	1RB Low (0)	2560	24	22.53	0	21.58	1
		2535	24	23.03	0	22.23	1
		2510	24	22.92	0	22.18	1
	50RB High (50)	2560	24	21.51	1	20.66	2
		2535	24	21.86	1	20.88	2
		2510	24	21.86	1	20.94	2
	50RB Middle (25)	2560	24	21.54	1	20.58	2
		2535	24	21.77	1	20.77	2
		2510	24	21.89	1	20.81	2
	50RB Low (0)	2560	24	21.51	1	20.60	2
		2535	24	21.85	1	20.91	2
		2510	24	21.82	1	20.84	2
	100RB (0)	2560	24	21.70	1	20.62	2
		2535	24	21.76	1	20.82	2
		2510	24	21.93	1	20.92	2

Band 13							
Bandwidth (MHz)	RB allocation RB offset (Start RB)	Frequency (MHz)	Max. Target Power (dBm)	QPSK		16QAM	
				Actual output power (dBm)	MPR	Actual output power (dBm)	MPR
5 MHz	1RB High (24)	784.5	24	23.41	0	22.61	1
		782	24	23.48	0	22.70	1
		779.5	24	23.40	0	22.68	1
	1RB Middle (12)	784.5	24	23.35	0	22.59	1
		782	24	23.49	0	22.57	1
		779.5	24	23.41	0	22.59	1
	1RB Low (0)	784.5	24	23.48	0	22.53	1
		782	24	23.30	0	22.57	1
		779.5	24	23.35	0	22.65	1
	12RB High (13)	784.5	24	22.28	1	21.52	2
		782	24	22.35	1	21.53	2
		779.5	24	22.34	1	21.57	2
	12RB Middle (6)	784.5	24	22.47	1	21.58	2
		782	24	22.41	1	21.57	2
		779.5	24	22.32	1	21.50	2
	12RB Low (0)	784.5	24	22.42	1	21.52	2
		782	24	22.34	1	21.52	2
		779.5	24	22.34	1	21.44	2
	25RB (0)	784.5	24	22.39	1	21.45	2
		782	24	22.33	1	21.44	2
		779.5	24	22.37	1	21.50	2
10 MHz	1RB High (49)	782	24	23.04	0	22.60	1
	1RB Middle (24)	782	24	23.40	0	22.89	1
	1RB Low (0)	782	24	23.06	0	22.60	1
	25RB High (25)	782	24	22.25	1	21.29	2

	25RB Middle (12)	782	24	22.41	1	21.36	2
	25RB Low (0)	782	24	22.28	1	21.24	2
	50RB (0)	782	24	22.24	1	21.24	2

Band 17							
Bandwidth (MHz)	RB allocation RB offset (Start RB)	Frequency (MHz)	Max. Target Power (dBm)	QPSK		16QAM	
				Actual output power (dBm)	MPR	Actual output power (dBm)	MPR
5 MHz	1RB High (24)	713.5	24	23.61	0	22.78	1
		710	24	23.53	0	22.85	1
		706.5	24	23.51	0	22.86	1
	1RB Middle (12)	713.5	24	23.61	0	22.94	1
		710	24	23.61	0	22.96	1
		706.5	24	23.47	0	22.78	1
	1RB Low (0)	713.5	24	23.72	0	22.86	1
		710	24	23.54	0	22.92	1
		706.5	24	23.58	0	22.81	1
	12RB High (13)	713.5	24	22.54	1	21.78	2
		710	24	22.69	1	21.82	2
		706.5	24	22.71	1	21.86	2
	12RB Middle (6)	713.5	24	22.65	1	21.72	2
		710	24	22.76	1	21.83	2
		706.5	24	22.63	1	21.81	2
	12RB Low (0)	713.5	24	22.70	1	21.76	2
		710	24	22.67	1	21.88	2
		706.5	24	22.63	1	21.76	2
	25RB (0)	713.5	24	22.67	1	21.69	2
		710	24	22.71	1	21.72	2
		706.5	24	22.68	1	21.87	2
10 MHz	1RB High (49)	711	24	23.05	0	22.32	1
		710	24	23.06	0	22.26	1
		709	24	23.08	0	22.28	1
	1RB Middle (24)	711	24	23.50	0	22.76	1
		710	24	23.63	0	22.87	1
		709	24	23.49	0	22.63	1
	1RB Low (0)	711	24	23.05	0	22.37	1
		710	24	23.16	0	22.30	1
		709	24	23.17	0	22.36	1

	25RB High (25)	711	24	22.47	1	21.42	2
		710	24	22.56	1	21.61	2
		709	24	22.45	1	21.57	2
	25RB Middle (12)	711	24	22.66	1	21.65	2
		710	24	22.58	1	21.72	2
		709	24	22.69	1	21.78	2
	25RB Low (0)	711	24	22.60	1	21.63	2
		710	24	22.52	1	21.60	2
		709	24	22.56	1	21.58	2
	50RB (0)	711	24	22.59	1	21.63	2
		710	24	22.73	1	21.71	2
		709	24	22.58	1	21.65	2

Band 38							
Bandwidth (MHz)	RB allocation / RB offset (Start RB)	Frequency (MHz)	Max. Target Power (dBm)	QPSK		16QAM	
				Actual output power (dBm)	MPR	Actual output power (dBm)	MPR
5 MHz	1RB High (24)	2617.5	24	23.15	0	22.25	1
		2595	24	23.25	0	22.70	1
		2572.5	24	23.33	0	22.82	1
	1RB Middle (12)	2617.5	24	23.21	0	22.37	1
		2595	24	23.39	0	22.88	1
		2572.5	24	23.39	0	22.82	1
	1RB Low (0)	2617.5	24	23.21	0	22.37	1
		2595	24	23.48	0	22.90	1
		2572.5	24	23.42	0	22.92	1
	12RB High (13)	2617.5	24	22.22	1	21.18	2
		2595	24	22.20	1	21.15	2
		2572.5	24	22.20	1	21.38	2
	12RB Middle (6)	2617.5	24	22.40	1	21.29	2
		2595	24	22.42	1	21.46	2
		2572.5	24	22.45	1	21.26	2
	12RB Low (0)	2617.5	24	22.37	1	21.32	2
		2595	24	22.53	1	21.55	2
		2572.5	24	22.55	1	21.58	2
	25RB (0)	2617.5	24	22.34	1	21.26	2
		2595	24	22.41	1	21.29	2
		2572.5	24	22.36	1	21.44	2
10 MHz	1RB High (49)	2615	24	23.28	0	22.50	1
		2595	24	23.45	0	22.47	1
		2575	24	23.45	0	22.70	1
	1RB Middle (24)	2615	24	23.52	0	22.50	1
		2595	24	23.50	0	22.41	1
		2575	24	23.30	0	22.98	1

