom	/	27.63	28	0.492	<b>0.54</b>	0.967	<b>1.05</b>	-0.12
512	1850.2	GPRS (2)	Bottom	/	27.77	28	0.539	<b>0.57</b>	1.05	<b>1.11</b>	0.09
810	1909.8	EGPRS (2)	Bottom	/	27.04	28	0.536	<b>0.67</b>	1.01	<b>1.26</b>	0.04
810	1909.8	GPRS (2)	Bottom	B2	27.15	28	0.551	<b>0.67</b>	0.996	<b>1.21</b>	-0.02

Note: The distance between the EUT and the phantom bottom is 10mm.

**Table 14.1-5: SAR Values (WCDMA 850 MHz Band - Head)**

Ambient Temperature: 22.9 °C					Liquid Temperature: 22.5 °C						
Frequency		Side	Test Position	Figure No./N ote	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measure d SAR(10g ) (W/kg)	Reported SAR(10g) (W/kg)	Measured SAR(1g) (W/kg)	Reporte d SAR(1g) (W/kg)	Power Drift (dB)
Ch.	MHz										
4183	836.6	Left	Cheek	/	24.07	24.5	0.154	<b>0.17</b>	0.195	<b>0.22</b>	0.09
4183	836.6	Left	Tilt	/	24.07	24.5	0.1	<b>0.11</b>	0.126	<b>0.14</b>	-0.09
4233	846.6	Right	Cheek	/	24.29	24.5	0.185	<b>0.19</b>	0.239	<b>0.25</b>	0.13
4183	836.6	Right	Cheek	Fig.9	24.07	24.5	0.189	<b>0.21</b>	0.243	<b>0.27</b>	0.09
4132	826.4	Right	Cheek	/	24.02	24.5	0.178	<b>0.20</b>	0.230	<b>0.26</b>	0.14
4183	836.6	Right	Tilt	/	24.07	24.5	0.114	<b>0.13</b>	0.143	<b>0.16</b>	0.02
4183	836.6	Right	Cheek	B2	24.07	24.5	0.183	<b>0.20</b>	0.235	<b>0.26</b>	0.08

**Table 14.1-6: SAR Values (WCDMA 850 MHz Band - Body)**

Ambient Temperature: 22.9 °C					Liquid Temperature: 22.5 °C						
Frequency		Test Position	Figure No./ Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(10g) (W/kg)	Reported SAR(10g) (W/kg)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift (dB)	
Ch.	MHz										
4183	836.6	Front	/	24.07	24.5	0.123	<b>0.14</b>	0.201	<b>0.22</b>	-0.08	
4233	846.6	Rear	Fig.10	24.29	24.5	0.202	<b>0.21</b>	0.362	<b>0.38</b>	-0.08	
4183	836.6	Rear	/	24.07	24.5	0.18	<b>0.20</b>	0.32	<b>0.35</b>	0.15	

4132	826.4	Rear	/	24.02	24.5	0.172	<b>0.19</b>	0.298	<b>0.33</b>	0.13
4183	836.6	Left	/	24.07	24.5	0.085	<b>0.09</b>	0.134	<b>0.15</b>	0.05
4183	836.6	Right	/	24.07	24.5	0.146	<b>0.16</b>	0.228	<b>0.25</b>	-0.14
4183	836.6	Bottom	/	24.07	24.5	0.064	<b>0.07</b>	0.132	<b>0.15</b>	0.11
4233	846.6	Rear	B2	24.29	24.5	0.216	<b>0.23</b>	0.356	<b>0.37</b>	-0.09

Note: The distance between the EUT and the phantom bottom is 10mm.

**Table 14.1-7: SAR Values (WCDMA 1700 MHz Band - Head)**

Ambient Temperature: 22.9 °C						Liquid Temperature: 22.5 °C					
Frequency		Side	Test Position	Figure No./Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(10g) (W/kg)	Reported SAR(10g) (W/kg)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift (dB)
Ch.	MHz										
1412	1732.4	Left	Cheek	/	24.4	24.5	0.099	<b>0.10</b>	0.14	<b>0.14</b>	-0.12
1412	1732.4	Left	Tilt	/	24.4	24.5	0.089	<b>0.09</b>	0.134	<b>0.14</b>	-0.19
1513	1752.6	Right	Cheek	/	24.32	24.5	0.124	<b>0.13</b>	0.186	<b>0.19</b>	0.06
1412	1732.4	Right	Cheek	Fig.7	24.4	24.5	0.127	<b>0.13</b>	0.196	<b>0.20</b>	0.01
1312	1712.4	Right	Cheek	/	24.35	24.5	0.103	<b>0.11</b>	0.153	<b>0.16</b>	-0.12
1412	1732.4	Right	Tilt	/	24.4	24.5	0.069	<b>0.07</b>	0.099	<b>0.10</b>	-0.05
1412	1732.4	Right	Cheek	B2	24.4	24.5	0.122	<b>0.12</b>	0.189	<b>0.19</b>	-0.07

**Table 14.1-8: SAR Values (WCDMA 1700 MHz Band - Body)**

Ambient Temperature: 22.9 °C						Liquid Temperature: 22.5 °C					
Frequency		Test Position	Figure No./Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(10g) (W/kg)	Reported SAR(10g) (W/kg)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift (dB)	
Ch.	MHz										
1412	1732.5	Front	/	22.42	22.5	0.24	<b>0.24</b>	0.408	<b>0.42</b>	-0.16	
1513	1752.6	Rear	/	22.46	22.5	0.331	<b>0.33</b>	0.585	<b>0.59</b>	-0.15	
1412	1732.5	Rear	/	22.42	22.5	0.358	<b>0.36</b>	0.637	<b>0.65</b>	-0.01	
1312	1712.4	Rear	/	22.27	22.5	0.376	<b>0.40</b>	0.678	<b>0.71</b>	-0.12	
1412	1732.5	Left	/	22.42	22.5	0.07	<b>0.07</b>	0.112	<b>0.11</b>	-0.17	
1412	1732.5	Right	/	22.42	22.5	0.054	<b>0.06</b>	0.088	<b>0.09</b>	-0.18	
1513	1752.6	Bottom	/	22.46	22.5	0.507	<b>0.51</b>	0.951	<b>0.96</b>	0.09	
1412	1732.5	Bottom	/	22.42	22.5	0.545	<b>0.56</b>	1.02	<b>1.04</b>	-0.16	
1312	1712.4	Bottom	Fig.8	22.27	22.5	0.56	<b>0.59</b>	1.05	<b>1.11</b>	0.07	
1312	1712.4	Bottom	B	22.27	22.5	0.549	<b>0.58</b>	0.993	<b>1.05</b>	-0.14	

Note1: The distance between the EUT and the phantom bottom is 10mm.

