

**Table 14.1-10: 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									
1637	1732.4	Front	/	23.41	24	0.174	<b>0.20</b>	0.280	<b>0.32</b>	0.04
1738	1752.6	Rear	/	23.39	24	0.240	<b>0.28</b>	0.398	<b>0.46</b>	-0.02
1637	1732.4	Rear	/	23.41	24	0.308	<b>0.35</b>	0.506	<b>0.58</b>	0.09
1537	1712.4	Rear	Fig.10	23.55	24	0.356	<b>0.39</b>	0.588	<b>0.65</b>	0.03

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

**Table 14.1-11: SAR Values(WCDMA 1900 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										
9938	1907.6	Left	Touch	Fig.11	23.57	24	0.114	<b>0.13</b>	0.180	<b>0.20</b>	0.05
9800	1880	Left	Touch	/	23.70	24	0.109	<b>0.12</b>	0.172	<b>0.18</b>	-0.03
9662	1852.4	Left	Touch	/	23.74	24	0.094	<b>0.10</b>	0.145	<b>0.15</b>	0.01
9800	1880	Left	Tilt	/	23.70	24	0.033	<b>0.04</b>	0.058	<b>0.06</b>	0.09
9800	1880	Right	Touch	/	23.70	24	0.067	<b>0.07</b>	0.099	<b>0.11</b>	0.02
9800	1880	Right	Tilt	/	23.70	24	0.033	<b>0.04</b>	0.053	<b>0.06</b>	-0.01

**Table 14.1-12: SAR Values (WCDMA 1900 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									
9800	1880	Front	/	21.81	22	0.344	<b>0.36</b>	0.542	<b>0.57</b>	0.04
9938	1907.6	Rear	/	21.69	22	0.574	<b>0.62</b>	0.932	<b>1.00</b>	0.09
9800	1880	Rear	/	21.81	22	0.525	<b>0.55</b>	0.848	<b>0.89</b>	-0.01
9662	1852.4	Rear	/	21.84	22	0.506	<b>0.52</b>	0.821	<b>0.85</b>	0.19
9800	1880	Left	/	21.81	22	0.063	<b>0.07</b>	0.092	<b>0.10</b>	0.02
9800	1880	Right	/	21.81	22	0.112	<b>0.12</b>	0.195	<b>0.20</b>	0.03
9938	1907.6	Bottom	/	21.69	22	0.591	<b>0.63</b>	0.994	<b>1.07</b>	-0.09
9800	1880	Bottom	Fig.12	21.81	22	0.617	<b>0.64</b>	1.04	<b>1.09</b>	0.03
9662	1852.4	Bottom	/	21.84	22	0.505	<b>0.52</b>	0.824	<b>0.85</b>	0.11

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

**Table 14.1-13: SAR Values (WCDMA 1900 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									
9800	1880	Front	/	23.70	24	0.181	<b>0.19</b>	0.314	<b>0.34</b>	0.04
9938	1907.6	Rear	/	23.57	24	0.261	<b>0.29</b>	0.449	<b>0.50</b>	-0.01
9800	1880	Rear	Fig.13	23.70	24	0.273	<b>0.29</b>	0.472	<b>0.51</b>	0.01
9662	1852.4	Rear	/	23.74	24	0.246	<b>0.26</b>	0.422	<b>0.45</b>	0.03

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

**Table 14.1-14: SAR Values (LTE Band2 - Head)**

Ambient Temperature: 22.9 °C						Liquid Temperature: 22.5 °C						
Frequency		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)
Ch.	MHz											
18900	1880	1RB_Mid	Left	Touch	Fig.14	23.53	24	0.138	<b>0.15</b>	0.229	<b>0.26</b>	0.02
18900	1880	1RB_Mid	Left	Tilt	/	23.53	24	0.047	<b>0.05</b>	0.094	<b>0.10</b>	-0.08
18900	1880	1RB_Mid	Right	Touch	/	23.53	24	0.100	<b>0.11</b>	0.168	<b>0.19</b>	0.01
18900	1880	1RB_Mid	Right	Tilt	/	23.53	24	0.040	<b>0.04</b>	0.080	<b>0.09</b>	0.18
18900	1880	50RB_Mid	Left	Touch	/	22.57	23	0.106	<b>0.12</b>	0.191	<b>0.21</b>	0.05
18900	1880	50RB_Mid	Left	Tilt	/	22.57	23	0.036	<b>0.04</b>	0.073	<b>0.08</b>	0.12
18900	1880	50RB_Mid	Right	Touch	/	22.57	23	0.066	<b>0.07</b>	0.110	<b>0.12</b>	0.09
18900	1880	50RB_Mid	Right	Tilt	/	22.57	23	0.027	<b>0.03</b>	0.056	<b>0.06</b>	-0.05

Note1: The LTE mode is QPSK\_20MHz.

**Table 14.1-15: SAR Values (LTE Band2 - Body)**

Ambient Temperature: 22.9 °C						Liquid Temperature: 22.5 °C					
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										
18900	1880	1RB_High	Front	/	21.41	22	0.248	<b>0.28</b>	0.457	<b>0.52</b>	0.04
18900	1880	1RB_High	Rear	/	21.41	22	0.357	<b>0.41</b>	0.701	<b>0.80</b>	0.12
18900	1880	1RB_High	Left	/	21.41	22	0.053	<b>0.06</b>	0.086	<b>0.10</b>	0.08
18900	1880	1RB_High	Right	/	21.41	22	0.076	<b>0.09</b>	0.157	<b>0.18</b>	0.16
19100	1900	1RB_Low	Bottom	/	21.16	22	0.432	<b>0.52</b>	0.817	<b>0.99</b>	0.03
18900	1880	1RB_High	Bottom	/	21.41	22	0.462	<b>0.53</b>	0.869	<b>1.00</b>	0.06
18700	1860	1RB_High	Bottom	/	21.22	22	0.413	<b>0.49</b>	0.769	<b>0.92</b>	0.05
18900	1880	50RB_Mid	Front	/	21.41	22	0.276	<b>0.32</b>	0.483	<b>0.55</b>	0.01
18900	1880	50RB_Mid	Rear	/	21.41	22	0.379	<b>0.43</b>	0.691	<b>0.79</b>	0.19
18900	1880	50RB_Mid	Left	/	21.41	22	0.044	<b>0.05</b>	0.068	<b>0.08</b>	-0.03

18900	1880	50RB_Mid	Right	/	21.41	22	0.088	<b>0.10</b>	0.168	<b>0.19</b>	0.01
19100	1900	50RB_Low	Bottom	Fig.15	21.28	22	0.587	<b>0.69</b>	1.10	<b>1.30</b>	0.04
18900	1880	50RB_Mid	Bottom	/	21.41	22	0.578	<b>0.66</b>	1.08	<b>1.23</b>	0.15
18700	1860	50RB_Mid	Bottom	/	21.36	22	0.579	<b>0.67</b>	1.08	<b>1.25</b>	-0.08
18900	1880	100RB	Bottom	/	21.36	22	0.582	<b>0.67</b>	1.08	<b>1.25</b>	-0.04
19100	1900	50RB_Low	Bottom	Headset	21.28	22	0.450	<b>0.53</b>	0.85	<b>1.01</b>	-0.03

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

Note2: The LTE mode is QPSK\_20MHz.

**Table 14.1-16: SAR Values (LTE Band2 - Body)**

Ambient Temperature: 22.9°C					Liquid Temperature: 22.5°C						
Frequency		Mode	Test Position	Figure No./ Note	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										
18900	1880	1RB_Mid	Front	/	23.53	24	0.197	<b>0.22</b>	0.334	<b>0.37</b>	0.08
18900	1880	1RB_Mid	Rear	Fig.16	23.53	24	0.281	<b>0.31</b>	0.491	<b>0.55</b>	0.16
18900	1880	50RB_Mid	Front	/	22.57	23	0.158	<b>0.17</b>	0.269	<b>0.30</b>	0.03
18900	1880	50RB_Mid	Rear	/	22.57	23	0.224	<b>0.25</b>	0.393	<b>0.43</b>	-0.09

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

Note2: The LTE mode is QPSK\_20MHz.

**Table 14.1-17: SAR Values(LTE Band7 - Head)**

Ambient Temperature: 22.9°C					Liquid Temperature: 22.5°C							
Frequency		Mode	Side	Test Position	Figure No./ Note	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											
20850	2510	1RB_Low	Left	Touch	Fig.17	23.05	23.9	0.086	<b>0.10</b>	0.169	<b>0.21</b>	-0.09
20850	2510	1RB_Low	Left	Tilt	/	23.05	23.9	0.031	<b>0.04</b>	0.060	<b>0.07</b>	-0.03
20850	2510	1RB_Low	Right	Touch	/	23.05	23.9	0.080	<b>0.10</b>	0.154	<b>0.19</b>	0.19
20850	2510	1RB_Low	Right	Tilt	/	23.05	23.9	0.043	<b>0.05</b>	0.082	<b>0.10</b>	0.03
21350	2560	50RB_Mid	Left	Touch	/	21.20	22.9	0.054	<b>0.08</b>	0.108	<b>0.16</b>	0.07
21350	2560	50RB_Mid	Left	Tilt	/	21.20	22.9	0.025	<b>0.04</b>	0.055	<b>0.08</b>	0.12
21350	2560	50RB_Mid	Right	Touch	/	21.20	22.9	0.061	<b>0.09</b>	0.117	<b>0.17</b>	-0.07
21350	2560	50RB_Mid	Right	Tilt	/	21.20	22.9	0.043	<b>0.06</b>	0.083	<b>0.12</b>	0.03

Note1: The LTE mode is QPSK\_20MHz.