	1RB Low (0)	2615	24	23.41	0	22.51	1
		2595	24	23.34	0	22.43	1
		2575	24	23.45	0	22.97	1
	25RB High (25)	2615	24	22.41	1	21.42	2
		2595	24	22.40	1	21.31	2
		2575	24	22.33	1	21.40	2
	25RB Middle (12)	2615	24	22.29	1	21.25	2
		2595	24	22.31	1	21.46	2
		2575	24	22.40	1	21.31	2
	25RB Low (0)	2615	24	22.27	1	21.28	2
		2595	24	22.28	1	21.41	2
		2575	24	22.30	1	21.37	2
	50RB (0)	2615	24	22.17	1	21.45	2
		2595	24	22.18	1	21.34	2
		2575	24	22.18	1	21.43	2
15 MHz	1RB High (74)	2612.5	24	23.48	0	22.57	1
		2595	24	23.45	0	22.46	1
		2577.5	24	23.43	0	22.44	1
	1RB Middle (37)	2612.5	24	23.51	0	22.55	1
		2595	24	23.46	0	22.48	1
		2577.5	24	23.48	0	22.46	1
	1RB Low (0)	2612.5	24	23.43	0	22.44	1
		2595	24	23.41	0	22.43	1
		2577.5	24	23.32	0	22.39	1
	36RB High (38)	2612.5	24	22.44	1	21.48	2
		2595	24	22.43	1	21.44	2
		2577.5	24	22.45	1	21.46	2
	36RB Middle (19)	2612.5	24	22.37	1	21.37	2
		2595	24	22.35	1	21.39	2
		2577.5	24	22.34	1	21.32	2
	36RB Low (0)	2612.5	24	22.26	1	21.25	2
		2595	24	22.24	1	21.23	2
		2577.5	24	22.28	1	21.28	2
	75RB (0)	2612.5	24	22.21	1	21.25	2
		2595	24	22.18	1	21.21	2
		2577.5	24	22.16	1	21.22	2
20 MHz	1RB High (99)	2610	24	23.30	0	22.11	1
		2595	24	23.37	0	22.12	1
		2580	24	23.37	0	22.38	1
	1RB Middle (50)	2610	24	23.32	0	22.15	1
		2595	24	23.41	0	22.04	1
		2580	24	23.38	0	22.26	1
	1RB Low (0)	2610	24	23.37	0	22.16	1
		2595	24	23.35	0	22.08	1
		2580	24	23.29	0	22.19	1
	50RB High (50)	2610	24	22.53	1	21.68	2
		2595	24	22.51	1	21.64	2
		2580	24	22.47	1	21.65	2

	50RB Middle (25)	2610	24	22.59	1	21.65	2
		2595	24	22.54	1	21.61	2
		2580	24	22.52	1	21.57	2
	50RB Low (0)	2610	24	22.53	1	21.58	2
		2595	24	22.52	1	21.55	2
		2580	24	22.45	1	21.42	2
	100RB (0)	2610	24	22.51	1	21.58	2
		2595	24	22.45	1	21.47	2
		2580	24	22.39	1	21.43	2

Low power

Table 11.3-2: The conducted Power for LTE

Band 2							
Bandwidth (MHz)	RB allocation / RB offset (Start RB)	Frequency (MHz)	Max. Target Power (dBm)	QPSK		16QAM	
				Actual output power (dBm)	MPR	Actual output power (dBm)	MPR
1.4 MHz	1RB High (5)	1909.3	21	20.19	0	20.23	0
		1880	21	20.06	0	20.40	0
		1850.7	21	20.24	0	20.36	0
	1RB Middle (3)	1909.3	21	20.23	0	20.27	0
		1880	21	20.26	0	20.41	0
		1850.7	21	20.31	0	20.39	0
	1RB Low (0)	1909.3	21	20.22	0	20.21	0
		1880	21	20.22	0	20.30	0
		1850.7	21	20.29	0	20.45	0
	3RB High (3)	1909.3	21	20.21	0	20.25	0
		1880	21	20.17	0	20.35	0
		1850.7	21	20.30	0	20.49	0
	3RB Middle (1)	1909.3	21	20.27	0	20.31	0
		1880	21	20.25	0	20.12	0
		1850.7	21	20.33	0	20.46	0
	3RB Low (0)	1909.3	21	20.25	0	20.30	0
		1880	21	20.17	0	20.35	0
		1850.7	21	20.35	0	20.52	0
	6RB (0)	1909.3	21	20.27	0	20.48	0
		1880	21	20.19	0	20.50	0
		1850.7	21	20.36	0	20.35	0
3 MHz	1RB High (14)	1908.5	21	20.25	0	20.14	0
		1880	21	20.13	0	20.19	0
		1851.5	21	20.29	0	20.44	0
	1RB Middle (7)	1908.5	21	20.31	0	20.28	0
		1880	21	20.26	0	20.28	0
		1851.5	21	20.35	0	20.42	0
	1RB Low (0)	1908.5	21	20.34	0	20.20	0
		1880	21	20.29	0	20.21	0
		1851.5	21	20.36	0	20.37	0

	8RB High (7)	1908.5	21	20.28	0	20.22	0
		1880	21	20.20	0	20.16	0
		1851.5	21	20.34	0	20.23	0
	8RB Middle (4)	1908.5	21	20.32	0	20.40	0
		1880	21	20.25	0	20.36	0
		1851.5	21	20.34	0	20.27	0
	8RB Low (0)	1908.5	21	20.31	0	20.41	0
		1880	21	20.26	0	20.39	0
		1851.5	21	20.38	0	20.21	0
	15RB (0)	1908.5	21	20.30	0	20.30	0
		1880	21	20.25	0	20.45	0
		1851.5	21	20.37	0	20.25	0
5 MHz	1RB High (24)	1907.5	21	20.30	0	20.35	0
		1880	21	20.15	0	20.49	0
		1852.5	21	20.29	0	20.31	0
	1RB Middle (12)	1907.5	21	20.34	0	20.12	0
		1880	21	20.29	0	20.46	0
		1852.5	21	20.33	0	20.30	0
	1RB Low (0)	1907.5	21	20.52	0	20.35	0
		1880	21	20.28	0	20.52	0
		1852.5	21	20.45	0	20.48	0
	12RB High (13)	1907.5	21	20.30	0	20.50	0
		1880	21	20.24	0	20.35	0
		1852.5	21	20.36	0	20.14	0
	12RB Middle (6)	1907.5	21	20.34	0	20.19	0
		1880	21	20.27	0	20.44	0
		1852.5	21	20.36	0	20.28	0
	12RB Low (0)	1907.5	21	20.37	0	20.28	0
		1880	21	20.35	0	20.42	0
		1852.5	21	20.41	0	20.20	0
	25RB (0)	1907.5	21	20.37	0	20.21	0
		1880	21	20.25	0	20.37	0
		1852.5	21	20.38	0	20.22	0
10 MHz	1RB High (49)	1905	21	20.58	0	20.16	0
		1880	21	20.33	0	20.23	0
		1855	21	20.44	0	20.40	0
	1RB Middle (24)	1905	21	20.49	0	20.36	0
		1880	21	20.24	0	20.27	0
		1855	21	20.23	0	20.41	0
	1RB Low (0)	1905	21	20.40	0	20.39	0
		1880	21	20.34	0	20.21	0
		1855	21	20.35	0	20.30	0
	25RB High (25)	1905	21	20.42	0	20.45	0
		1880	21	20.13	0	20.25	0
		1855	21	20.29	0	20.35	0
	25RB Middle (12)	1905	21	20.26	0	20.49	0
		1880	21	20.24	0	20.31	0
		1855	21	20.25	0	20.12	0