**Table 14.1-9: SAR Values (WCDMA 1900 MHz Band - Head)**

Frequency		Side	Test Position	Figure No./ Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(10g) (W/kg)	Reported SAR(10g) (W/kg)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift (dB)
Ch.	MHz										
Ambient Temperature: 22.9 °C      Liquid Temperature: 22.5 °C											
9400	1880	Left	Cheek	/	23.56	24	0.114	<b>0.13</b>	0.174	<b>0.19</b>	-0.05
9400	1880	Left	Tilt	/	23.56	24	0.122	<b>0.14</b>	0.196	<b>0.22</b>	-0.18
9538	1907.6	Right	Cheek	Fig.5	23.36	24	0.138	<b>0.16</b>	0.217	<b>0.25</b>	-0.03
9400	1880	Right	Cheek	/	23.56	24	0.129	<b>0.14</b>	0.201	<b>0.22</b>	-0.15
9262	1852.4	Right	Cheek	/	23.32	24	0.099	<b>0.12</b>	0.155	<b>0.18</b>	0.15
9400	1880	Right	Tilt	/	23.56	24	0.102	<b>0.11</b>	0.155	<b>0.17</b>	-0.05
9538	1907.6	Right	Cheek	B2	23.36	24	0.133	<b>0.15</b>	0.213	<b>0.25</b>	0.08

**Table 14.1-10: SAR Values (WCDMA 1900 MHz Band - Body)**

Frequency		Test Position	Figure No./ Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(10g) (W/kg)	Reported SAR(10g) (W/kg)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift (dB)
Ch.	MHz									
Ambient Temperature: 22.9 °C      Liquid Temperature: 22.5 °C										
9400	1880	Front	/	21.42	21.5	0.27	<b>0.28</b>	0.493	<b>0.50</b>	0.15
9538	1907.6	Rear	/	21.12	21.5	0.338	<b>0.37</b>	0.638	<b>0.70</b>	-0.12
9400	1880	Rear	/	21.42	21.5	0.422	<b>0.43</b>	0.807	<b>0.82</b>	-0.1
9262	1852.4	Rear	/	21.3	21.5	0.427	<b>0.45</b>	0.819	<b>0.86</b>	0.08
9400	1880	Left	/	21.42	21.5	0.052	<b>0.05</b>	0.088	<b>0.09</b>	-0.03
9400	1880	Right	/	21.42	21.5	0.039	<b>0.04</b>	0.066	<b>0.07</b>	0.16
9538	1907.6	Bottom	/	21.12	21.5	0.571	<b>0.62</b>	1.1	<b>1.20</b>	0
9400	1880	Bottom	Fig.6	21.42	21.5	0.652	<b>0.66</b>	1.26	<b>1.28</b>	0.09
9262	1852.4	Bottom	/	21.30	21.5	0.628	<b>0.66</b>	1.21	<b>1.27</b>	0.16
9400	1880	Bottom	B2	21.42	21.5	0.639	<b>0.65</b>	1.170	<b>1.19</b>	-0.04
9400	1880	Bottom	H1	21.42	21.5	0.608	<b>0.62</b>	1.09	<b>1.11</b>	0.03
9400	1880	Bottom	H2	21.42	21.5	0.601	<b>0.61</b>	1.12	<b>1.14</b>	0.02

Note1: The distance between the EUT and the phantom bottom is 10mm.

**Table 14.1-11: SAR Values (LTE Band7 - Head)**

Frequency		Ambient Temperature: 22.9 °C					Liquid Temperature: 22.5 °C					
Ch.	MHz	Mode	Side	Test Position	Figure No./ Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(10g) (W/kg)	Reported SAR(10g) (W/kg)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift (dB)
20850	2510	1RB-Low	Left	Cheek	/	23.33	23.5	0.098	<b>0.10</b>	0.207	<b>0.22</b>	-0.15
20850	2510	1RB-Low	Left	Tilt	/	23.33	23.5	0.037	<b>0.04</b>	0.065	<b>0.07</b>	-0.19
20850	2510	1RB-Low	Right	Cheek	/	23.33	23.5	0.282	<b>0.29</b>	0.646	<b>0.67</b>	-0.04
20850	2510	1RB-Low	Right	Tilt	/	23.33	23.5	0.111	<b>0.12</b>	0.224	<b>0.23</b>	-0.06
20850	2510	50RB-Low	Left	Cheek	/	23.34	23.5	0.103	<b>0.11</b>	0.212	<b>0.22</b>	0.14
20850	2510	50RB-Low	Left	Tilt	/	23.34	23.5	0.034	<b>0.04</b>	0.067	<b>0.07</b>	0.06
20850	2510	50RB-Low	Right	Cheek	Fig.11	23.34	23.5	0.289	<b>0.30</b>	0.657	<b>0.68</b>	0.04
20850	2510	50RB-Low	Right	Tilt	/	23.34	23.5	0.105	<b>0.11</b>	0.214	<b>0.22</b>	0.15
20850	2510	50RB-Low	Right	Cheek	B2	23.34	23.5	0.28	<b>0.29</b>	0.648	<b>0.67</b>	0.08
20850	2510	50RB-Low	Right	Cheek	Note2	23.34	23.5	0.253	<b>0.26</b>	0.506	<b>0.52</b>	0.05

Note1: The LTE mode is QPSK\_20MHz.