**Table 14.1-18: SAR Values (LTE Band7 - Body)**

Ambient Temperature: 22.9°C						Liquid Temperature: 22.5°C					
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										
21350	2560	1RB_Mid	Front	/	19.04	19.9	0.175	<b>0.21</b>	0.327	<b>0.40</b>	0.09
21350	2560	1RB_Mid	Rear	/	19.04	19.9	0.225	<b>0.27</b>	0.411	<b>0.50</b>	-0.04
21350	2560	1RB_Mid	Left	/	19.04	19.9	0.112	<b>0.14</b>	0.256	<b>0.31</b>	0.13
21350	2560	1RB_Mid	Bottom	Fig.18	19.04	19.9	0.515	<b>0.63</b>	1.08	<b>1.32</b>	0.11
21100	2535	1RB_Low	Bottom	/	19.03	19.9	0.451	<b>0.55</b>	0.933	<b>1.14</b>	0.09
20850	2510	1RB_High	Bottom	/	18.99	19.9	0.422	<b>0.52</b>	0.866	<b>1.07</b>	-0.03
21100	2535	50RB_High	Front	/	19.14	19.9	0.151	<b>0.18</b>	0.284	<b>0.34</b>	0.08
21100	2535	50RB_High	Rear	/	19.14	19.9	0.179	<b>0.21</b>	0.320	<b>0.38</b>	0.03
21100	2535	50RB_High	Left	/	19.14	19.9	0.076	<b>0.09</b>	0.166	<b>0.20</b>	0.12
21350	2560	50RB_High	Bottom	/	19.12	19.9	0.474	<b>0.57</b>	0.996	<b>1.19</b>	-0.02
21100	2535	50RB_High	Bottom	/	19.14	19.9	0.445	<b>0.53</b>	0.927	<b>1.10</b>	0.06
20850	2510	50RB_High	Bottom	/	19.00	19.9	0.400	<b>0.49</b>	0.831	<b>1.02</b>	0.09
21100	2535	100RB	Bottom	/	19.04	19.9	0.462	<b>0.56</b>	0.970	<b>1.18</b>	0.01
21350	2560	1RB_Mid	Bottom	Headset	19.04	19.9	0.461	<b>0.56</b>	0.87	<b>1.06</b>	0.06

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

Note2: The LTE mode is QPSK\_20MHz.

**Table 14.1-19: SAR Values (LTE Band7 - Body)**

Ambient Temperature: 22.9°C						Liquid Temperature: 22.5°C					
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										
20850	2510	1RB_Low	Front	/	23.05	23.9	0.211	<b>0.26</b>	0.381	<b>0.46</b>	0.05
20850	2510	1RB_Low	Rear	Fig.19	23.05	23.9	0.240	<b>0.29</b>	0.422	<b>0.51</b>	0.01
21350	2560	50RB_Mid	Front	/	21.20	22.9	0.154	<b>0.23</b>	0.283	<b>0.42</b>	0.12
21350	2560	50RB_Mid	Rear	/	21.20	22.9	0.183	<b>0.27</b>	0.327	<b>0.48</b>	0.09

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

Note2: The LTE mode is QPSK\_20MHz.

**Table 14.1-20: SAR Values(LTE Band12 - Head)**

Frequency		Mode	Side	Test Position	Figure No./ Note	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											
23060	704	1RB_High	Left	Touch	/	23.02	24	0.086	<b>0.11</b>	0.105	<b>0.13</b>	0.04
23060	704	1RB_High	Left	Tilt	/	23.02	24	0.072	<b>0.09</b>	0.089	<b>0.11</b>	0.03
23060	704	1RB_High	Right	Touch	Fig.20	23.02	24	0.121	<b>0.15</b>	0.152	<b>0.19</b>	0.00
23060	704	1RB_High	Right	Tilt	/	23.02	24	0.088	<b>0.11</b>	0.108	<b>0.14</b>	-0.01
23060	704	25RB_Mid	Left	Touch	/	22.17	23	0.075	<b>0.09</b>	0.092	<b>0.11</b>	0.14
23060	704	25RB_Mid	Left	Tilt	/	22.17	23	0.057	<b>0.07</b>	0.068	<b>0.08</b>	0.19
23060	704	25RB_Mid	Right	Touch	/	22.17	23	0.098	<b>0.12</b>	0.121	<b>0.15</b>	0.02
23060	704	25RB_Mid	Right	Tilt	/	22.17	23	0.068	<b>0.08</b>	0.084	<b>0.10</b>	-0.06

Note1: The LTE mode is QPSK\_10MHz.

**Table 14.1-21: SAR Values (LTE Band12 - 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										
23060	704	1RB_High	Front	/	23.02	24	0.235	<b>0.29</b>	0.333	<b>0.42</b>	0.09
23060	704	1RB_High	Rear	Fig.21	23.02	24	0.272	<b>0.34</b>	0.378	<b>0.47</b>	0.00
23060	704	1RB_High	Left	/	23.02	24	0.100	<b>0.13</b>	0.145	<b>0.18</b>	0.03
23060	704	1RB_High	Right	/	23.02	24	0.163	<b>0.20</b>	0.239	<b>0.30</b>	-0.01
23060	704	1RB_High	Bottom	/	23.02	24	0.097	<b>0.12</b>	0.196	<b>0.25</b>	0.07
23060	704	25RB_Mid	Front	/	22.17	23	0.194	<b>0.23</b>	0.274	<b>0.33</b>	0.12
23060	704	25RB_Mid	Rear	/	22.17	23	0.225	<b>0.27</b>	0.312	<b>0.38</b>	-0.03
23060	704	25RB_Mid	Left	/	22.17	23	0.083	<b>0.10</b>	0.122	<b>0.15</b>	0.07
23060	704	25RB_Mid	Right	/	22.17	23	0.133	<b>0.16</b>	0.195	<b>0.24</b>	-0.03
23060	704	25RB_Mid	Bottom	/	22.17	23	0.078	<b>0.09</b>	0.158	<b>0.19</b>	0.01

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

Note2: The LTE mode is QPSK\_10MHz.

**Table 14.1-22: SAR Values(LTE Band13 - Head)**

Ambient Temperature: 22.9 °C						Liquid Temperature: 22.5 °C						
Frequency		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)
Ch.	MHz											
23230	782	1RB_Low	Left	Touch	/	23.21	24	0.110	<b>0.13</b>	0.134	<b>0.16</b>	0.08
23230	782	1RB_Low	Left	Tilt	/	23.21	24	0.041	<b>0.05</b>	0.049	<b>0.06</b>	-0.01
23230	782	1RB_Low	Right	Touch	Fig.22	23.21	24	0.155	<b>0.19</b>	0.197	<b>0.24</b>	0.01
23230	782	1RB_Low	Right	Tilt	/	23.21	24	0.095	<b>0.11</b>	0.121	<b>0.15</b>	0.19
23230	782	25RB_Mid	Left	Touch	/	22.18	23	0.086	<b>0.10</b>	0.105	<b>0.13</b>	0.02
23230	782	25RB_Mid	Left	Tilt	/	22.18	23	0.069	<b>0.08</b>	0.087	<b>0.11</b>	-0.07
23230	782	25RB_Mid	Right	Touch	/	22.18	23	0.118	<b>0.14</b>	0.150	<b>0.18</b>	0.01
23230	782	25RB_Mid	Right	Tilt	/	22.18	23	0.075	<b>0.09</b>	0.095	<b>0.11</b>	0.03

Note1: The LTE mode is QPSK\_10MHz.

**Table 14.1-23: SAR Values (LTE Band13 - Body)**

Ambient Temperature: 22.9 °C						Liquid Temperature: 22.5 °C					
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										
23230	782	1RB_Low	Front	/	23.21	24	0.222	<b>0.27</b>	0.368	<b>0.44</b>	0.08
23230	782	1RB_Low	Rear	Fig.23	23.21	24	0.288	<b>0.35</b>	0.400	<b>0.48</b>	0.04
23230	782	1RB_Low	Left	/	23.21	24	0.095	<b>0.11</b>	0.141	<b>0.17</b>	-0.07
23230	782	1RB_Low	Right	/	23.21	24	0.177	<b>0.21</b>	0.257	<b>0.31</b>	0.01
23230	782	1RB_Low	Bottom	/	23.21	24	0.114	<b>0.14</b>	0.246	<b>0.30</b>	0.03
23230	782	25RB_Mid	Front	/	22.18	23	0.176	<b>0.21</b>	0.293	<b>0.35</b>	-0.08
23230	782	25RB_Mid	Rear	/	22.18	23	0.218	<b>0.26</b>	0.302	<b>0.36</b>	0.04
23230	782	25RB_Mid	Left	/	22.18	23	0.071	<b>0.09</b>	0.105	<b>0.13</b>	-0.09
23230	782	25RB_Mid	Right	/	22.18	23	0.136	<b>0.16</b>	0.198	<b>0.24</b>	-0.01
23230	782	25RB_Mid	Bottom	/	22.18	23	0.088	<b>0.11</b>	0.191	<b>0.23</b>	0.18

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

Note2: The LTE mode is QPSK\_10MHz.