	25RB Low (0)	1905	21	20.30	0	20.46	0
		1880	21	20.17	0	20.30	0
		1855	21	20.31	0	20.35	0
	50RB (0)	1905	21	20.38	0	20.52	0
		1880	21	20.26	0	20.48	0
		1855	21	20.31	0	20.50	0
15 MHz	1RB High (74)	1902.5	21	20.62	0	20.35	0
		1880	21	20.36	0	20.14	0
		1857.5	21	20.44	0	20.19	0
	1RB Middle (37)	1902.5	21	20.24	0	20.44	0
		1880	21	20.15	0	20.28	0
		1857.5	21	20.10	0	20.28	0
	1RB Low (0)	1902.5	21	20.50	0	20.42	0
		1880	21	20.36	0	20.20	0
		1857.5	21	20.51	0	20.21	0
	36RB High (38)	1902.5	21	20.38	0	20.37	0
		1880	21	20.10	0	20.22	0
		1857.5	21	20.31	0	20.16	0
	36RB Middle (19)	1902.5	21	20.30	0	20.23	0
		1880	21	20.18	0	20.40	0
		1857.5	21	20.34	0	20.36	0
	36RB Low (0)	1902.5	21	20.29	0	20.27	0
		1880	21	20.15	0	20.41	0
		1857.5	21	20.33	0	20.39	0
	75RB (0)	1902.5	21	20.39	0	20.21	0
		1880	21	20.21	0	20.30	0
		1857.5	21	20.28	0	20.45	0
20 MHz	1RB High (99)	1900	21	20.39	0	20.25	0
		1880	21	20.15	0	20.35	0
		1860	21	20.18	0	20.49	0
	1RB Middle (50)	1900	21	20.32	0	20.31	0
		1880	21	20.20	0	20.12	0
		1860	21	20.20	0	20.46	0
	1RB Low (0)	1900	21	20.42	0	20.30	0
		1880	21	20.39	0	20.35	0
		1860	21	20.31	0	20.52	0
	50RB High (50)	1900	21	20.33	0	20.48	0
		1880	21	20.23	0	20.50	0
		1860	21	20.23	0	20.35	0
	50RB Middle (25)	1900	21	20.38	0	20.14	0
		1880	21	20.36	0	20.19	0
		1860	21	20.34	0	20.44	0
	50RB Low (0)	1900	21	20.37	0	20.28	0
		1880	21	20.18	0	20.28	0
		1860	21	20.26	0	20.42	0
	100RB (0)	1900	21	20.43	0	20.20	0
		1880	21	20.15	0	20.21	0
		1860	21	20.15	0	20.37	0

Band 4							
Bandwidth (MHz)	RB allocation RB offset (Start RB)	Frequency (MHz)	Max. Target Power (dBm)	QPSK		16QAM	
				Actual output power (dBm)	MPR	Actual output power (dBm)	MPR
1.4 MHz	1RB High (5)	1754.3	22	21.42	0	21.63	0
		1732.5	22	21.32	0	21.53	0
		1710.7	22	21.43	0	21.51	0
	1RB Middle (3)	1754.3	22	21.46	0	21.67	0
		1732.5	22	21.43	0	21.62	0
		1710.7	22	21.46	0	21.56	0
	1RB Low (0)	1754.3	22	21.47	0	21.59	0
		1732.5	22	21.42	0	21.57	0
		1710.7	22	21.45	0	21.51	0
	3RB High (3)	1754.3	22	21.40	0	21.52	0
		1732.5	22	21.37	0	21.57	0
		1710.7	22	21.42	0	21.63	0
	3RB Middle (1)	1754.3	22	21.54	0	21.66	0
		1732.5	22	21.36	0	21.56	0
		1710.7	22	21.52	0	21.67	0
	3RB Low (0)	1754.3	22	21.43	0	21.62	0
		1732.5	22	21.36	0	21.57	0
		1710.7	22	21.47	0	21.65	0
	6RB (0)	1754.3	22	21.43	0	21.42	0
		1732.5	22	21.35	0	21.32	0
		1710.7	22	21.45	0	21.39	0
3 MHz	1RB High (14)	1753.5	22	21.43	0	21.67	0
		1732.5	22	21.25	0	21.43	0
		1711.5	22	21.46	0	21.68	0
	1RB Middle (7)	1753.5	22	21.46	0	21.66	0
		1732.5	22	21.42	0	21.63	0
		1711.5	22	21.56	0	21.73	0
	1RB Low (0)	1753.5	22	21.54	0	21.70	0
		1732.5	22	21.36	0	21.67	0
		1711.5	22	21.52	0	21.72	0
	8RB High (7)	1753.5	22	21.45	0	21.54	0
		1732.5	22	21.39	0	21.42	0
		1711.5	22	21.53	0	21.62	0
	8RB Middle (4)	1753.5	22	21.47	0	21.56	0
		1732.5	22	21.46	0	21.53	0
		1711.5	22	21.53	0	21.64	0
	8RB Low (0)	1753.5	22	21.47	0	21.57	0
		1732.5	22	21.42	0	21.55	0
		1711.5	22	21.58	0	21.61	0
	15RB (0)	1753.5	22	21.53	0	21.52	0
		1732.5	22	21.45	0	21.47	0
		1711.5	22	21.55	0	21.63	0

5 MHz	1RB High (24)	1752.5	22	21.47	0	21.86	0
		1732.5	22	21.25	0	21.55	0
		1712.5	22	21.43	0	21.74	0
	1RB Middle (12)	1752.5	22	21.44	0	21.77	0
		1732.5	22	21.36	0	21.76	0
		1712.5	22	21.54	0	21.86	0
	1RB Low (0)	1752.5	22	21.69	0	21.94	0
		1732.5	22	21.43	0	21.66	0
		1712.5	22	21.74	0	21.91	0
	12RB High (13)	1752.5	22	21.51	0	21.65	0
		1732.5	22	21.36	0	21.52	0
		1712.5	22	21.49	0	21.64	0
	12RB Middle (6)	1752.5	22	21.51	0	21.63	0
		1732.5	22	21.44	0	21.53	0
		1712.5	22	21.48	0	21.63	0
	12RB Low (0)	1752.5	22	21.51	0	21.64	0
		1732.5	22	21.46	0	21.62	0
		1712.5	22	21.56	0	21.71	0
	25RB (0)	1752.5	22	21.53	0	21.55	0
		1732.5	22	21.34	0	21.46	0
		1712.5	22	21.49	0	21.54	0
10 MHz	1RB High (49)	1750	22	21.55	0	21.74	0
		1732.5	22	21.43	0	21.54	0
		1715	22	21.46	0	21.67	0
	1RB Middle (24)	1750	22	21.46	0	21.73	0
		1732.5	22	21.39	0	21.44	0
		1715	22	21.33	0	21.51	0
	1RB Low (0)	1750	22	21.54	0	21.74	0
		1732.5	22	21.53	0	21.55	0
		1715	22	21.45	0	21.63	0
	25RB High (25)	1750	22	21.49	0	21.52	0
		1732.5	22	21.35	0	21.37	0
		1715	22	21.42	0	21.43	0
	25RB Middle (12)	1750	22	21.45	0	21.53	0
		1732.5	22	21.42	0	21.43	0
		1715	22	21.37	0	21.40	0
	25RB Low (0)	1750	22	21.45	0	21.52	0
		1732.5	22	21.31	0	21.36	0
		1715	22	21.36	0	21.44	0
	50RB (0)	1750	22	21.51	0	21.55	0
		1732.5	22	21.44	0	21.42	0
		1715	22	21.46	0	21.47	0
15 MHz	1RB High (74)	1747.5	22	21.65	0	21.85	0
		1732.5	22	21.54	0	21.71	0
		1717.5	22	21.51	0	21.58	0
	1RB Middle (37)	1747.5	22	21.37	0	21.47	0
		1732.5	22	21.24	0	21.48	0
		1717.5	22	21.21	0	21.49	0