Note2: TPU Protective case

**Table 14.1-12: SAR Values (LTE Band7 - Body)**

Frequency		Ambient Temperature: 22.9 °C					Liquid Temperature: 22.5 °C					
Ch.	MHz	Mode	Test Position	Figure No./ Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(10g) (W/kg)	Reported SAR(10g) (W/kg)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift (dB)	
20850	2510	Front	1RB-low	/	13.94	14.5	0.000	<b>0.00</b>	0.000	<b>0.00</b>	0.12	
20850	2510	Rear	1RB-low	/	13.94	14.5	0.099	<b>0.11</b>	0.255	<b>0.29</b>	0.06	
20850	2510	Left	1RB-low	/	13.94	14.5	0.025	<b>0.03</b>	0.056	<b>0.06</b>	-0.19	
20850	2510	Right	1RB-low	/	13.94	14.5	0.000	<b>0.00</b>	0.000	<b>0.00</b>	0.07	
20850	2510	Top	1RB-low	/	13.94	14.5	0.000	<b>0.00</b>	0.000	<b>0.00</b>	-0.15	
20850	2510	Front	50RB-Low	/	13.87	14.5	0.000	<b>0.00</b>	0.000	<b>0.00</b>	-0.1	
20850	2510	Rear	50RB-Low	Fig.12	13.87	14.5	0.128	<b>0.15</b>	0.329	<b>0.38</b>	0.03	
20850	2510	Left	50RB-Low	/	13.87	14.5	0.028	<b>0.03</b>	0.065	<b>0.08</b>	-0.04	
20850	2510	Right	50RB-Low	/	13.87	14.5	0.000	<b>0.00</b>	0.000	<b>0.00</b>	-0.18	
20850	2510	Top	50RB-Low	/	13.87	14.5	0.000	<b>0.00</b>	0.000	<b>0.00</b>	0.16	
20850	2510	Rear	50RB-Low	B2	13.87	14.5	0.122	<b>0.14</b>	0.322	<b>0.37</b>	0.07	

Note1: The distance between the EUT and the phantom bottom is 10mm.

Note3: The LTE mode is QPSK\_20MHz.

**Table 14.1-13: SAR Values (LTE Band7 - Body)**

Frequency		Mode	Test Position	Figure No./ Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(10g) (W/kg)	Reported SAR(10g) (W/kg)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift (dB)
Ch.	MHz										
Ambient Temperature: 22.9°C      Liquid Temperature: 22.5°C											
21350	2560	1RB-Low	Front	/	17.32	18	0.022	<b>0.03</b>	0.041	<b>0.05</b>	-0.04
21350	2560	1RB-Low	Rear	/	17.32	18	0.414	<b>0.48</b>	0.913	<b>1.07</b>	0.02
21100	2535	1RB-High	Rear	/	17.32	18	0.393	<b>0.46</b>	0.87	<b>1.02</b>	0.03
20850	2510	1RB-High	Rear	/	17.32	18	0.252	<b>0.29</b>	0.551	<b>0.64</b>	0.05
21350	2560	50RB-Mid	Front	/	17.25	18	0.023	<b>0.03</b>	0.041	<b>0.05</b>	-0.06
21350	2560	50RB-Mid	Rear	/	17.25	18	0.418	<b>0.50</b>	0.913	<b>1.09</b>	0.11
21100	2535	50RB-Low	Rear	/	17.25	18	0.31	<b>0.37</b>	0.677	<b>0.80</b>	0.07
20850	2510	50RB-Low	Rear	/	17.25	18	0.188	<b>0.22</b>	0.41	<b>0.49</b>	0.02
21350	2560	100RB	Rear	Fig.13	17.12	18	0.428	<b>0.52</b>	0.938	<b>1.15</b>	0.06
21350	2560	100RB	Rear	B2	17.12	18	0.421	<b>0.52</b>	0.93	<b>1.14</b>	-0.04

Note1: The distance between the EUT and the phantom bottom is 15mm.

**Table 14.1-14: SAR Values (LTE Band12 - Head)**

Frequency		Mode	Side	Test Position	Figure No.	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(10g) (W/kg)	Reported SAR(10g) (W/kg)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift (dB)
Ch.	MHz											
Ambient Temperature: 22.9°C      Liquid Temperature: 22.5°C												
23060	704	1RB-Low	Left	Cheek	/	23.04	24.5	0.096	<b>0.13</b>	0.12	<b>0.17</b>	-0.15
23060	704	1RB-Low	Left	Tilt	/	23.04	24.5	0.049	<b>0.07</b>	0.061	<b>0.09</b>	-0.09
23060	704	1RB-Low	Right	Cheek	Fig.14	23.04	24.5	0.099	<b>0.14</b>	0.126	<b>0.18</b>	-0.19
23060	704	1RB-Low	Right	Tilt	/	23.04	24.5	0.05	<b>0.07</b>	0.062	<b>0.09</b>	-0.04
23095	707.5	25RB-Low	Left	Cheek	/	22.74	23.5	0.085	<b>0.10</b>	0.107	<b>0.13</b>	0.01
23095	707.5	25RB-Low	Left	Tilt	/	22.74	23.5	0.039	<b>0.05</b>	0.048	<b>0.06</b>	0.1
23095	707.5	25RB-Low	Right	Cheek	/	22.74	23.5	0.092	<b>0.11</b>	0.117	<b>0.14</b>	-0.09
23095	707.5	25RB-Low	Right	Tilt	/	22.74	23.5	0.043	<b>0.05</b>	0.054	<b>0.06</b>	0.05
23060	704	1RB-Low	Right	Cheek	B2	23.04	24.5	0.094	<b>0.13</b>	0.121	<b>0.17</b>	0.07

Note1: The LTE mode is QPSK\_10MHz.