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

Ambient Temperature: 22.9 °C						Liquid Temperature: 22.5 °C						
Frequency		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)
Ch.	MHz											
40185	2549.5	1RB_Low	Left	Touch	Fig.24	23.09	24	0.055	<b>0.07</b>	0.113	<b>0.14</b>	0.14
40185	2549.5	1RB_Low	Left	Tilt	/	23.09	24	0.035	<b>0.04</b>	0.061	<b>0.08</b>	0.09
40185	2549.5	1RB_Low	Right	Touch	/	23.09	24	0.053	<b>0.07</b>	0.101	<b>0.12</b>	-0.02
40185	2549.5	1RB_Low	Right	Tilt	/	23.09	24	0.036	<b>0.04</b>	0.075	<b>0.09</b>	0.04
39750	2506	50RB_Low	Left	Touch	/	22.13	23	0.047	<b>0.06</b>	0.096	<b>0.12</b>	0.16
39750	2506	50RB_Low	Left	Tilt	/	22.13	23	0.024	<b>0.03</b>	0.042	<b>0.05</b>	0.01
39750	2506	50RB_Low	Right	Touch	/	22.13	23	0.039	<b>0.05</b>	0.076	<b>0.09</b>	0.15
39750	2506	50RB_Low	Right	Tilt	/	22.13	23	0.016	<b>0.02</b>	0.025	<b>0.03</b>	0.02

Note1: The LTE mode is QPSK\_20MHz.

**Table 14.1-25: SAR Values (LTE Band41 - Body)**

Ambient Temperature: 22.9 °C						Liquid Temperature: 22.5 °C					
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										
40185	2549.5	1RB_Low	Front	/	23.09	24	0.163	<b>0.20</b>	0.298	<b>0.37</b>	0.09
40185	2549.5	1RB_Low	Rear	/	23.09	24	0.197	<b>0.24</b>	0.357	<b>0.44</b>	0.03
40185	2549.5	1RB_Low	Left	/	23.09	24	0.083	<b>0.10</b>	0.181	<b>0.22</b>	0.12
41490	2680	1RB_Low	Bottom	/	22.96	24	0.321	<b>0.41</b>	0.699	<b>0.89</b>	0.06
41055	2636.5	1RB_Low	Bottom	/	23.03	24	0.380	<b>0.48</b>	0.840	<b>1.05</b>	-0.01
40620	2593	1RB_Low	Bottom	Fig.25	23.06	24	0.436	<b>0.54</b>	0.929	<b>1.15</b>	0.08
40185	2549.5	1RB_Low	Bottom	/	23.09	24	0.415	<b>0.51</b>	0.861	<b>1.06</b>	0.04
39750	2506	1RB_Low	Bottom	/	23.08	24	0.388	<b>0.48</b>	0.793	<b>0.98</b>	-0.08
39750	2506	50RB_Low	Front	/	22.13	23	0.116	<b>0.14</b>	0.209	<b>0.26</b>	0.01
39750	2506	50RB_Low	Rear	/	22.13	23	0.144	<b>0.18</b>	0.257	<b>0.31</b>	0.04
39750	2506	50RB_Low	Left	/	22.13	23	0.059	<b>0.07</b>	0.128	<b>0.16</b>	0.09
39750	2506	50RB_Low	Bottom	/	22.13	23	0.301	<b>0.37</b>	0.650	<b>0.79</b>	0.13
39750	2506	100RB	Bottom	/	22.03	23	0.307	<b>0.38</b>	0.630	<b>0.79</b>	-0.02

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

Note2: The LTE mode is QPSK\_20MHz.

**Table 14.1-26: SAR Values(LTE Band4 - Head)**

Frequency		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)
Ch.	MHz											
Ambient Temperature: 22.9 °C      Liquid Temperature: 22.5 °C												
20050	1720	1RB_High	Left	Touch	Fig.26	23.01	24	0.106	<b>0.13</b>	0.164	<b>0.21</b>	-0.09
20050	1720	1RB_High	Left	Tilt	/	23.01	24	0.043	<b>0.05</b>	0.080	<b>0.10</b>	0.08
20050	1720	1RB_High	Right	Touch	/	23.01	24	0.078	<b>0.10</b>	0.113	<b>0.14</b>	0.03
20050	1720	1RB_High	Right	Tilt	/	23.01	24	0.035	<b>0.04</b>	0.054	<b>0.07</b>	-0.03
20175	1732.5	50RB_Mid	Left	Touch	/	22.13	23	0.084	<b>0.10</b>	0.129	<b>0.16</b>	0.06
20175	1732.5	50RB_Mid	Left	Tilt	/	22.13	23	0.024	<b>0.03</b>	0.049	<b>0.06</b>	0.04
20175	1732.5	50RB_Mid	Right	Touch	/	22.13	23	0.052	<b>0.06</b>	0.080	<b>0.10</b>	0.13
20175	1732.5	50RB_Mid	Right	Tilt	/	22.13	23	0.024	<b>0.03</b>	0.040	<b>0.05</b>	0.06

Note1: The LTE mode is QPSK\_20MHz.

**Table 14.1-27: SAR Values (LTE Band4 - 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											
20175	1732.5	1RB_Mid	Front	/	21.05	22	0.145	<b>0.18</b>	0.270	<b>0.34</b>	0.12
20176	1732.5	1RB_Mid	Rear	/	21.05	22	0.291	<b>0.36</b>	0.582	<b>0.72</b>	0.12
20175	1732.5	1RB_Mid	Left	/	21.05	22	0.020	<b>0.03</b>	0.033	<b>0.04</b>	0.06
20175	1732.5	1RB_Mid	Right	/	21.05	22	0.048	<b>0.06</b>	0.097	<b>0.12</b>	-0.03
20175	1732.5	1RB_Mid	Bottom	/	21.05	22	0.253	<b>0.31</b>	0.497	<b>0.62</b>	0.06
20050	1720	50RB_High	Front	/	21.18	22	0.154	<b>0.19</b>	0.283	<b>0.34</b>	0.04
20300	1745	50RB_Mid	Rear	/	21.15	22	0.304	<b>0.37</b>	0.612	<b>0.74</b>	0.13
20175	1732.5	50RB_Mid	Rear	/	21.17	22	0.318	<b>0.39</b>	0.643	<b>0.78</b>	0.07
20050	1720	50RB_High	Rear	Fig.27	21.18	22	0.410	<b>0.50</b>	0.726	<b>0.88</b>	0.04
20050	1720	50RB_High	Left	/	21.18	22	0.015	<b>0.02</b>	0.023	<b>0.03</b>	0.07
20050	1720	50RB_High	Right	/	21.18	22	0.053	<b>0.06</b>	0.107	<b>0.13</b>	0.06
20050	1720	50RB_High	Bottom	/	21.18	22	0.256	<b>0.31</b>	0.492	<b>0.59</b>	0.04
20175	1732.5	100RB	Rear	/	21.16	22	0.349	<b>0.42</b>	0.718	<b>0.87</b>	0.02

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

Note2: The LTE mode is QPSK\_20MHz.



**Table 14.1-28: SAR Values (LTE Band4 - Body)**

Ambient Temperature: 22.9 °C						Liquid Temperature: 22.5 °C					
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										
20050	1720	1RB_High	Front	/	23.01	24	0.256	<b>0.32</b>	0.237	<b>0.30</b>	0.08
20050	1720	1RB_High	Rear	Fig.28	23.01	24	0.280	<b>0.35</b>	0.462	<b>0.58</b>	0.12
20175	1732.5	50RB_Mid	Front	/	22.13	23	0.202	<b>0.25</b>	0.187	<b>0.23</b>	0.06
20175	1732.5	50RB_Mid	Rear	/	22.13	23	0.374	<b>0.46</b>	0.374	<b>0.46</b>	0.04

Note1: The distance between the EUT and the phantom bottom is 15mm. Note2: The LTE mode is QPSK\_20MHz.

**Table 14.1-29: SAR Values (LTE band26 - 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											
26775	822.5	1RB_Low	Left	Touch	/	23.18	24	0.103	<b>0.12</b>	0.132	<b>0.16</b>	0.02
26775	822.5	1RB_Low	Left	Tilt	/	23.18	24	0.082	<b>0.10</b>	0.111	<b>0.13</b>	0.09
26775	822.5	1RB_Low	Right	Touch	Fig.29	23.18	24	0.149	<b>0.18</b>	0.200	<b>0.24</b>	-0.06
26775	822.5	1RB_Low	Right	Tilt	/	23.18	24	0.086	<b>0.10</b>	0.116	<b>0.14</b>	-0.01
26775	822.5	36RB_Mid	Left	Touch	/	22.23	23	0.082	<b>0.10</b>	0.106	<b>0.13</b>	0.03
26775	822.5	36RB_Mid	Left	Tilt	/	22.23	23	0.069	<b>0.08</b>	0.095	<b>0.11</b>	0.17
26775	822.5	36RB_Mid	Right	Touch	/	22.23	23	0.108	<b>0.13</b>	0.142	<b>0.17</b>	0.02
26775	822.5	36RB_Mid	Right	Tilt	/	22.23	23	0.072	<b>0.09</b>	0.086	<b>0.10</b>	0.09

Note1: The LTE mode is QPSK\_15MHz.