	1RB Low (0)	1747.5	22	21.58	0	21.71	0
		1732.5	22	21.53	0	21.55	0
		1717.5	22	21.58	0	21.74	0
	36RB High (38)	1747.5	22	21.49	0	21.55	0
		1732.5	22	21.26	0	21.36	0
		1717.5	22	21.45	0	21.42	0
	36RB Middle (19)	1747.5	22	21.47	0	21.57	0
		1732.5	22	21.33	0	21.34	0
		1717.5	22	21.45	0	21.54	0
	36RB Low (0)	1747.5	22	21.49	0	21.50	0
		1732.5	22	21.32	0	21.35	0
		1717.5	22	21.40	0	21.45	0
	75RB (0)	1747.5	22	21.56	0	21.58	0
		1732.5	22	21.36	0	21.42	0
		1717.5	22	21.41	0	21.43	0
20 MHz	1RB High (99)	1745	22	21.43	0	21.53	0
		1732.5	22	21.33	0	21.26	0
		1720	22	21.13	0	21.36	0
	1RB Middle (50)	1745	22	21.42	0	21.52	0
		1732.5	22	21.28	0	21.53	0
		1720	22	21.32	0	21.55	0
	1RB Low (0)	1745	22	21.55	0	21.76	0
		1732.5	22	21.46	0	21.63	0
		1720	22	21.58	0	21.64	0
	50RB High (50)	1745	22	21.49	0	21.57	0
		1732.5	22	21.30	0	21.32	0
		1720	22	21.22	0	21.31	0
	50RB Middle (25)	1745	22	21.52	0	21.62	0
		1732.5	22	21.37	0	21.34	0
		1720	22	21.35	0	21.39	0
	50RB Low (0)	1745	22	21.48	0	21.48	0
		1732.5	22	21.26	0	21.32	0
		1720	22	21.38	0	21.44	0
	100RB (0)	1745	22	21.57	0	21.55	0
		1732.5	22	21.30	0	21.32	0
		1720	22	21.33	0	21.32	0

Band 7							
Bandwidth (MHz)	RB allocation RB offset (Start RB)	Frequency (MHz)	Max. Target Power (dBm)	QPSK		16QAM	
				Actual output power (dBm)	MPR	Actual output power (dBm)	MPR
5 MHz	1RB High (24)	2567.5	20	18.52	0	18.68	0
		2535	20	18.82	0	18.93	0
		2502.5	20	18.81	0	18.82	0
	1RB Middle (12)	2567.5	20	18.46	0	18.75	0
		2535	20	18.68	0	18.98	0
		2502.5	20	18.88	0	18.86	0

	1RB Low (0)	2567.5	20	18.57	0	18.84	0
		2535	20	18.77	0	19.00	0
		2502.5	20	18.81	0	18.91	0
	12RB High (13)	2567.5	20	18.42	0	18.52	0
		2535	20	18.58	0	18.75	0
		2502.5	20	18.74	0	18.82	0
	12RB Middle (6)	2567.5	20	18.40	0	18.56	0
		2535	20	18.60	0	18.76	0
		2502.5	20	18.67	0	18.78	0
	12RB Low (0)	2567.5	20	18.47	0	18.59	0
		2535	20	18.60	0	18.73	0
		2502.5	20	18.76	0	18.93	0
	25RB (0)	2567.5	20	18.41	0	18.45	0
		2535	20	18.63	0	18.65	0
		2502.5	20	18.67	0	18.75	0
10 MHz	1RB High (49)	2565	20	18.64	0	18.63	0
		2535	20	18.84	0	18.95	0
		2505	20	18.84	0	18.95	0
	1RB Middle (24)	2565	20	18.49	0	18.57	0
		2535	20	18.59	0	18.76	0
		2505	20	18.70	0	18.86	0
	1RB Low (0)	2565	20	18.61	0	18.76	0
		2535	20	18.89	0	18.99	0
		2505	20	18.87	0	18.99	0
	25RB High (25)	2565	20	18.43	0	18.44	0
		2535	20	18.64	0	18.70	0
		2505	20	18.75	0	18.67	0
	25RB Middle (12)	2565	20	18.36	0	18.38	0
		2535	20	18.61	0	18.64	0
		2505	20	18.63	0	18.79	0
	25RB Low (0)	2565	20	18.43	0	18.45	0
		2535	20	18.54	0	18.59	0
		2505	20	18.72	0	18.76	0
	50RB (0)	2565	20	18.47	0	18.55	0
		2535	20	18.57	0	18.58	0
		2505	20	18.68	0	18.72	0
15 MHz	1RB High (74)	2562.5	20	19.34	0	19.60	0
		2535	20	19.75	0	19.88	0
		2507.5	20	19.73	0	19.92	0
	1RB Middle (37)	2562.5	20	19.26	0	19.36	0
		2535	20	19.66	0	19.70	0
		2507.5	20	19.68	0	19.76	0
	1RB Low (0)	2562.5	20	19.50	0	19.54	0
		2535	20	19.91	0	19.99	0
		2507.5	20	19.96	0	20.00	0
	36RB High (38)	2562.5	20	19.33	0	19.39	0
		2535	20	19.71	0	19.76	0
		2507.5	20	19.74	0	19.76	0

	36RB Middle (19)	2562.5	20	19.45	0	19.51	0
		2535	20	19.72	0	19.79	0
		2507.5	20	19.76	0	19.83	0
	36RB Low (0)	2562.5	20	19.42	0	19.47	0
		2535	20	19.69	0	19.75	0
		2507.5	20	19.85	0	19.79	0
	75RB (0)	2562.5	20	19.51	0	19.47	0
		2535	20	19.68	0	19.72	0
		2507.5	20	19.80	0	19.80	0
20 MHz	1RB High (99)	2560	20	19.61	0	19.58	0
		2535	20	19.82	0	19.96	0
		2510	20	19.84	0	19.90	0
	1RB Middle (50)	2560	20	19.35	0	19.54	0
		2535	20	19.70	0	19.89	0
		2510	20	19.77	0	19.92	0
	1RB Low (0)	2560	20	19.32	0	19.45	0
		2535	20	19.85	0	19.96	0
		2510	20	19.83	0	19.92	0
	50RB High (50)	2560	20	19.42	0	19.50	0
		2535	20	19.76	0	19.82	0
		2510	20	19.79	0	19.80	0
	50RB Middle (25)	2560	20	19.38	0	19.39	0
		2535	20	19.64	0	19.68	0
		2510	20	19.72	0	19.68	0
	50RB Low (0)	2560	20	19.41	0	19.41	0
		2535	20	19.71	0	19.76	0
		2510	20	19.72	0	19.71	0
	100RB (0)	2560	20	19.56	0	19.48	0
		2535	20	19.68	0	19.72	0
		2510	20	19.76	0	19.85	0

The following conducted power measurement results of downlink LTE carrier aggregation are provided to quantify downlink only carrier aggregation SAR test exclusion per KDB 941225 D05A. 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, to confirm that when downlink carrier aggregation is active uplink maximum output power remains within the specified tune-up tolerance limits and not more than ¼ dB higher than the maximum output power measured when downlink carrier aggregation inactive.

The conducted power measurement results of downlink LTE CA conducted power are as below (**Normal Power**):

DL LTE CA Class	PCC								SCC			Power		
	PCC Band	PCC Band Width (MHz)	PCC UL RB size	PCC UL RB offset	PCC DL RB size	PCC DL RB offset	PCC UL Channel	PCC DL Channel	SCC Band	SCC Band Width (MHz)	SCC DL Channel	Rel 8 LTE Tx Power (dBm)	Rel 10 DL LTE CA Tx Power (dBm)	Tune up
7C	7	15	1	0	75	0	20825	2825	7	15	2975	23.05	22.82	24
7B	7	15	1	0	75	0	20825	2825	7	5	2918	23.05	22.81	24
7A-7A	7	10	1	0	50	0	20800	2800	7	20	3350	23.27	22.44	24
38C	38	15	1	0	75	0	38175	38175	38	15	38025	23.51	23.21	24
7A-3A	7	10	1	0	50	0	20800	2800	3	20	1575	23.27	23.42	24
7A-20A	7	10	1	0	50	0	20800	2800	20	20	6300	23.27	23.40	24
7A-28A	7	10	1	0	50	0	20800	2800	28	20	9460	23.27	23.45	24

Note: Testing is not required in bands or modes not intended/allowed for US operation.