**Table 14.1-15: SAR Values (LTE Band12 - Body)**

Ambient Temperature: 22.9 °C						Liquid Temperature: 22.5 °C					
Frequency		Mode	Test Position	Figure No.	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(10g) (W/kg)	Reported SAR(10g) (W/kg)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift (dB)
Ch.	MHz										
23060	704	1RB-Low	Front	/	23.04	24.5	0.1	<b>0.14</b>	0.118	<b>0.17</b>	0.12
23060	704	1RB-Low	Rear	Fig.15	23.04	24.5	0.118	<b>0.17</b>	0.152	<b>0.21</b>	0.05
23060	704	1RB-Low	Left	/	23.04	24.5	0.104	<b>0.15</b>	0.133	<b>0.19</b>	-0.18
23060	704	1RB-Low	Right	/	23.04	24.5	0.094	<b>0.13</b>	0.122	<b>0.17</b>	0.17
23060	704	1RB-Low	Bottom	/	23.04	24.5	0.027	<b>0.04</b>	0.047	<b>0.07</b>	-0.15
23095	707.5	25RB-Low	Front	/	22.74	23.5	0.089	<b>0.11</b>	0.106	<b>0.13</b>	-0.02
23095	707.5	25RB-Low	Rear	/	22.74	23.5	0.113	<b>0.13</b>	0.143	<b>0.17</b>	0.19
23095	707.5	25RB-Low	Left	/	22.74	23.5	0.087	<b>0.10</b>	0.111	<b>0.13</b>	-0.06
23095	707.5	25RB-Low	Right	/	22.74	23.5	0.079	<b>0.09</b>	0.1	<b>0.12</b>	0.03
23095	707.5	25RB-Low	Bottom	/	22.74	23.5	0.026	<b>0.03</b>	0.044	<b>0.05</b>	0.09
23060	704	1RB-Low	Rear	B2	23.04	24.5	0.112	<b>0.16</b>	0.146	<b>0.20</b>	0.07

Note1: The distance between the EUT and the phantom bottom is 10mm.

Note2: The LTE mode is QPSK\_10MHz.

**Table 14.1-16: SAR Values (LTE Band13 - Head)**

Ambient Temperature: 22.9 °C						Liquid Temperature: 22.5 °C						
Frequency		Mode	Side	Test Position	Figure No.	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(10g) (W/kg)	Reported SAR(10g) (W/kg)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift (dB)
Ch.	MHz											
23230	782	1RB-High	Left	Cheek	/	23.06	24.5	0.103	<b>0.14</b>	0.131	<b>0.18</b>	0.18
23230	782	1RB-High	Left	Tilt	/	23.06	24.5	0.073	<b>0.10</b>	0.089	<b>0.12</b>	0.07
23230	782	1RB-High	Right	Cheek	Fig.16	23.06	24.5	0.125	<b>0.17</b>	0.16	<b>0.22</b>	0.05
23230	782	1RB-High	Right	Tilt	/	23.06	24.5	0.082	<b>0.11</b>	0.101	<b>0.14</b>	0.05
23230	782	25RB-Low	Left	Cheek	/	22.99	23.5	0.099	<b>0.11</b>	0.125	<b>0.14</b>	0
23230	782	25RB-Low	Left	Tilt	/	22.99	23.5	0.068	<b>0.08</b>	0.083	<b>0.09</b>	-0.12
23230	782	25RB-Low	Right	Cheek	/	22.99	23.5	0.117	<b>0.13</b>	0.148	<b>0.17</b>	0.03
23230	782	25RB-Low	Right	Tilt	/	22.99	23.5	0.078	<b>0.09</b>	0.095	<b>0.11</b>	-0.19
23230	782	1RB-High	Right	Cheek	B2	23.06	24.5	0.121	<b>0.17</b>	0.155	<b>0.22</b>	0.05

Note1: The LTE mode is QPSK\_10MHz.

**Table 14.1-17: SAR Values (LTE Band13 - Body)**

Frequency		Mode	Test Position	Figure No.	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(10g) (W/kg)	Reported SAR(10g) (W/kg)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift (dB)
Ch.	MHz										
Ambient Temperature: 22.9°C      Liquid Temperature: 22.5°C											
23230	782	1RB-High	Front	/	23.06	24.5	0.107	<b>0.15</b>	0.136	<b>0.19</b>	-0.04
23230	782	1RB-High	Rear	Fig.17	23.06	24.5	0.139	<b>0.19</b>	0.179	<b>0.25</b>	-0.03
23230	782	1RB-High	Left	/	23.06	24.5	0.083	<b>0.12</b>	0.115	<b>0.16</b>	0.09
23230	782	1RB-High	Right	/	23.06	24.5	0.132	<b>0.18</b>	0.178	<b>0.25</b>	0.04
23230	782	1RB-High	Bottom	/	23.06	24.5	0.042	<b>0.06</b>	0.083	<b>0.12</b>	-0.02
23230	782	25RB-Low	Front	/	22.99	23.5	0.106	<b>0.12</b>	0.136	<b>0.15</b>	0.1
23230	782	25RB-Low	Rear	/	22.99	23.5	0.137	<b>0.15</b>	0.174	<b>0.20</b>	0
23230	782	25RB-Low	Left	/	22.99	23.5	0.086	<b>0.10</b>	0.119	<b>0.13</b>	-0.19
23230	782	25RB-Low	Right	/	22.99	23.5	0.127	<b>0.14</b>	0.172	<b>0.19</b>	-0.12
23230	782	25RB-Low	Bottom	/	22.99	23.5	0.039	<b>0.04</b>	0.079	<b>0.09</b>	-0.13
23230	782	1RB-High	Rear	B2	23.06	24.5	0.133	<b>0.19</b>	0.172	<b>0.24</b>	-0.12

Note1: The distance between the EUT and the phantom bottom is 10mm.

Note2: The LTE mode is QPSK\_10MHz.