**Table 14.1-30: SAR Values (LTE band26 - Body)**

Ambient Temperature: 22.9 °C						Liquid Temperature: 22.5 °C					
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										
26775	822.5	1RB_Low	Front	/	23.18	24	0.210	<b>0.25</b>	0.351	<b>0.42</b>	0.04
26775	822.5	1RB_Low	Rear	Fig.30	23.18	24	0.261	<b>0.32</b>	0.364	<b>0.44</b>	0.02
26775	822.5	1RB_Low	Left	/	23.18	24	0.051	<b>0.06</b>	0.080	<b>0.10</b>	0.02
26775	822.5	1RB_Low	Right	/	23.18	24	0.121	<b>0.15</b>	0.184	<b>0.22</b>	0.06
26775	822.5	1RB_Low	Bottom	/	23.18	24	0.126	<b>0.15</b>	0.277	<b>0.33</b>	0.03
26775	822.5	36RB_Mid	Front	/	22.23	23	0.176	<b>0.21</b>	0.308	<b>0.37</b>	0.02
26775	822.5	36RB_Mid	Rear	/	22.23	23	0.196	<b>0.23</b>	0.291	<b>0.35</b>	0.03
26775	822.5	36RB_Mid	Left	/	22.23	23	0.038	<b>0.05</b>	0.059	<b>0.07</b>	0.02
26775	822.5	36RB_Mid	Right	/	22.23	23	0.089	<b>0.11</b>	0.135	<b>0.16</b>	0.03
26775	822.5	36RB_Mid	Bottom	/	22.23	23	0.102	<b>0.12</b>	0.226	<b>0.27</b>	0.03

Note1: The distance between the EUT and the phantom bottom is 10mm. Note2: The LTE mode is QPSK\_15MHz.

According to the KDB648474 D04, the UMPC mini-tablet procedures must also be applied to test the SAR of all surfaces and edges with an antenna located at  $\leq 25$  mm from that surface or edge, in direct contact with a flat phantom, for 10-g extremity SAR according to the body-equivalent tissue dielectric parameters in KDB Publication 865664 D01 to address interactive hand use exposure conditions. 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

**Table 14.1-31: 0mm Reported SAR for phablet (10g)**

Frequency		Mode	Test Position	Figure No./ Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Ambient Temperature: 22.9 °C		Liquid Temperature: 22.5 °C		Power Drift (dB)
Ch.	MHz						Measured SAR(10g) (W/kg)	Reported SAR(10g) (W/kg)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	
1738	1752.6	RMC	Rear	/	21.46	22	1.37	<b>1.55</b>	3.09	<b>3.50</b>	-0.02
9800	1880	RMC	Bottom	/	21.81	22	1.26	<b>1.32</b>	2.78	<b>2.90</b>	0.30
19100	1900	50RB_Low	Bottom	/	21.28	22	1.03	<b>1.22</b>	2.26	<b>2.67</b>	-0.03
21350	2560	1RB_Mid	Bottom	/	19.04	19.9	1.26	<b>1.54</b>	4.14	<b>5.05</b>	0.02
20050	1720	50RB_High	Rear	/	21.18	22	1.27	<b>1.53</b>	2.870	<b>3.47</b>	0.06

Note: The distance between the EUT and the phantom bottom is 0mm.

## 14.2 SAR results for Standard procedure

There is zoom scan measurement to be added for the highest measured SAR in each exposure configuration/band.

**Table 14.2-1: 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										
251	848.8	Right	Touch	Fig.1	28.70	29.5	0.254	<b>0.31</b>	0.322	<b>0.39</b>	0.08

Note: the head SAR of GSM850 is tested with GPRS (4Txslots) mode because of VoIP.

**Table 14.2-2: 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										
251	848.8	GPRS (4)	Rear	Fig.2	28.70	29.5	0.367	<b>0.44</b>	0.620	<b>0.75</b>	-0.03

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

**Table 14.2-3: 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	Touch	Fig.3	27.95	29	0.207	<b>0.26</b>	0.426	<b>0.54</b>	-0.18

Note: the head SAR of GSM1900 is tested with GPRS (3Txslots) mode because of VoIP.

**Table 14.2-4: SAR Values (GSM 1900 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										
512	1850.2	GPRS (3)	Bottom	Fig.4	27.56	28	0.474	<b>0.52</b>	0.844	<b>0.93</b>	-0.13

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

**Table 14.2-5: SAR Values (GSM 1900 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										
810	1909.8	GPRS (3)	Rear	Fig.5	27.95	29	0.229	<b>0.29</b>	0.397	<b>0.51</b>	-0.03

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

**Table 14.2-6: SAR Values (WCDMA 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											
		Ambient Temperature: 22.9 °C					Liquid Temperature: 22.5 °C					
4182	836.4	Right	Touch	Fig.6	23.56	24	0.206	<b>0.23</b>	0.262	<b>0.29</b>	0.13	

**Table 14.2-7: SAR Values (WCDMA 850 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				
4233	846.6	Rear	Fig.7	23.68	24	0.259	<b>0.28</b>	0.432	<b>0.47</b>	-0.09	

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

**Table 14.2-8: SAR Values(WCDMA 1700 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					
1537	1712.4	Left	Touch	Fig.8	23.55	24	0.088	<b>0.10</b>	0.133	<b>0.15</b>	0.01	

**Table 14.2-9: SAR Values (WCDMA 1700 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				
1738	1752.6	Rear	Fig.9	21.46	22	0.493	<b>0.56</b>	0.927	<b>1.05</b>	-0.03	

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

**Table 14.2-10: SAR Values (WCDMA 1700 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				
1537	1712.4	Rear	Fig.10	23.55	24	0.356	<b>0.39</b>	0.588	<b>0.65</b>	0.03	

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

**Table 14.2-11: 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										
9938	1907.6	Left	Touch	Fig.11	23.57	24	0.114	<b>0.13</b>	0.180	<b>0.20</b>	0.05

**Table 14.2-12: 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									
9800	1880	Bottom	Fig.12	21.81	22	0.617	<b>0.64</b>	1.04	<b>1.09</b>	0.03

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

**Table 14.2-13: 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									
9800	1880	Rear	Fig.13	23.70	24	0.273	<b>0.29</b>	0.472	<b>0.51</b>	0.01

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

**Table 14.2-14: SAR Values (LTE Band2 - Head)**

Frequency		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)
Ch.	MHz											
18900	1880	1RB_Mid	Left	Touch	Fig.14	23.53	24	0.138	<b>0.15</b>	0.229	<b>0.26</b>	0.02

Note1: The LTE mode is QPSK\_20MHz.

**Table 14.2-15: SAR Values (LTE Band2 - 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										
19100	1900	50RB_Low	Bottom	Fig.15	21.28	22	0.587	<b>0.69</b>	1.10	<b>1.30</b>	0.04

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

Note2: The LTE mode is QPSK\_20MHz.

**Table 14.2-16: SAR Values (LTE Band2 - Body)**

Ambient Temperature: 22.9 °C						Liquid Temperature: 22.5 °C					
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										
18900	1880	1RB_Mid	Rear	Fig.16	23.53	24	0.281	<b>0.31</b>	0.491	<b>0.55</b>	0.16

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

Note2: The LTE mode is QPSK\_20MHz.

**Table 14.2-17: SAR Values(LTE Band7 - Head)**

Ambient Temperature: 22.9 °C						Liquid Temperature: 22.5 °C						
Frequency		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)
Ch.	MHz											
20850	2510	1RB_Low	Left	Touch	Fig.17	23.05	23.9	0.086	<b>0.10</b>	0.169	<b>0.21</b>	-0.09

Note1: The LTE mode is QPSK\_20MHz.

**Table 14.2-18: SAR Values (LTE Band7 - Body)**

Ambient Temperature: 22.9 °C						Liquid Temperature: 22.5 °C					
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										
21350	2560	1RB_Mid	Bottom	Fig.18	19.04	19.9	0.515	<b>0.63</b>	1.08	<b>1.32</b>	0.11

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

Note2: The LTE mode is QPSK\_20MHz.

**Table 14.2-19: SAR Values (LTE Band7 - Body)**

Ambient Temperature: 22.9 °C						Liquid Temperature: 22.5 °C					
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										
20850	2510	1RB_Low	Rear	Fig.19	23.05	23.9	0.240	<b>0.29</b>	0.422	<b>0.51</b>	0.01

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

Note2: The LTE mode is QPSK\_20MHz.

**Table 14.2-20: SAR Values(LTE Band12 - Head)**

Ambient Temperature: 22.9 °C						Liquid Temperature: 22.5°C						
Frequency		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)
Ch.	MHz											
23060	704	1RB_High	Right	Touch	Fig.20	23.02	24	0.121	<b>0.15</b>	0.152	<b>0.19</b>	0.00

Note1: The LTE mode is QPSK\_10MHz.