The conducted power measurement results of downlink LTE CA Conduted Power are as below (**Low Power**):

DL LTE CA Class	PCC								SCC			Power		
	PCC Band	PCC Band Width (MHz)	PCC UL RB size	PCC UL RB offset	PCC DL RB size	PCC DL RB offset	PCC UL Channel	PCC DL Channel	SCC Band	SCC Band Width (MHz)	SCC DL Channel	Rel 8 LTE Tx Power (dBm)	Rel 10 DL LTE CA Tx Power (dBm)	Tune up
7C	7	15	1	0	75	0	20825	2825	7	15	2945	19.96	19.01	20
7B	7	15	1	0	75	0	20825	2825	7	5	2918	19.96	19.03	20
7A-7A	7	15	1	0	75	0	20825	2825	7	20	3350	19.96	18.98	20
7A-3A	7	15	1	0	75	0	20825	2825	3	20	1575	19.96	18.78	20
7A-20A	7	15	1	0	75	0	20825	2825	20	20	6300	19.96	18.76	20
7A-28A	7	15	1	0	75	0	20825	2825	28	20	9460	19.96	18.79	20

Note: Testing is not required in bands or modes not intended/allowed for US operation.

11.4 Wi-Fi and BT Measurement result

The output power of BT antenna is as following:

Mode	Conducted Power (dBm)			
	Channel 0 (2402MHz)	Channel 39 (2441MHz)	Channel 78(2480MHz)	Tune up
GFSK	7.96	8.69	7.78	**9**
EDR2M-4_DQPSK	7.78	8.52	7.65	**9**
EDR3M-8DPSK	7.00	7.72	6.91	**8**

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

802.11b (dBm)

Channel\data rate	1Mbps	2Mbps	5.5Mbps	11Mbps
1	20.77	/	/	/
6	20.97	20.87	20.93	20.89
11	19.98	/	/	/
Tune up	**21**	**21**	**21**	**21**

802.11g (dBm)

Channel\data rate	6Mbps	9Mbps	12Mbps	18Mbps	24Mbps	36Mbps	48Mbps	54Mbps
1	19.68	/	/	/	/	/	/	/
6	19.81	19.78	19.76	19.75	19.71	18.46	17.60	16.58
11	18.95	/	/	/	/	/	/	/
Tune up	**20**	**20**	**20**	**20**	**20**	**20**	**18**	**18**

802.11n (dBm) - HT20 (2.4G)

Channel\data rate	MCS0	MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7
1	18.87	18.89	/	/	/	/	/	/
6	19.04	19.05	19.03	18.98	18.96	17.66	16.64	16.15
11	18.10	18.12	/	/	/	/	/	/
Tune up	**20**	**20**	**20**	**20**	**20**	**18**	**18**	**18**

802.11n (dBm) – HT40 (2.4G)

Channel\data rate	MCS0	MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7
3	19.50	19.46	19.45	19.38	19.35	17.89	16.90	16.28
6	19.43	/	/	/	/	/	/	/
9	19.24	/	/	/	/	/	/	/
Tune up	**20**	**20**	**20**	**20**	**20**	**18**	**18**	**18**

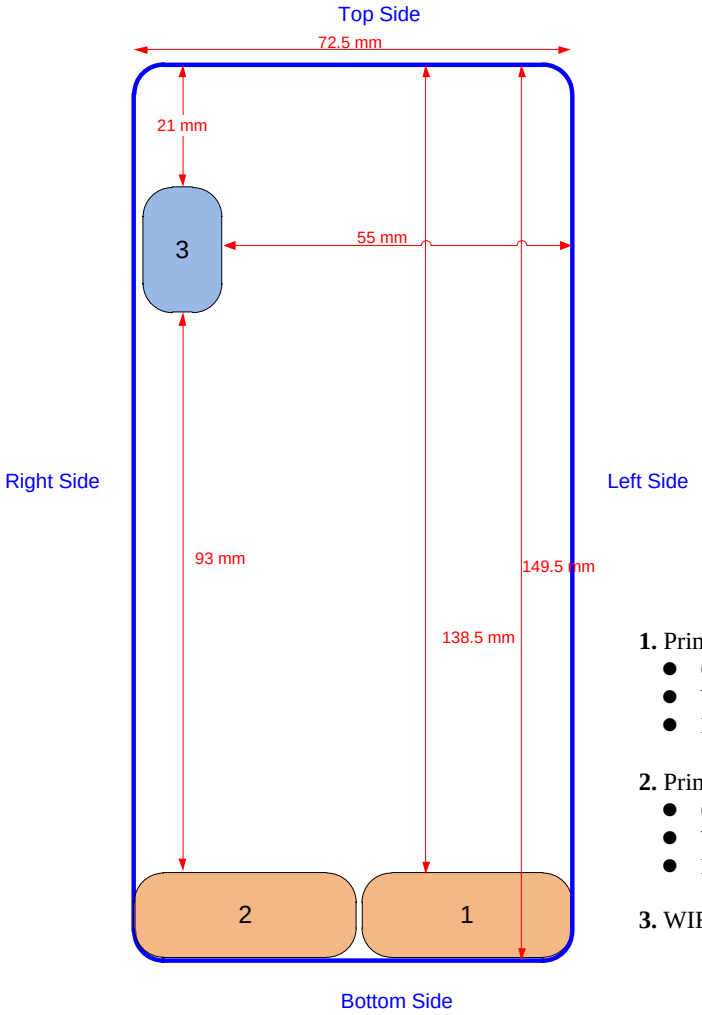
The Tune up and conducted power of Wi-Fi 5G are presented in section 14.5.

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



1. Primary Antenna1 (Tx/Rx)
- GSM 850/900
- WCDMA B 5/6/8
- LTE B 5/7/8/13/17/20/28/38/40

2. Primary Antenna2 (Tx/Rx)
- GSM 850/900/1800/1900
- WCDMA B1/2/4/5/6/8
- LTE B 1/2/3/4/5/8/13/17/20/28

3. WIFI 2.4G&5G/Bluetooth (Tx/Rx)

Back View

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
Primary antenna 1	Yes	Yes	Yes	Yes	No	Yes
Primary antenna 2	Yes	Yes	Yes	Yes	No	Yes
WLAN	Yes	Yes	No	Yes	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≤ 50 mm are determined by:
[(max. power of channel, including tune-up tolerance, mW)/(min. test separation distance, mm)] · [√f(GHz)] ≤ 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	9	7.94	Yes
		Body	19.20	9	7.94	Yes
2.4GHz WLAN	2.45	Head	9.58	21	125.9	No
		Body	19.17	21	125.9	No

13 Evaluation of Simultaneous

Table 13.1: The sum of reported SAR values for main antenna and WiFi

	Position	Main antenna	WiFi	Sum
Highest reported SAR value for Head	Left hand, Touch cheek	0.47	0.29	**0.76**
	Right hand, Touch cheek	0.52	0.11	**0.63**
Highest reported SAR value for Body	Rear	0.88	0.59	**1.47**
	Bottom	1.31	/	**1.31**

Note1: we have evaluated and chose the highest value of both main antennae in the above table
Note2: 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 and BT