**Table 14.1-18: SAR Values (LTE Band25 - Head)**

Frequency		Mode	Side	Test Position	Figure No.	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(10g) (W/kg)	Reported SAR(10g) (W/kg)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift (dB)
Ch.	MHz											
Ambient Temperature: 22.9°C      Liquid Temperature: 22.5°C												
26365	1882.5	1RB-Low	Left	Cheek	/	24.06	24.5	0.08	<b>0.09</b>	0.115	<b>0.13</b>	-0.07
26365	1882.5	1RB-Low	Left	Tilt	Fig.18	24.06	24.5	0.091	<b>0.10</b>	0.141	<b>0.16</b>	0.04
26365	1882.5	1RB-Low	Right	Cheek	/	24.06	24.5	0.09	<b>0.10</b>	0.138	<b>0.15</b>	0.1
26365	1882.5	1RB-Low	Right	Tilt	/	24.06	24.5	0.08	<b>0.09</b>	0.116	<b>0.13</b>	0.08
26140	1860	50RB-Mid	Left	Cheek	/	23.03	23.5	0.052	<b>0.06</b>	0.075	<b>0.08</b>	0.15
26140	1860	50RB-Mid	Left	Tilt	/	23.03	23.5	0.06	<b>0.07</b>	0.093	<b>0.10</b>	-0.01
26140	1860	50RB-Mid	Right	Cheek	/	23.03	23.5	0.059	<b>0.07</b>	0.089	<b>0.10</b>	0.02
26140	1860	50RB-Mid	Right	Tilt	/	23.03	23.5	0.049	<b>0.05</b>	0.073	<b>0.08</b>	0.1
26365	1882.5	1RB-Low	Left	Tilt	B2	24.06	24.5	0.084	<b>0.09</b>	0.133	<b>0.15</b>	-0.17

Note1: The LTE mode is QPSK\_20MHz.



**Table 14.1-19: SAR Values (LTE Band25 - Body)**

Frequency		Mode	Test Position	Figure No.	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(10g) (W/kg)	Reported SAR(10g) (W/kg)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift (dB)
Ch.	MHz										
Ambient Temperature: 22.9 °C      Liquid Temperature: 22.5 °C											
26140	1860	1RB-Low	Front	/	20.94	21.5	0.239	<b>0.27</b>	0.432	<b>0.49</b>	0.13
26140	1860	1RB-Low	Rear	/	20.94	21.5	0.298	<b>0.34</b>	0.548	<b>0.62</b>	0.02
26140	1860	1RB-Low	Left	/	20.94	21.5	0.027	<b>0.03</b>	0.044	<b>0.05</b>	-0.13
26140	1860	1RB-Low	Right	/	20.94	21.5	0.033	<b>0.04</b>	0.057	<b>0.06</b>	0.04
26590	1905	1RB-Mid	Bottom	/	20.94	21.5	0.58	<b>0.66</b>	1.1	<b>1.25</b>	0.01
26365	1882.5	1RB-Low	Bottom	Fig.19	20.94	21.5	0.615	<b>0.70</b>	1.18	<b>1.34</b>	-0.02
26140	1860	1RB-Low	Bottom	/	20.94	21.5	0.583	<b>0.66</b>	1.12	<b>1.27</b>	-0.05
26140	1860	50RB-Low	Front	/	21.08	21.5	0.234	<b>0.26</b>	0.424	<b>0.47</b>	0
26140	1860	50RB-Low	Rear	/	21.08	21.5	0.293	<b>0.32</b>	0.538	<b>0.59</b>	-0.01
26140	1860	50RB-Low	Left	/	21.08	21.5	0.03	<b>0.03</b>	0.05	<b>0.06</b>	0.08
26140	1860	50RB-Low	Right	/	21.08	21.5	0.036	<b>0.04</b>	0.06	<b>0.07</b>	-0.1
26590	1905	50RB-Low	Bottom	/	21.08	21.5	0.594	<b>0.65</b>	1.14	<b>1.26</b>	0.14
26365	1882.5	50RB-Low	Bottom	/	21.08	21.5	0.594	<b>0.65</b>	1.14	<b>1.26</b>	-0.07
26140	1860	50RB-Low	Bottom	/	21.08	21.5	0.593	<b>0.65</b>	1.14	<b>1.26</b>	-0.17
26140	1860	100RB	Bottom	/	20.94	21.5	0.573	<b>0.65</b>	1.08	<b>1.23</b>	-0.14
26365	1882.5	1RB-Low	Bottom	B2	20.94	21.5	0.584	<b>0.66</b>	1.09	<b>1.24</b>	0.08
26365	1882.5	1RB-Low	Bottom	H1	20.94	21.5	0.579	<b>0.66</b>	1.04	<b>1.18</b>	0.11
26365	1882.5	1RB-Low	Bottom	H2	20.94	21.5	0.576	<b>0.66</b>	1.03	<b>1.17</b>	0.03
26365	1882.5	1RB-Low	Bottom	Note2	20.94	21.5	0.488	<b>0.56</b>	0.933	<b>1.06</b>	-0.05

Note1: The distance between the EUT and the phantom bottom is 10mm

Note2: TPU Protective case

**Table 14.1-20: SAR Values (LTE Band26 - Head)**

Frequency		Ambient Temperature: 22.9 °C					Liquid Temperature: 22.5 °C					
Ch.	MHz	Mode	Side	Test Position	Figure No.	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(10g) (W/kg)	Reported SAR(10g) (W/kg)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift (dB)
26865	831.5	1RB-High	Left	Cheek	/	23.26	24.5	0.135	<b>0.18</b>	0.172	<b>0.23</b>	-0.06
26865	831.5	1RB-High	Left	Tilt	/	23.26	24.5	0.086	<b>0.11</b>	0.107	<b>0.14</b>	-0.11
26865	831.5	1RB-High	Right	Cheek	Fig.20	23.26	24.5	0.165	<b>0.22</b>	0.214	<b>0.28</b>	0.01
26865	831.5	1RB-High	Right	Tilt		23.26	24.5	0.093	<b>0.12</b>	0.116	<b>0.15</b>	0.18
26865	831.5	36RB-Low	Left	Cheek		23.14	23.5	0.126	<b>0.14</b>	0.161	<b>0.17</b>	0.12
26865	831.5	36RB-Low	Left	Tilt		23.14	23.5	0.07	<b>0.08</b>	0.087	<b>0.09</b>	-0.01
26865	831.5	36RB-Low	Right	Cheek		23.14	23.5	0.148	<b>0.16</b>	0.192	<b>0.21</b>	-0.09
26865	831.5	36RB-Low	Right	Tilt		23.14	23.5	0.083	<b>0.09</b>	0.103	<b>0.11</b>	0.07
26865	831.5	1RB-High	Right	Cheek	B2	23.26	24.5	0.158	<b>0.21</b>	0.297	<b>0.40</b>	0.15

Note1: The LTE mode is QPSK\_15MHz.