**Table 14.2-21: SAR Values (LTE Band12 - Body)**

Ambient Temperature: 22.9 °C						Liquid Temperature: 22.5°C					
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										
23060	704	1RB_High	Rear	Fig.21	23.02	24	0.272	<b>0.34</b>	0.378	<b>0.47</b>	0.00

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

Note2: The LTE mode is QPSK\_10MHz.

**Table 14.2-22: SAR Values(LTE Band13 - Head)**

Ambient Temperature: 22.9 °C						Liquid Temperature: 22.5°C						
Frequency		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)
Ch.	MHz											
23230	782	1RB_Low	Right	Touch	Fig.22	23.21	24	0.155	<b>0.19</b>	0.197	<b>0.24</b>	0.01

Note1: The LTE mode is QPSK\_10MHz.

**Table 14.2-23: SAR Values (LTE Band13 - Body)**

Ambient Temperature: 22.9 °C						Liquid Temperature: 22.5°C					
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										
23230	782	1RB_Low	Rear	Fig.23	23.21	24	0.288	<b>0.35</b>	0.400	<b>0.48</b>	0.04

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

Note2: The LTE mode is QPSK\_10MHz.

**Table 14.2-24: SAR Values(LTE Band41 - Head)**

Ambient Temperature: 22.9 °C						Liquid Temperature: 22.5°C						
Frequency		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)
Ch.	MHz											
40185	2549.5	1RB_Low	Left	Touch	Fig.24	23.09	24	0.055	<b>0.07</b>	0.113	<b>0.14</b>	0.14

Note1: The LTE mode is QPSK\_20MHz.

**Table 14.2-25: SAR Values (LTE Band41 - Body)**

Ambient Temperature: 22.9 °C						Liquid Temperature: 22.5°C					
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										
40620	2593	1RB_Low	Bottom	Fig.25	23.06	24	0.436	<b>0.54</b>	0.929	<b>1.15</b>	0.08

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

Note2: The LTE mode is QPSK\_20MHz.

**Table 14.2-26: SAR Values(LTE Band4 - Head)**

Ambient Temperature: 22.9 °C						Liquid Temperature: 22.5°C						
Frequency		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)
Ch.	MHz											
20050	1720	1RB_High	Left	Touch	Fig.26	23.01	24	0.106	<b>0.13</b>	0.164	<b>0.21</b>	-0.09

Note1: The LTE mode is QPSK\_20MHz.

**Table 14.2-27: SAR Values (LTE Band4 - Body)**

Ambient Temperature: 22.9 °C						Liquid Temperature: 22.5°C					
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										
20050	1720	50RB_High	Rear	Fig.27	21.18	22	0.410	<b>0.50</b>	0.726	<b>0.88</b>	0.04

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

Note2: The LTE mode is QPSK\_20MHz.



**Table 14.2-28: SAR Values (LTE Band4 - Body)**

Ambient Temperature: 22.9 °C						Liquid Temperature: 22.5 °C					
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										
20050	1720	1RB_High	Rear	Fig.28	23.01	24	0.280	<b>0.35</b>	0.462	<b>0.58</b>	0.12

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

Note2: The LTE mode is QPSK\_20MHz.

**Table 14.2-29: SAR Values (LTE band26 - 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											
26775	822.5	1RB_Low	Right	Touch	Fig.29	23.18	24	0.149	<b>0.18</b>	0.200	<b>0.24</b>	-0.06

Note1: The LTE mode is QPSK\_15MHz.

**Table 14.2-30: SAR Values (LTE band26 - Body)**

Ambient Temperature: 22.9 °C						Liquid Temperature: 22.5 °C					
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										
26775	822.5	1RB_Low	Rear	Fig.30	23.18	24	0.261	<b>0.32</b>	0.364	<b>0.44</b>	0.02

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

Note2: The LTE mode is QPSK\_15MHz.

### 14.3 WLAN Evaluation for 2.4G

According to the KDB248227 D01, SAR is measured for 2.4GHz 802.11b DSSS using the initial test position procedure.

#### Head Evaluation

**Table 14.3-1: SAR Values(WLAN - Head)– 802.11b (Fast SAR)**

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)
MHz	Ch.										
		Ambient Temperature: 22.9 °C				Liquid Temperature: 22.5 °C					
2437	6	Left	Touch	/	17.52	18.5	0.212	<b>0.27</b>	0.435	<b>0.55</b>	-0.09
2437	6	Left	Tilt	/	17.52	18.5	0.171	<b>0.21</b>	0.379	<b>0.47</b>	0.17
2437	6	Right	Touch	/	17.52	18.5	0.103	<b>0.13</b>	0.204	<b>0.26</b>	-0.02
2437	6	Right	Tilt	/	17.52	18.5	0.101	<b>0.13</b>	0.205	<b>0.26</b>	0.06

As shown above table, the initial test position for head is “Left Touch”. So the head SAR of WLAN is presented as below:

**Table 14.3-2: SAR Values(WLAN - Head)– 802.11b (Full SAR)**

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)
MHz	Ch.										
		Ambient Temperature: 22.9 °C				Liquid Temperature: 22.5 °C					
2437	6	Left	Touch	Fig.31	17.52	18.5	0.216	<b>0.27</b>	0.464	<b>0.58</b>	-0.09
2437	6	Left	Tilt	/	17.52	18.5	0.179	<b>0.22</b>	0.408	<b>0.51</b>	0.17

Note1: When the reported SAR of the initial test position is > 0.4 W/kg, SAR is repeated for the 802.11 transmission mode configuration tested in the initial test position using subsequent highest estimated 1-g SAR conditions determined by area scans, on the highest maximum output power channel, until the reported SAR is ≤ 0.8 W/kg.

Note2: 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 until the reported SAR is ≤ 1.2 W/kg or all required channels are tested.

According to the KDB248227 D01, The reported SAR must be scaled to 100% transmission duty factor to determine compliance at the maximum tune-up tolerance limit. The scaled reported SAR is presented as below.

**Table 14.3-3: SAR Values (WLAN - Head) – 802.11b (Scaled Reported SAR)**

Frequency		Side	Test Position	Actual duty factor	maximum duty factor	Reported SAR (1g)(W/kg)	Scaled reported SAR (1g)(W/kg)
MHz	Ch.						
		Ambient Temperature: 22.9 °C				Liquid Temperature: 22.5 °C	
2437	6	Left	Touch	97.69%	100%	<b>0.58</b>	<b>0.59</b>

SAR is not required for OFDM because the 802.11b adjusted SAR ≤ 1.2 W/kg.

**Body Evaluation**

**Table 14.3-4: SAR Values(WLAN - Body)– 802.11b (Fast SAR)**

Frequency		Test Position	Figure No./ Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Ambient Temperature: 22.9 °C		Liquid Temperature: 22.5 °C		Power Drift (dB)
MHz	Ch.					Measured SAR(10g) (W/kg)	Reported SAR(10g) (W/kg)	Measured SAR(1g) (W/kg)	Reported SAR(1g)( W/kg)	
2437	6	Front	/	18.50	20	0.036	<b>0.05</b>	0.063	<b>0.09</b>	0.04
2437	6	Rear	/	18.50	20	0.040	<b>0.06</b>	0.077	<b>0.11</b>	0.11
2437	6	Right	/	18.50	20	0.058	<b>0.08</b>	0.118	<b>0.17</b>	-0.03
2437	6	Top	/	18.50	20	0.021	<b>0.03</b>	0.041	<b>0.06</b>	0.17

As shown above table, the initial test position for body is “Right”. So the body SAR of WLAN is presented as below:

**Table 14.3-5: SAR Values(WLAN - Body)– 802.11b (Full SAR)**

Frequency		Test Position	Figure No./ Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Ambient Temperature: 22.9 °C		Liquid Temperature: 22.5 °C		Power Drift (dB)
MHz	Ch.					Measured SAR(10g) (W/kg)	Reported SAR(10g) (W/kg)	Measured SAR(1g) (W/kg)	Reported SAR(1g)( W/kg)	
2437	6	Right	Fig.32	18.50	20	0.057	<b>0.08</b>	0.121	<b>0.17</b>	-0.03

Note1: When the reported SAR of the initial test position is > 0.4 W/kg, SAR is repeated for the 802.11 transmission mode configuration tested in the initial test position using subsequent highest estimated 1-g SAR conditions determined by area scans, on the highest maximum output power channel, until the reported SAR is ≤ 0.8 W/kg.