	Position	Main antenna	BT	Sum
Maximum reported SAR value for Head	Right hand, Touch cheek	0.52	0.33[1]	**0.85**
Maximum reported SAR value for Body	Rear	0.88	0.17[1]	**1.05**
	Bottom	1.31	/	**1.31**

[1] - Estimated SAR for Bluetooth (see the table 13.3)

Table 13.3: Estimated SAR for Bluetooth

Mode/Band	F (GHz)	Position	Distance (mm)	Upper limit of power *		Estimated$_{1g}$ (W/kg)
				dBm	mW	
Bluetooth	2.441	Head	5	9	7.94	0.33
Bluetooth	2.441	Body	10	9	7.94	0.17

* - Maximum possible output power declared by manufacturer

When standalone SAR test exclusion applies to an antenna that transmits simultaneously with other antennas, the standalone SAR must be estimated according to following to determine simultaneous transmission SAR test exclusion:
(max. power of channel, including tune-up tolerance, mW)/(min. test separation distance,mm)]·[√f(GHz)/x] W/kg for test separation distances ≤ 50 mm;
where x = 7.5 for 1-g SAR.
When the minimum test separation distance is < 5 mm, a distance of 5 mm is applied to determine SAR test exclusion

Conclusion:
According to the above tables, the sum of reported SAR values is<1.6W/kg. So the simultaneous transmission SAR with volume scans is not required.

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 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:

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

Where P_{Target} is the power of manufacturing upper limit;
$P_{Measured}$ is the measured power in chapter 11.
There are two primary antennae in the EUT. Both antennae support GSM850, WCDMA850 and LTE Band5/12/13. So these bands are tested with antenna1 and antenna2 respectively.

Table 14.1: Duty Cycle

Mode	Duty Cycle
Speech for GSM850	1:2.67
Speech for GSM1900	1:4
GPRS&EGPRS for GSM850	1:2.67
GPRS&EGPRS for GSM1900	1:8.3
WCDMA&LTE FDD	1:1
LTE TDD	1:1.58

14.1 The evaluation of multi-batteries

We'll perform the head measurement in all bands with the primary battery depending on the evaluation of multi-batteries and retest on highest value point with other batteries. Then, repeat the measurement in the Body test.

Table 14.1-1: The evaluation of multi-batteries for Head Test

Frequency		Mode/Band	Side	Test Position	Battery Type	SAR(1g)	Power Drift(dB)
MHz	Ch.					(W/kg)	
782	23230	LTE Band 13	Left	Touch	BAT-63108-003	0.210	0.15
782	23230	LTE Band 13	Left	Touch	TLp034E1	0.189	0.18

Note: According to the values in the above table, the battery, BAT-63108-003, is the primary battery. We'll perform the head measurement with this battery and retest on highest value point with others.

Table 14.1-2: The evaluation of multi-batteries for Body Test

Frequency		Mode/Band	Test Position	Spacing (mm)	Battery Type	SAR(1g)	Power Drift(dB)
MHz	Ch.					(W/kg)	
782	23230	LTE Band 13	Left	10	BAT-63108-003	0.372	0.02
782	23230	LTE Band 13	Left	10	TLp034E1	0.298	-0.02

Note: According to the values in the above table, the battery, BAT-63108-003, is the primary battery. We'll perform the body measurement with this battery and retest on highest value point with others.

14.2 SAR results for Fast SAR

Note:

B1: The battery of BAT-63108-003

B2: The battery of TLp034E1

H1: The headset of CCB0045A16C3

Table 14.2-1: SAR Values (GSM 850 MHz Band - Head) – antenna1

Ambient Temperature: 22.9℃ Liquid Temperature: 22.5℃											
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	Left	Touch	Fig.1	28.98	30	0.265	**0.34**	0.369	**0.47**	0.02
190	836.6	Left	Touch	/	28.99	30	0.200	**0.25**	0.288	**0.36**	0.03
128	824.2	Left	Touch	/	28.97	30	0.150	**0.19**	0.209	**0.26**	-0.01
190	836.6	Left	Tilt	/	28.99	30	0.128	**0.16**	0.179	**0.23**	-0.04
190	836.6	Right	Touch	/	28.99	30	0.169	**0.21**	0.239	**0.30**	0.02
190	836.6	Right	Tilt	/	28.99	30	0.114	**0.14**	0.155	**0.20**	-0.03
251	848.8	Left	Touch	B2	28.98	30	0.249	**0.31**	0.331	**0.42**	0.03

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

Table 14.2-2: SAR Values (GSM 850 MHz Band - Body) – antenna1

Ambient Temperature: 22.9℃ Liquid Temperature: 22.5℃											
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	/	28.99	30	0.222	**0.28**	0.281	**0.35**	0.03
190	836.6	GPRS (3)	Rear	/	28.99	30	0.219	**0.28**	0.276	**0.35**	0.01
251	848.8	GPRS (3)	Left	Fig.2	28.98	30	0.312	**0.39**	0.455	**0.58**	-0.01
190	836.6	GPRS (3)	Left	/	28.99	30	0.247	**0.31**	0.341	**0.43**	0.08
128	824.2	GPRS (3)	Left	/	28.97	30	0.182	**0.23**	0.255	**0.32**	0.13
190	836.6	GPRS (3)	Right	/	28.99	30	0.178	**0.22**	0.245	**0.31**	0.02
190	836.6	GPRS (3)	Bottom	/	28.99	30	0.143	**0.18**	0.249	**0.31**	0.06
251	848.8	EGPRS (3)	Left	/	29.00	30	0.292	**0.37**	0.418	**0.53**	-0.08
251	848.8	GPRS (3)	Left	B2	28.98	30	0.308	**0.39**	0.449	**0.57**	0.14

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

Table 14.2-3: SAR Values (GSM 850 MHz Band - Head) – antenna2

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										
190	836.6	Left	Touch	/	28.99	30	0.173	**0.22**	0.228	**0.29**	0.05
190	836.6	Left	Tilt	/	28.99	30	0.101	**0.13**	0.127	**0.16**	-0.01
251	848.8	Right	Touch	Fig.3	28.98	30	0.238	**0.30**	0.316	**0.40**	-0.04
190	836.6	Right	Touch	/	28.99	30	0.207	**0.26**	0.272	**0.34**	0.08
128	824.2	Right	Touch	/	28.97	30	0.152	**0.19**	0.210	**0.27**	0.04
190	836.6	Right	Tilt	/	28.99	30	0.132	**0.17**	0.167	**0.21**	-0.02
251	848.8	Right	Touch	B2	28.98	30	0.218	**0.28**	0.286	**0.36**	0.17

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

Table 14.2-4: SAR Values (GSM 850 MHz Band - Body) – antenna2

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										
190	836.6	GPRS (3)	Front	/	28.99	30	0.168	**0.21**	0.264	**0.33**	0.13
190	836.6	GPRS (3)	Rear	/	28.99	30	0.174	**0.22**	0.282	**0.36**	0.07
190	836.6	GPRS (3)	Left	/	28.99	30	0.124	**0.16**	0.178	**0.22**	0.06
251	848.8	GPRS (3)	Right	Fig.4	28.98	30	0.294	**0.37**	0.426	**0.54**	-0.13
190	836.6	GPRS (3)	Right	/	28.99	30	0.244	**0.31**	0.350	**0.44**	-0.06
128	824.2	GPRS (3)	Right	/	28.97	30	0.197	**0.25**	0.282	**0.36**	-0.01
190	836.6	GPRS (3)	Bottom	/	28.99	30	0.158	**0.20**	0.269	**0.34**	0.17
251	848.8	EGPRS (3)	Right	/	29.00	30	0.287	**0.36**	0.411	**0.52**	0.12
251	848.8	GPRS (3)	Right	B2	28.98	30	0.276	**0.35**	0.400	**0.51**	0.05