**Table 14.1-21: SAR Values (LTE Band26 - Body)**

Frequency		Ambient Temperature: 22.9 °C					Liquid Temperature: 22.5 °C					
Ch.	MHz	Mode	Test Position	Figure No.	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(10g) (W/kg)	Reported SAR(10g) (W/kg)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift (dB)	
26865	831.5	1RB-High	Front	/	23.26	24.5	0.11	<b>0.15</b>	0.191	<b>0.25</b>	-0.07	
26865	831.5	1RB-High	Rear	Fig.21	23.26	24.5	0.138	<b>0.18</b>	0.239	<b>0.32</b>	-0.01	
26865	831.5	1RB-High	Left	/	23.26	24.5	0.069	<b>0.09</b>	0.132	<b>0.18</b>	-0.06	
26865	831.5	1RB-High	Right	/	23.26	24.5	0.112	<b>0.15</b>	0.21	<b>0.28</b>	0.08	
26865	831.5	1RB-High	Bottom	/	23.26	24.5	0.052	<b>0.07</b>	0.137	<b>0.18</b>	-0.07	
26865	831.5	36RB-Low	Front	/	23.14	23.5	0.092	<b>0.10</b>	0.176	<b>0.19</b>	0.11	
26865	831.5	36RB-Low	Rear	/	23.14	23.5	0.119	<b>0.13</b>	0.207	<b>0.22</b>	-0.07	
26865	831.5	36RB-Low	Left	/	23.14	23.5	0.064	<b>0.07</b>	0.123	<b>0.13</b>	0.13	
26865	831.5	36RB-Low	Right	/	23.14	23.5	0.095	<b>0.10</b>	0.178	<b>0.19</b>	-0.04	
26865	831.5	36RB-Low	Bottom	/	23.14	23.5	0.043	<b>0.05</b>	0.114	<b>0.12</b>	0.08	
26865	831.5	1RB-High	Rear	B2	23.26	24.5	0.131	<b>0.17</b>	0.233	<b>0.31</b>	0.04	

Note1: The distance between the EUT and the phantom bottom is 10mm.

Note2: The LTE mode is QPSK\_15MHz.

**Table 14.1-22: SAR Values (LTE Band41- Head)**

Frequency		Ambient Temperature: 22.9 °C					Liquid Temperature: 22.5°C					
Ch.	MHz	Mode	Side	Test Position	Figure No.	Conducted Power (dBm)	tune-up Power (dBm)	Measured SAR(10g) (W/kg)	Reported SAR(10g) (W/kg)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift (dB)
40470	2578	1RB-Mid	Left	Cheek	/	24.37	24.5	0.082	<b>0.08</b>	0.175	<b>0.18</b>	0.03
40470	2578	1RB-Mid	Left	Tilt	/	24.37	24.5	0.043	<b>0.04</b>	0.098	<b>0.10</b>	0.01
40470	2578	1RB-Mid	Right	Cheek	Fig.22	24.37	24.5	0.236	<b>0.24</b>	0.543	<b>0.56</b>	0.05
40470	2578	1RB-Mid	Right	Tilt	/	24.37	24.5	0.091	<b>0.09</b>	0.186	<b>0.19</b>	0.18
40470	2578	50RB-Mid	Left	Cheek	/	23.38	23.5	0.064	<b>0.07</b>	0.139	<b>0.14</b>	0.15
40470	2578	50RB-Mid	Left	Tilt	/	23.38	23.5	0.036	<b>0.04</b>	0.087	<b>0.09</b>	-0.15
40470	2578	50RB-Mid	Right	Cheek	/	23.38	23.5	0.197	<b>0.20</b>	0.472	<b>0.49</b>	-0.16
40470	2578	50RB-Mid	Right	Tilt	/	23.38	23.5	0.073	<b>0.08</b>	0.151	<b>0.16</b>	-0.1
40470	2578	1RB-Mid B	Right	Cheek	B2	24.37	24.5	0.228	<b>0.23</b>	0.534	<b>0.55</b>	0.04

Note1: The LTE mode is QPSK\_20MHz.

**Table 14.1-23: SAR Values (LTE Band41- Body)**

Frequency		Ambient Temperature: 22.9 °C					Liquid Temperature: 22.5°C					
Ch.	MHz	Mode	Test Position	Figure No.	Conducted Power (dBm)	tune-up Power (dBm)	Measured SAR(10g) (W/kg)	Reported SAR(10g) (W/kg)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift (dB)	
40800	2611	1RB-Low	Front	/	15.72	16.5	<0.01	<0.01	<0.01	<0.01	/	
41140	2645	1RB-Middle	Rear	/	15.49	16.5	0.155	<b>0.20</b>	0.359	<b>0.45</b>	0.06	
40800	2611	1RB-Low	Rear	Fig.23	15.72	16.5	0.347	<b>0.42</b>	0.869	<b>1.04</b>	0.05	
40470	2578	1RB-Low	Rear	/	15.59	16.5	0.301	<b>0.37</b>	0.75	<b>0.92</b>	0.09	
40140	2545	1RB-Low	Rear	/	15.43	16.5	0.252	<b>0.32</b>	0.58	<b>0.74</b>	-0.14	
40140	2545	1RB-Low	Left	/	15.72	16.5	0.111	<b>0.13</b>	0.235	<b>0.28</b>	-0.05	
40800	2611	1RB-Low	Right	/	15.72	16.5	<0.01	<0.01	<0.01	<0.01	/	
40800	2611	1RB-Low	Top	/	15.72	16.5	<0.01	<0.01	<0.01	<0.01	/	
41140	2645	50RB-High	Front	/	15.62	16.5	<0.01	<0.01	<0.01	<0.01	/	
41140	2645	50RB-High	Rear	/	15.62	16.5	0.139	<b>0.17</b>	0.345	<b>0.42</b>	0.03	
41140	2645	50RB-High	Left	/	15.62	16.5	0.044	<b>0.05</b>	0.091	<b>0.11</b>	0.19	
41140	2645	50RB-High	Right	/	15.62	16.5	<0.01	<0.01	<0.01	<0.01	/	
41140	2645	50RB-High	Top	/	15.62	16.5	<0.01	<0.01	<0.01	<0.01	/	
40800	2611	1RB-Low	Rear	B2	15.72	16.5	0.339	<b>0.41</b>	0.862	<b>1.03</b>	0.08	