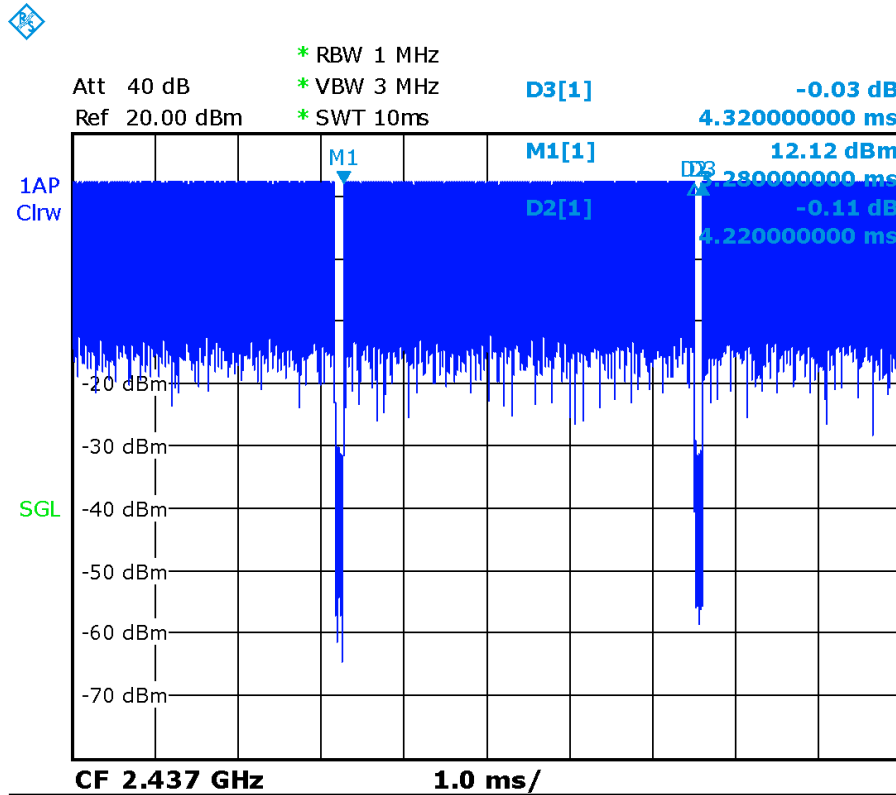
Note2: For all positions/configurations tested using the initial test position and subsequent test positions, when the reported SAR is > 0.8 W/kg, SAR is measured for these test positions/configurations on the subsequent next highest measured output power channel until the reported SAR is ≤ 1.2 W/kg or all required channels are tested.

According to the KDB248227 D01, The reported SAR must be scaled to 100% transmission duty factor to determine compliance at the maximum tune-up tolerance limit. The scaled reported SAR is presented as below.

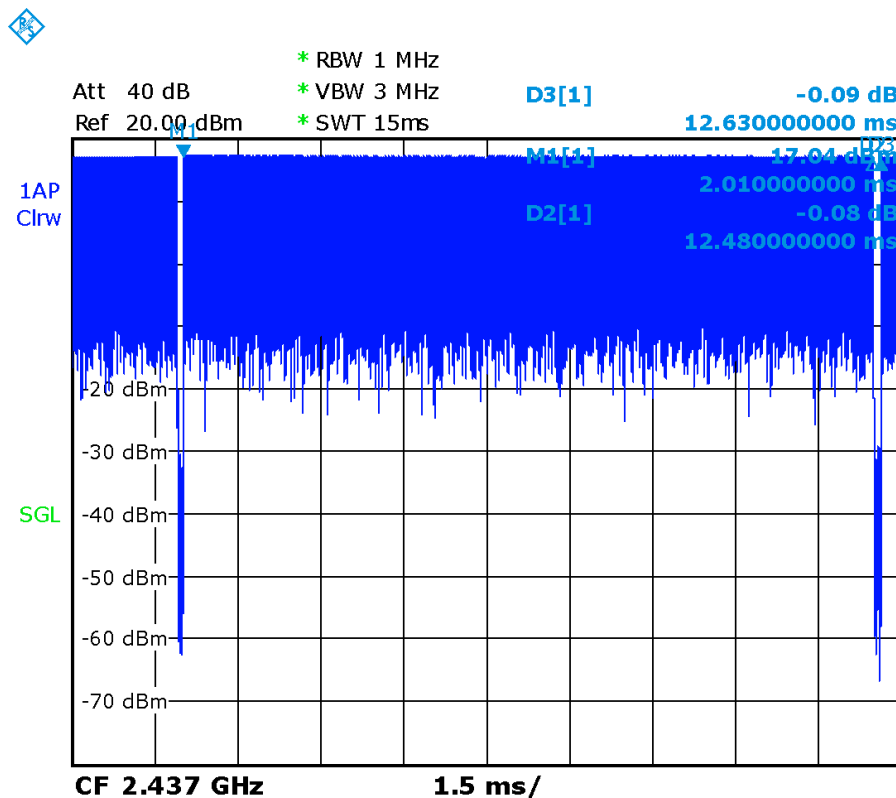
**Table 14.3-6: SAR Values (WLAN - Body) – 802.11b (Scaled Reported SAR)**

Frequency		Test Position	Ambient Temperature: 22.9 °C		Liquid Temperature: 22.5 °C	
MHz	Ch.		Actual duty factor	maximum duty factor	Reported SAR (1g)(W/kg)	Scaled reported SAR (1g)(W/kg)
2437	6	Right	98.81%	100%	<b>0.17</b>	<b>0.17</b>

SAR is not required for OFDM because the 802.11b adjusted SAR ≤ 1.2 W/kg.



Picture 14.1 Duty factor plot for head



Picture 14.2 Duty factor plot for body

### 14.4 WLAN Evaluation For 5G

Table 14.4-1: OFDM mode specified maximum output power of WLAN antenna

802.11 mode	a	g	n		ac			
Ch. BW(MHz)	20	20	20	40	20	40	80	160
U-NII-1	X		X	X	X	X	X	
U-NII-2A	X		X	X	X	X	X	
U-NII-2C	X		X	X	X	X	X	
U-NII-3	X		X	X	X	X	X	
§ 15.247 (5.8 GHz)								

X: maximum(conducted) output power(mW), including tolerance, specified for production units

Table 14.4-2: Maximum output power specified of WLAN antenna

802.11 mode	a	g	n		ac			
Ch. BW(MHz)	20	20	20	40	20	40	80	160
U-NII-1	71		50	50	25	25	25	
U-NII-2A	63		50	50	25	25	25	
U-NII-2C	63		50	50	25	25	25	
U-NII-3	71		50	50	25	25	25	
§ 15.247 (5.8 GHz)								

- The maximum output power specified for production units is the same for all channels, modulations and data rates in each channel bandwidth configuration of the 802.11a/g/n/ac modes.
- The **blue highlighted** cells represent highest output configurations in each standalone or aggregated frequency band, with tune-up tolerance included.

Table 14.4-3: Maximum output power measured of WLAN antenna, for the applicable OFDM configurations according to the default power measurement procedures for selection initial test configurations

802.11 mode	a	n		ac		
BW(MHz)	20	20	40	20	40	80
U-NII-1	36/40/44/48 67/66/60/45	36/40/44/48	38/46	36/40/44/48	38/46	42
U-NII-2A	52/56/60/64 59/62/62/63	52/56/60/64	54/62	52/56/60/64	54/62	58
U-NII-2C	100/104/108/112 58/54/51/52 116/120/124/128 54/57/59/61 132/136/140/144 62/61/60/59	100/104/108/112 116/132/136/140	102/110/134	100/104/108 /112 116/132/136/ 140	102/110/134	106
U-NII-3	149/153/157/161/165 63/63/67/67/67	149/153/157/161/165	151/159	149/153/157 /161/165	151/159	155

- The **bold numbers** is the maximum output measured power (mW).
- Channels with measured maximum power within 0.25dB are considered to have the same measured output. Channels selected for initial test configuration are **highlighted in yellow**.

**Table 14.4-4: Reported SAR of initial test configuration for Head**

802.11 mode	a	n		ac		
BW(MHz)	20	20	40	20	40	80
U-NII-1	36/40/44/48 1.02 / 0.88	36/40/44/48	38/46	36/40/44/48	38/46	42
U-NII-2A	52/56/60/64 1.04 / 1.00	52/56/60/64	54/62	52/56/60/64	54/62	58
U-NII-2C	100/104/108/112/116/120/124 /128/132/136/140/144 0.84 / 0.96	100/104/108/112 116/132/136/140	102/110/118/ 126/134	100/104/108/112 116/132/136/140	102/110 /134	106
U-NII-3	149/153/157/161/165 0.99 / 1.03	149/153/157/161/ 165	151/159	149/153/157/161 /165	151/159	155

Initial test configuration SAR for U-NII-2A band is > 0.8 W/kg, SAR is required for next highest output channel in initial test configuration. The next highest output channel SAR is ≤ 1.2 W/kg, SAR is not required for subsequent next highest output channel. Similar circumstances apply to U-NII-2C band and U-NII-3 band.

The green highlighted channels are next highest measured output channel in the initial test configuration. Highest measured output power channel tested initially are in yellow highlight.

**Table 14.4-5: Reported SAR of initial test configuration for Body**

802.11 mode	a	n		ac		
BW(MHz)	20	20	40	20	40	80
U-NII-1	36/40/44/48 0.15	36/40/44/48	38/46	36/40/44/48	38/46	42
U-NII-2A	52/56/60/64 0.11	52/56/60/64	54/62	52/56/60/64	54/62	58
U-NII-2C	100/104/108/112/116/120/124 /128/132/136/140/144 0.16	100/104/108/112 116/132/136/140	102/110/118/ 126/134	100/104/108/112 116/132/136/140	102/110 /134	106
U-NII-3	149/153/157/161/165 0.15	149/153/157/161/ 165	151/159	149/153/157/161 /165	151/159	155

Highest measured output power channel tested initially are in yellow highlight.