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

Table 14.2-5: SAR Values (GSM 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										
661	1880	Left	Touch	/	28.25	29	0.080	**0.10**	0.121	**0.14**	0.04
661	1880	Left	Tilt	/	28.25	29	0.060	**0.07**	0.090	**0.11**	-0.01
810	1909.8	Right	Touch	/	28.38	29	0.091	**0.10**	0.145	**0.17**	-0.06
661	1880	Right	Touch	/	28.25	29	0.106	**0.13**	0.165	**0.20**	0.04
512	1850.2	Right	Touch	Fig.5	28.02	29	0.123	**0.15**	0.193	**0.24**	0.18
661	1880	Right	Tilt	/	28.25	29	0.046	**0.05**	0.067	**0.08**	-0.09
512	1850.2	Right	Touch	B2	28.02	29	0.111	**0.14**	0.177	**0.22**	0.03

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

Table 14.2-6: 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 (1)	Front	/	29.09	30.5	0.273	**0.38**	0.509	**0.70**	0.06
661	1880	GPRS (1)	Rear	/	29.09	30.5	0.281	**0.39**	0.539	**0.75**	0.09
661	1880	GPRS (1)	Left	/	29.09	30.5	0.036	**0.05**	0.075	**0.10**	-0.06
661	1880	GPRS (1)	Right	/	29.09	30.5	0.076	**0.10**	0.123	**0.17**	0.11
810	1909.8	GPRS (1)	Bottom	/	29.14	30.5	0.458	**0.63**	0.859	**1.18**	0.17
661	1880	GPRS (1)	Bottom	Fig.6	29.09	30.5	0.466	**0.64**	0.875	**1.21**	0.19
512	1850.2	GPRS (1)	Bottom	/	28.86	30.5	0.377	**0.55**	0.760	**1.11**	-0.11
661	1880	EGPRS (1)	Bottom	/	29.38	30.5	0.439	**0.57**	0.852	**1.10**	0.12
661	1880	GPRS (1)	Bottom	B2	29.09	30.5	0.434	**0.60**	0.843	**1.17**	0.04
661	1880	Speech	Bottom	H1	29.44	30.5	0.449	**0.57**	0.851	**1.09**	0.09

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

Table 14.2-7: SAR Values (WCDMA 850 MHz Band - Head) – antenna1

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										
4233	846.6	Left	Touch	/	23.50	24	0.171	**0.19**	0.247	**0.28**	-0.12
4182	836.4	Left	Touch	/	23.23	24	0.190	**0.23**	0.275	**0.33**	0.08
4132	826.4	Left	Touch	Fig.7	23.35	24	0.240	**0.28**	0.321	**0.37**	-0.03
4182	836.4	Left	Tilt	/	23.23	24	0.129	**0.15**	0.181	**0.22**	0.06
4182	836.4	Right	Touch	/	23.23	24	0.154	**0.18**	0.227	**0.27**	-0.18
4182	836.4	Right	Tilt	/	23.23	24	0.112	**0.13**	0.158	**0.19**	0.02
4132	826.4	Left	Touch	B2	23.35	24	0.142	**0.16**	0.206	**0.24**	0.08

Table 14.2-8: SAR Values (WCDMA 850 MHz Band - Body) – antenna1

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									
4182	836.4	Front	/	23.23	24	0.184	**0.22**	0.252	**0.30**	0.09
4182	836.4	Rear	/	23.23	24	0.145	**0.17**	0.243	**0.29**	0.11
4233	846.6	Left	Fig.8	23.50	24	0.267	**0.30**	0.394	**0.44**	0.05
4182	836.4	Left	/	23.23	24	0.229	**0.27**	0.355	**0.42**	0.04
4132	826.4	Left	/	23.35	24	0.176	**0.20**	0.272	**0.32**	0.02
4182	836.4	Right	/	23.23	24	0.140	**0.17**	0.216	**0.26**	0.16
4182	836.4	Bottom	/	23.23	24	0.112	**0.13**	0.215	**0.26**	0.03
4233	846.6	Left	B2	23.50	24	0.265	**0.30**	0.386	**0.43**	0.19

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

Table 14.2-9: SAR Values (WCDMA 850 MHz Band - Head) – antenna2

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										
4182	836.4	Left	Touch	/	23.23	24	0.179	**0.21**	0.249	**0.30**	-0.08
4182	836.4	Left	Tilt	/	23.23	24	0.122	**0.15**	0.164	**0.20**	0.03
4233	846.6	Right	Touch	/	23.50	24	0.207	**0.23**	0.282	**0.32**	-0.01
4182	836.4	Right	Touch	Fig.9	23.23	24	0.218	**0.26**	0.301	**0.36**	-0.01
4132	826.4	Right	Touch	/	23.35	24	0.185	**0.21**	0.260	**0.30**	-0.06
4182	836.4	Right	Tilt	/	23.23	24	0.141	**0.17**	0.184	**0.22**	0.06
4182	836.4	Right	Touch	B2	23.23	24	0.148	**0.18**	0.193	**0.23**	0.02

Table 14.2-10: SAR Values (WCDMA 850 MHz Band - Body) – antenna2

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									
4182	836.4	Front	/	23.23	24	0.169	**0.20**	0.211	**0.25**	0.09
4182	836.4	Rear	/	23.23	24	0.151	**0.18**	0.233	**0.28**	-0.01
4182	836.4	Left	/	23.23	24	0.086	**0.10**	0.121	**0.15**	0.06
4233	846.6	Right	Fig.10	23.50	24	0.206	**0.23**	0.300	**0.34**	-0.02
4182	836.4	Right	/	23.23	24	0.177	**0.21**	0.252	**0.30**	0.16
4132	826.4	Right	/	23.35	24	0.161	**0.19**	0.231	**0.27**	0.17
4182	836.4	Bottom	/	23.23	24	0.122	**0.15**	0.202	**0.24**	0.05
4233	846.6	Right	B2	23.50	24	0.190	**0.21**	0.266	**0.30**	0.07

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

Table 14.2-11: 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										
1637	1732.4	Left	Touch	/	23.22	24	0.173	**0.21**	0.262	**0.31**	-0.04
1637	1732.4	Left	Tilt	/	23.22	24	0.100	**0.12**	0.152	**0.18**	0.07
1738	1752.6	Right	Touch	/	23.14	24	0.257	**0.31**	0.411	**0.50**	0.01
1637	1732.4	Right	Touch	/	23.22	24	0.271	**0.32**	0.419	**0.50**	-0.04
1537	1712.4	Right	Touch	Fig.11	23.22	24	0.276	**0.33**	0.431	**0.52**	-0.02
1637	1732.4	Right	Tilt	/	23.22	24	0.089	**0.11**	0.131	**0.16**	-0.02
1537	1712.4	Right	Touch	B2	23.22	24	0.255	**0.31**	0.389	**0.47**	-0.02