Note1: The distance between the EUT and the phantom bottom is 10mm.

Note2: The LTE mode is QPSK\_20MHz.

**Table 14.1-24: SAR Values (LTE Band41 - Body)**

Frequency		Mode	Test Position	Figure No.	Conducted Power (dBm)	tune-up Power (dBm)	Measured SAR(10g) (W/kg)	Reported SAR(10g) (W/kg)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift (dB)
Ch.	MHz										
Ambient Temperature: 22.9 °C      Liquid Temperature: 22.5 °C											
40140	2545	1RB-Low	Front	/	18.74	19	<0.01	<0.01	<0.01	<0.01	/
41140	2645	1RB-Low	Rear	/	18.1	19	0.070	<b>0.09</b>	0.155	<b>0.19</b>	-0.17
40800	2611	1RB-Low	Rear	/	17.8	19	0.139	<b>0.18</b>	0.307	<b>0.40</b>	0.12
40470	2578	1RB-Low	Rear	/	18.38	19	0.282	<b>0.33</b>	0.619	<b>0.71</b>	-0.05
40140	2545	1RB-Low	Rear	/	18.74	19	0.265	<b>0.28</b>	0.586	<b>0.62</b>	-0.06
40140	2545	50RB-Mid	Front	/	18.69	19	<0.01	<0.01	<0.01	<0.01	/
41140	2645	50RB-Mid	Rear	/	18.69	19	0.055	<b>0.06</b>	0.124	<b>0.13</b>	0.05
40800	2611	50RB-Mid	Rear	/	18.69	19	0.112	<b>0.12</b>	0.248	<b>0.27</b>	-0.07
40470	2578	50RB-Low	Rear	/	18.69	19	0.251	<b>0.27</b>	0.557	<b>0.60</b>	0.02
40140	2545	50RB-Mid	Rear	/	18.69	19	0.279	<b>0.30</b>	0.617	<b>0.66</b>	-0.01
40140	2545	100RB	Rear	Fig.24	18.56	19	0.300	<b>0.33</b>	0.662	<b>0.73</b>	0.03
40140	2545	100RB	Rear	B	18.56	19	0.284	<b>0.31</b>	0.653	<b>0.72</b>	0.05
40470	2578	1RB-Low	Rear	0mm	18.38	19	1.550	<b>1.79</b>	4.74	<b>5.47</b>	0.01

Note1: The distance between the EUT and the phantom bottom is 15mm.

Note2: The LTE mode is QPSK\_20MHz.

**Table 14.1-25: SAR Values (LTE Band66 - Head)**

Frequency		Mode	Side	Test Position	Figure No.	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(10g) (W/kg)	Reported SAR(10g) (W/kg)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift (dB)
Ch.	MHz											
Ambient Temperature: 22.9 °C      Liquid Temperature: 22.5 °C												
132572	1770	1RB-High	Left	Cheek	Fig.25	24.52	25	0.186	<b>0.21</b>	0.281	<b>0.31</b>	0.08
132572	1770	1RB-High	Left	Tilt	/	24.52	25	0.16	<b>0.18</b>	0.25	<b>0.28</b>	-0.18
132572	1770	1RB-High	Right	Cheek	/	24.52	25	0.159	<b>0.18</b>	0.244	<b>0.27</b>	0.15
132572	1770	1RB-High	Right	Tilt	/	24.52	25	0.112	<b>0.13</b>	0.17	<b>0.19</b>	0.12
132322	1745	50RB-Mid	Left	Cheek	/	23.24	25	0.106	<b>0.16</b>	0.155	<b>0.23</b>	-0.13
132322	1745	50RB-Mid	Left	Tilt	/	23.24	25	0.093	<b>0.14</b>	0.144	<b>0.22</b>	0.04
132322	1745	50RB-Mid	Right	Cheek	/	23.24	25	0.117	<b>0.18</b>	0.18	<b>0.27</b>	-0.18
132322	1745	50RB-Mid	Right	Tilt	/	23.24	25	0.072	<b>0.11</b>	0.109	<b>0.16</b>	-0.19
132572	1770	1RB-High	Left	Cheek	B2	24.52	25	0.179	<b>0.20</b>	0.274	<b>0.31</b>	-0.03

Note1: The LTE mode is QPSK\_20MHz.