**Table 14.4-6: SAR Values(WLAN - Head)– 802.11a 18Mbps**

Frequency		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)
MHz	Ch.										
36	5180	Left	Touch	/	18.27	18.5	0.246	<b>0.26</b>	0.856	<b>0.90</b>	0.05
36	5180	Left	Tilt	/	18.27	18.5	0.211	<b>0.22</b>	0.733	<b>0.77</b>	0.04
36	5180	Right	Touch	/	18.27	18.5	0.218	<b>0.23</b>	0.751	<b>0.79</b>	-0.02
36	5180	Right	Tilt	/	18.27	18.5	0.204	<b>0.22</b>	0.742	<b>0.78</b>	0.17
40	5200	Left	Touch	/	18.21	18.5	0.210	<b>0.22</b>	0.728	<b>0.78</b>	0.04
64	5320	Left	Touch	/	17.99	18	0.268	<b>0.27</b>	0.885	<b>0.89</b>	0.17
64	5320	Left	Tilt	/	17.99	18	0.230	<b>0.23</b>	0.758	<b>0.76</b>	0.03
64	5320	Right	Touch	/	17.99	18	0.263	<b>0.26</b>	0.803	<b>0.80</b>	0.01
64	5320	Right	Tilt	/	17.99	18	0.244	<b>0.24</b>	0.790	<b>0.79</b>	0.03
60	5300	Left	Touch	Fig.38	17.95	18	0.255	<b>0.26</b>	0.913	<b>0.92</b>	0.07
132	5660	Left	Touch	/	17.89	18	0.287	<b>0.29</b>	0.824	<b>0.85</b>	0.13
132	5660	Left	Tilt	/	17.89	18	0.275	<b>0.28</b>	0.653	<b>0.67</b>	0.08
132	5660	Right	Touch	/	17.89	18	0.250	<b>0.26</b>	0.693	<b>0.71</b>	0.06
132	5660	Right	Tilt	/	17.89	18	0.264	<b>0.27</b>	0.638	<b>0.65</b>	0.05
128	5640	Left	Touch	/	17.87	18	0.254	<b>0.26</b>	0.717	<b>0.74</b>	-0.06
157	5785	Left	Touch	/	18.29	18.5	0.299	<b>0.31</b>	0.826	<b>0.87</b>	-0.02
157	5785	Left	Tilt	/	18.29	18.5	0.268	<b>0.28</b>	0.716	<b>0.75</b>	0.11
157	5785	Right	Touch	/	18.29	18.5	0.252	<b>0.26</b>	0.663	<b>0.70</b>	0.05
157	5785	Right	Tilt	/	18.29	18.5	0.239	<b>0.25</b>	0.654	<b>0.69</b>	-0.12
161	5805	Left	Touch	/	18.27	18.5	0.305	<b>0.32</b>	0.867	<b>0.91</b>	0.18

**Table 14.4-7: SAR Values (WLAN - Body)– 802.11a18Mbps**

Frequency		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)
MHz	Ch.									
36	5180	Front	/	18.27	18.5	<0.01	<0.01	< <b>0.01</b>	<0.01	< <b>0.01</b>
36	5180	Rear	/	18.27	18.5	0.045	<b>0.05</b>	0.124	<b>0.13</b>	0.16
36	5180	Left	/	18.27	18.5	<0.01	<0.01	< <b>0.01</b>	<0.01	< <b>0.01</b>
36	5180	Right	/	18.27	18.5	<0.01	<0.01	< <b>0.01</b>	<0.01	< <b>0.01</b>
36	5180	Top	/	18.27	18.5	0.029	<b>0.03</b>	0.067	<b>0.07</b>	0.01
64	5320	Front	/	17.99	18	<0.01	< <b>0.01</b>	<0.01	< <b>0.01</b>	/
64	5320	Rear	/	17.99	18	0.041	<b>0.04</b>	0.100	<b>0.10</b>	0.09
64	5320	Left	/	17.99	18	<0.01	< <b>0.01</b>	<0.01	< <b>0.01</b>	/
64	5320	Right	/	17.99	18	<0.01	< <b>0.01</b>	<0.01	< <b>0.01</b>	/
64	5320	Top	/	17.99	18	0.028	<b>0.03</b>	0.084	<b>0.08</b>	0.05
132	5660	Front	/	17.89	18	<0.01	< <b>0.01</b>	<0.01	< <b>0.01</b>	/
132	5660	Rear	Fig.39	17.89	18	0.054	<b>0.06</b>	0.133	<b>0.14</b>	0.08

132	5660	Left	/	17.89	18	<0.01	<b>&lt;0.01</b>	<0.01	<b>&lt;0.01</b>	/
132	5660	Right	/	17.89	18	0.002	<b>0.00</b>	0.012	<b>0.01</b>	0.06
132	5660	Top	/	17.89	18	0.042	<b>0.04</b>	0.118	<b>0.12</b>	0.05
157	5785	Front	/	18.29	18.5	<0.01	<b>&lt;0.01</b>	<0.01	<b>&lt;0.01</b>	/
157	5785	Rear	/	18.29	18.5	0.051	<b>0.05</b>	0.127	<b>0.13</b>	0.06
157	5785	Left	/	18.29	18.5	<0.01	<b>&lt;0.01</b>	<0.01	<b>&lt;0.01</b>	/
157	5785	Right	/	18.29	18.5	<0.01	<b>&lt;0.01</b>	<0.01	<b>&lt;0.01</b>	/
157	5785	Top	/	18.29	18.5	0.027	<b>0.03</b>	0.104	<b>0.11</b>	0.09

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

According to the KDB248227 D01, The reported SAR must be scaled to 100% transmission duty factor to determine compliance at the maximum tune-up tolerance limit. The scaled reported SAR is presented as below.

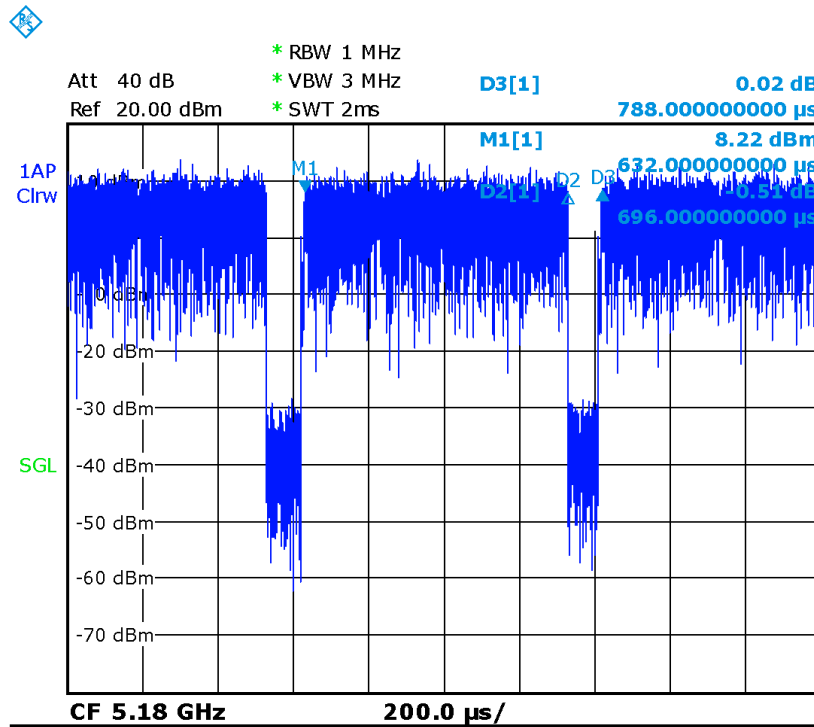
**Table 14.4-8: SAR Values (WLAN - Head) – 802.11a 18Mbps (Scaled Reported SAR)**

Frequency		Side	Test Position	Actual duty factor	maximum duty factor	Reported SAR (1g) (W/kg)	Scaled reported SAR (1g) (W/kg)
MHz	Ch.						
5180	36	Left	Touch	88.32%	100%	<b>0.90</b>	<b>1.02</b>
5200	40	Left	Touch	88.32%	100%	<b>0.78</b>	<b>0.88</b>
5320	64	Left	Touch	88.78%	100%	<b>0.89</b>	<b>1.00</b>
5300	60	Left	Touch	88.78%	100%	<b>0.92</b>	<b>1.04</b>
5660	132	Left	Touch	88.27%	100%	<b>0.85</b>	<b>0.96</b>
5640	128	Left	Touch	88.27%	100%	<b>0.74</b>	<b>0.84</b>
5785	157	Left	Touch	88.32%	100%	<b>0.87</b>	<b>0.99</b>
5805	161	Left	Touch	88.32%	100%	<b>0.91</b>	<b>1.03</b>
5320	64	Right	Touch	88.78%	100%	<b>0.80</b>	<b>0.90</b>

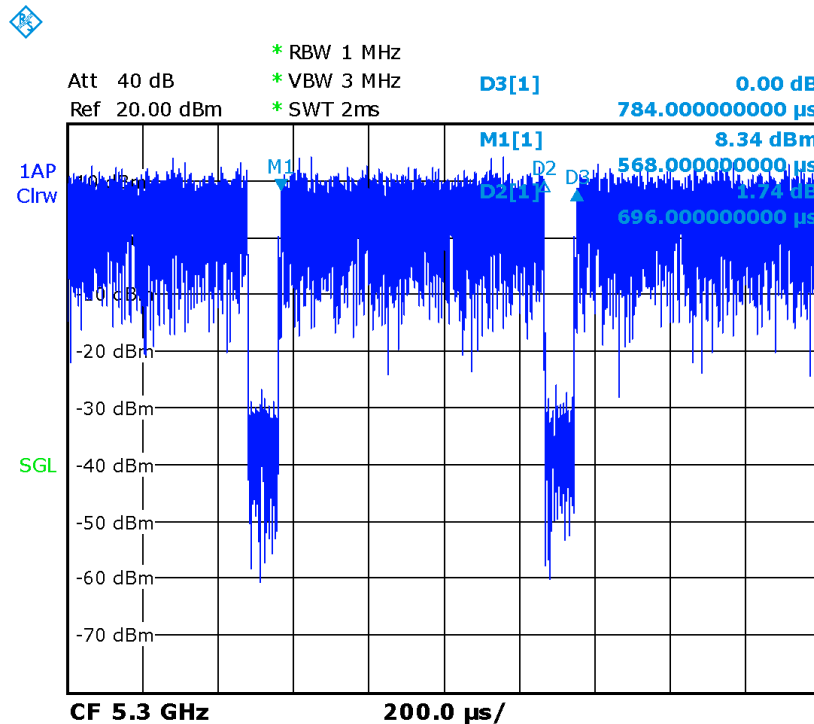
**Table 14.4-9: SAR Values (WLAN - Body) – 802.11a 18Mbps (Scaled Reported SAR)**

Frequency		Test Position	D (mm)	Actual duty factor	maximum duty factor	Reported SAR (1g) (W/kg)	Scaled reported SAR (1g) (W/kg)
MHz	Ch.						
5180	36	Rear	10	88.32%	100%	<b>0.13</b>	<b>0.15</b>
5320	64	Rear	10	88.78%	100%	<b>0.10</b>	<b>0.11</b>
5660	132	Rear	10	88.27%	100%	<b>0.14</b>	<b>0.16</b>
5785	157	Rear	10	88.32%	100%	<b>0.13</b>	<b>0.15</b>

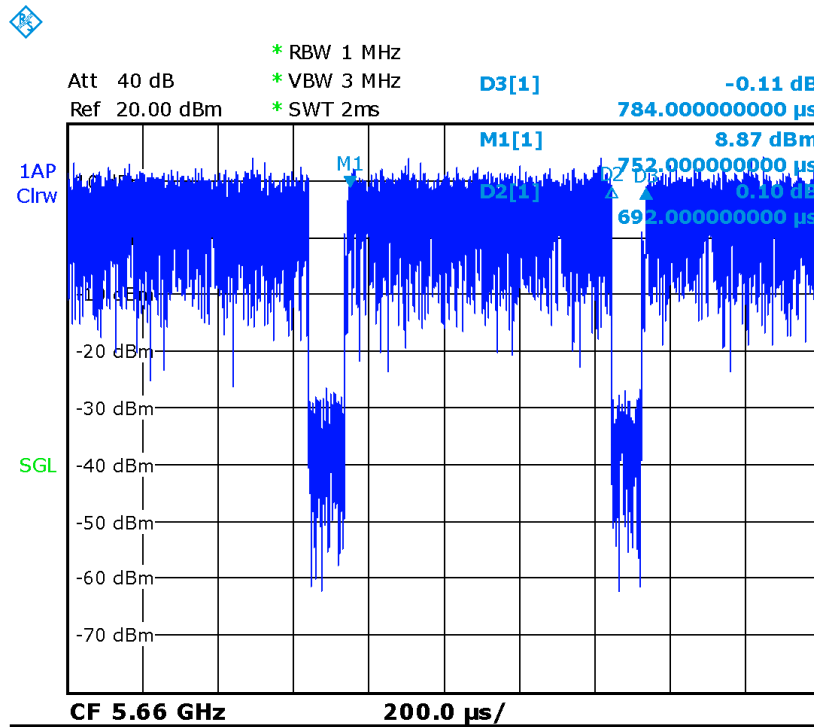




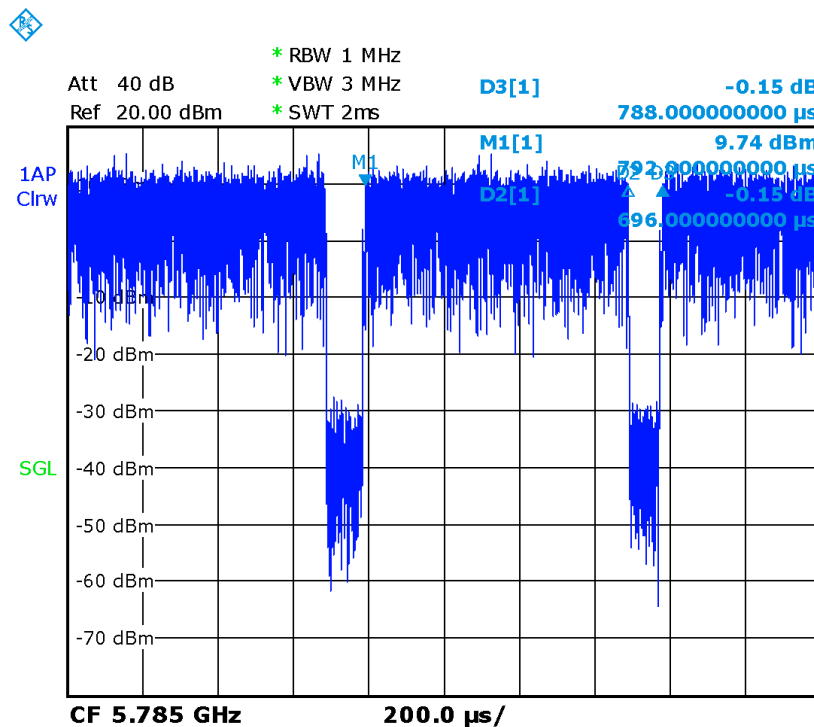
Picture 14.3 The plot of duty factor for U-NII-1



Picture 14.4 The plot of duty factor for U-NII-2A



Picture 14.5 The plot of duty factor for U-NII-2C



Picture 14.6 The plot of duty factor for U-NII-3

## 15 SAR Measurement Variability

SAR measurement variability must be assessed for each frequency band, which is determined by the SAR probe calibration point and tissue-equivalent medium used for the device measurements. When both head and body tissue-equivalent media are required for SAR measurements in a frequency band, the variability measurement procedures should be applied to the tissue medium with the highest measured SAR, using the highest measured SAR configuration for that tissue-equivalent medium.

The following procedures are applied to determine if repeated measurements are required.

- 1) Repeated measurement is not required when the original highest measured SAR is  $< 0.80$  W/kg; steps 2) through 4) do not apply.
- 2) When the original highest measured SAR is  $\geq 0.80$  W/kg, repeat that measurement once.
- 3) Perform a second repeated measurement only if the ratio of largest to smallest SAR for the original and first repeated measurements is  $> 1.20$  or when the original or repeated measurement is  $\geq 1.45$  W/kg ( $\sim 10\%$  from the 1-g SAR limit).
- 4) Perform a third repeated measurement only if the original, first or second repeated measurement is  $\geq 1.5$  W/kg and the ratio of largest to smallest SAR for the original, first and second repeated measurements is  $> 1.20$ .

**Table 15.1: SAR Measurement Variability for Body PCS1900 (1g)**

Frequency		Test Position	Spacing (mm)	Original SAR (W/kg)	First Repeated SAR (W/kg)	The Ratio	Second Repeated SAR (W/kg)
Ch.	MHz						
512	1850.2	Bottom	10	0.844	0.825	1.02	/

**Table 15.2: SAR Measurement Variability for Body W1700 (1g)**

Frequency		Test Position	Spacing (mm)	Original SAR (W/kg)	First Repeated SAR (W/kg)	The Ratio	Second Repeated SAR (W/kg)
Ch.	MHz						
1738	1752.6	Rear	10	0.927	0.904	1.03	/

**Table 15.3: SAR Measurement Variability for Body W1900 (1g)**

Frequency		Test Position	Spacing (mm)	Original SAR (W/kg)	First Repeated SAR (W/kg)	The Ratio	Second Repeated SAR (W/kg)
Ch.	MHz						
9800	1880	Bottom	10	1.04	1.01	1.03	/

**Table 15.4: SAR Measurement Variability for Body LTE B2 (1g)**

Frequency		Mode	Test Position	Spacing (mm)	Original SAR (W/kg)	First Repeated SAR (W/kg)	The Ratio	Second Repeated SAR (W/kg)
Ch.	MHz							
19100	1900	50RB_Low	Bottom	10	1.10	1.05	1.05	/