**Table 14.1-26: SAR Values (LTE Band66 - Body)**

Frequency		Mode	Test Position	Figure No.	Conducted Power (dBm)	Ambient Temperature: 22.9°C		Liquid Temperature: 22.5°C			
Ch.	MHz					Max. tune-up Power (dBm)	Measured SAR(10g) (W/kg)	Reported SAR(10g) (W/kg)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift (dB)
132572	1770	1RB-High	Front	/	22.65	23	0.247	<b>0.27</b>	0.408	<b>0.44</b>	-0.04
132572	1770	1RB-High	Rear	/	22.65	23	0.233	<b>0.25</b>	0.396	<b>0.43</b>	0.11
132572	1770	1RB-High	Left	/	22.65	23	0.104	<b>0.11</b>	0.17	<b>0.18</b>	-0.02
132572	1770	1RB-High	Right	/	22.65	23	0.057	<b>0.06</b>	0.094	<b>0.10</b>	0.19
132572	1770	1RB-High	Bottom	/	22.65	23	0.473	<b>0.51</b>	0.883	<b>0.96</b>	-0.05
132322	1745	1RB-High	Bottom	/	22.61	23	0.508	<b>0.56</b>	0.959	<b>1.05</b>	-0.09
132072	1720	1RB-High	Bottom	Fig.26	22.63	23	0.567	<b>0.62</b>	1.06	<b>1.15</b>	0.19
132072	1720	50RB-High	Front	/	22.36	23	0.208	<b>0.24</b>	0.361	<b>0.42</b>	-0.19
132072	1720	50RB-High	Rear	/	22.36	23	0.239	<b>0.28</b>	0.413	<b>0.48</b>	-0.05
132072	1720	50RB-High	Left	/	22.36	23	0.062	<b>0.07</b>	0.1	<b>0.12</b>	-0.13
132072	1720	50RB-High	Right	/	22.36	23	0.049	<b>0.06</b>	0.082	<b>0.10</b>	-0.03
132572	1770	50RB-Mid	Bottom	/	22.27	23	0.452	<b>0.53</b>	0.833	<b>0.99</b>	-0.09
132322	1745	50RB-Mid	Bottom	/	22.26	23	0.481	<b>0.57</b>	0.892	<b>1.06</b>	-0.16
132072	1720	50RB-High	Bottom	/	22.36	23	0.519	<b>0.60</b>	0.967	<b>1.12</b>	0.02
132572	1770	100RB	Bottom	/	22.31	23	0.469	<b>0.55</b>	0.867	<b>1.02</b>	-0.1
132072	1720	1RB-High	Bottom	B2	22.63	23	0.555	<b>0.60</b>	0.994	<b>1.08</b>	0.06

Note1: The distance between the EUT and the phantom bottom is 10mm

Note2: The LTE mode is QPSK\_20MHz.

**Table 14.1-27: SAR Values (LTE Band71 - Head)**

Frequency		Mode	Side	Test Position	Figure No.	Ambient Temperature: 22.9°C		Liquid Temperature: 22.5°C				
Ch.	MHz					Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(10g) (W/kg)	Reported SAR(10g) (W/kg)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift (dB)
133222	673	1RB-Mid	Left	Cheek	/	22.78	23.7	0.079	<b>0.10</b>	0.098	<b>0.12</b>	0.16
133222	673	1RB-Mid	Left	Tilt	/	22.78	23.7	0.047	<b>0.06</b>	0.056	<b>0.07</b>	0.06
133222	673	1RB-Mid	Right	Cheek	Fig.27	22.78	23.7	0.098	<b>0.12</b>	0.123	<b>0.15</b>	0.11
133222	673	1RB-Mid	Right	Tilt	/	22.78	23.7	0.055	<b>0.07</b>	0.068	<b>0.08</b>	-0.1
133322	683	50RB-Mid	Left	Cheek	/	22.69	23.7	0.075	<b>0.09</b>	0.092	<b>0.12</b>	0.16
133322	683	50RB-Mid	Left	Tilt	/	22.69	23.7	0.041	<b>0.05</b>	0.049	<b>0.06</b>	-0.13
133322	683	50RB-Mid	Right	Cheek	/	22.69	23.7	0.092	<b>0.12</b>	0.115	<b>0.15</b>	-0.01
133322	683	50RB-Mid	Right	Tilt	/	22.69	23.7	0.053	<b>0.07</b>	0.064	<b>0.08</b>	0.01
133222	673	1RB-Mid B	Right	Cheek	B2	22.78	23.7	0.092	<b>0.11</b>	0.116	<b>0.14</b>	0.04

Note1: The LTE mode is QPSK\_20MHz.

**Table 14.1-42: SAR Values (LTE Band71 - Body)**

Frequency		Mode	Test Position	Figure No.	Conduct ed Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(10g) (W/kg)	Reported SAR(10g) (W/kg)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift (dB)
Ch.	MHz										
Ambient Temperature: 22.9 °C      Liquid Temperature: 22.5 °C											
133222	673	1RB-Mid	Front	/	22.78	23.7	0.116	<b>0.14</b>	0.147	<b>0.18</b>	-0.11
133222	673	1RB-Mid	Rear	Fig.28	22.78	23.7	0.152	<b>0.19</b>	0.195	<b>0.24</b>	-0.14
133222	673	1RB-Mid	Left	/	22.78	23.7	0.128	<b>0.16</b>	0.176	<b>0.22</b>	-0.09
133222	673	1RB-Mid	Right	/	22.78	23.7	0.141	<b>0.17</b>	0.19	<b>0.23</b>	-0.16
133222	673	1RB-Mid	Bottom	/	22.78	23.7	0.025	<b>0.03</b>	0.053	<b>0.07</b>	0.17
133322	683	50RB-Mid	Front	/	22.69	23.7	0.1	<b>0.13</b>	0.127	<b>0.16</b>	-0.06
133322	683	50RB-Mid	Rear	/	22.69	23.7	0.147	<b>0.19</b>	0.187	<b>0.24</b>	0.04
133322	683	50RB-Mid	Left	/	22.69	23.7	0.117	<b>0.15</b>	0.161	<b>0.20</b>	0.03
133322	683	50RB-Mid	Right	/	22.69	23.7	0.139	<b>0.18</b>	0.188	<b>0.24</b>	0.12
133322	683	50RB-Mid	Bottom	/	22.69	23.7	0.025	<b>0.03</b>	0.054	<b>0.07</b>	-0.16
133222	673	1RB-Mid	Rear	B	22.78	23.7	0.147	<b>0.18</b>	0.187	<b>0.23</b>	0.03

Note1: The distance between the EUT and the phantom bottom is 10mm.

Note2: The LTE mode is QPSK\_20MHz.