Table 14.2-12: 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									
1738	1752.6	Front	/	20.91	21	0.411	**0.42**	0.819	**0.84**	0.04
1637	1732.4	Front	/	21.00	21	0.412	**0.41**	0.820	**0.82**	0.02
1537	1712.4	Front	/	20.95	21	0.380	**0.38**	0.754	**0.76**	-0.05
1738	1752.6	Rear	/	20.91	21	0.429	**0.44**	0.855	**0.87**	-0.19
1637	1732.4	Rear	/	21.00	21	0.444	**0.44**	0.881	**0.88**	0.07
1537	1712.4	Rear	/	20.95	21	0.404	**0.41**	0.807	**0.82**	0.03
1637	1732.4	Left	/	21.00	21	0.035	**0.04**	0.062	**0.06**	0.06
1637	1732.4	Right	/	21.00	21	0.174	**0.17**	0.320	**0.32**	0.16
1738	1752.6	Bottom	Fig.12	20.91	21	0.536	**0.55**	1.05	**1.07**	0.01
1637	1732.4	Bottom	/	21.00	21	0.468	**0.47**	0.942	**0.94**	0.01
1537	1712.4	Bottom	/	20.95	21	0.410	**0.41**	0.818	**0.83**	-0.02
1738	1752.6	Bottom	B2	20.91	21	0.332	**0.34**	0.652	**0.67**	-0.06

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

Table 14.2-13: 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										
9800	1880	Left	Touch	/	23.72	24	0.103	**0.11**	0.144	**0.15**	0.03
9800	1880	Left	Tilt	/	23.72	24	0.070	**0.07**	0.100	**0.11**	-0.04
9938	1907.6	Right	Touch	/	23.93	24	0.131	**0.13**	0.188	**0.19**	0.01
9800	1880	Right	Touch	/	23.72	24	0.129	**0.14**	0.211	**0.23**	0.06
9662	1852.4	Right	Touch	Fig.13	23.76	24	0.183	**0.19**	0.269	**0.28**	0.05
9800	1880	Right	Tilt	/	23.72	24	0.070	**0.07**	0.102	**0.11**	0.03
9662	1852.4	Right	Touch	B2	23.76	24	0.101	**0.11**	0.187	**0.20**	0.09

Table 14.2-14: 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	/	19.42	20	0.349	**0.40**	0.669	**0.76**	-0.04
9938	1907.6	Rear	/	19.61	20	0.405	**0.44**	0.766	**0.84**	0.05
9800	1880	Rear	/	19.42	20	0.397	**0.45**	0.751	**0.86**	0.01
9662	1852.4	Rear	/	19.59	20	0.389	**0.43**	0.742	**0.82**	-0.04
9800	1880	Left	/	19.42	20	0.027	**0.03**	0.040	**0.05**	-0.05
9800	1880	Right	/	19.42	20	0.085	**0.10**	0.147	**0.17**	0.09
9938	1907.6	Bottom	Fig.14	19.61	20	0.598	**0.65**	1.16	**1.27**	-0.02
9800	1880	Bottom	/	19.42	20	0.573	**0.65**	1.11	**1.27**	-0.11
9662	1852.4	Bottom	/	19.59	20	0.591	**0.65**	1.13	**1.24**	-0.02
9938	1907.6	Bottom	B2	19.61	20	0.372	**0.41**	0.705	**0.77**	-0.05
9938	1907.6	Bottom	H1	19.61	20	0.583	**0.64**	1.07	**1.17**	0.12

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

Table 14.2-15: 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											
19100	1900	1RB_Low	Left	Touch	/	24.12	25	0.064	**0.08**	0.096	**0.12**	0.03
19100	1900	1RB_Low	Left	Tilt	/	24.12	25	0.042	**0.05**	0.070	**0.09**	0.01
19100	1900	1RB_Low	Right	Touch	Fig.15	24.12	25	0.123	**0.15**	0.178	**0.22**	0.14
19100	1900	1RB_Low	Right	Tilt	/	24.12	25	0.049	**0.06**	0.080	**0.10**	0.08
19100	1900	50RB_Mid	Left	Touch	/	23.10	24	0.063	**0.08**	0.097	**0.12**	0.07
19100	1900	50RB_Mid	Left	Tilt	/	23.10	24	0.047	**0.06**	0.077	**0.09**	0.04
19100	1900	50RB_Mid	Right	Touch	/	23.10	24	0.088	**0.11**	0.145	**0.18**	0.19
19100	1900	50RB_Mid	Right	Tilt	/	23.10	24	0.053	**0.06**	0.084	**0.10**	0.01
19100	1900	1RB_Low	Right	Touch	B2	24.12	25	0.092	**0.11**	0.133	**0.16**	0.07

Note1: 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											
19100	1900	1RB_Low	Front	/	20.42	21	0.292	**0.33**	0.558	**0.64**	0.06	
19100	1900	1RB_Low	Rear	/	20.42	21	0.367	**0.42**	0.679	**0.78**	-0.02	
19100	1900	1RB_Low	Left	/	20.42	21	0.025	**0.03**	0.037	**0.04**	0.14	
19100	1900	1RB_Low	Right	/	20.42	21	0.078	**0.09**	0.135	**0.15**	0.09	
19100	1900	1RB_Low	Bottom	Fig.16	20.42	21	0.590	**0.67**	1.15	**1.31**	0.04	
18900	1880	1RB_Low	Bottom	/	20.39	21	0.580	**0.67**	1.12	**1.29**	0.05	
18700	1860	1RB_Low	Bottom	/	20.31	21	0.566	**0.66**	1.08	**1.26**	-0.02	
19100	1900	50RB_Mid	Front	/	20.38	21	0.303	**0.35**	0.581	**0.67**	-0.08	
19100	1900	50RB_Mid	Rear	/	20.38	21	0.357	**0.41**	0.663	**0.76**	0.11	
19100	1900	50RB_Mid	Left	/	20.38	21	0.027	**0.03**	0.039	**0.04**	0.17	
19100	1900	50RB_Mid	Right	/	20.38	21	0.082	**0.09**	0.142	**0.16**	0.03	
19100	1900	50RB_Mid	Bottom	/	20.38	21	0.583	**0.67**	1.12	**1.29**	0.01	
18900	1880	50RB_Mid	Bottom	/	20.36	21	0.575	**0.67**	1.11	**1.29**	0.09	
18700	1860	50RB_Mid	Bottom	/	20.34	21	0.565	**0.66**	1.10	**1.28**	0.12	
19100	1900	100RB	Bottom	/	20.43	21	0.339	**0.39**	0.650	**0.74**	0.14	
19100	1900	1RB_Low	Bottom	B2	20.42	21	0.425	**0.49**	0.805	**0.92**	-0.06	
19100	1900	1RB_Low	Bottom	H1	20.42	21	0.579	**0.66**	1.12	**1.28**	0.04	

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

Note2: The LTE mode is QPSK_20MHz.

Table 14.2-17: 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											
20300	1745	1RB_Low	Left	Touch	/	23.62	24	0.152	**0.17**	0.226	**0.25**	-0.01
20300	1745	1RB_Low	Left	Tilt	/	23.62	24	0.082	**0.09**	0.122	**0.13**	0.04
20300	1745	1RB_Low	Right	Touch	Fig.17	23.62	24	0.212	**0.23**	0.320	**0.35**	0.04
20300	1745	1RB_Low	Right	Tilt	/	23.62	24	0.079	**0.09**	0.114	**0.12**	-0.06
20300	1745	50RB_High	Left	Touch	/	22.61	23	0.123	**0.13**	0.177	**0.19**	0.01
20300	1745	50RB_High	Left	Tilt	/	22.61	23	0.069	**0.08**	0.102	**0.11**	-0.03
20300	1745	50RB_High	Right	Touch	/	22.61	23	0.204	**0.22**	0.312	**0.34**	-0.02
20300	1745	50RB_High	Right	Tilt	/	22.61	23	0.070	**0.08**	0.098	**0.11**	0.02
20300	1745	1RB_Low	Right	Touch	B2	23.62	24	0.137	**0.15**	0.210	**0.23**	-0.09

Note1: The LTE mode is QPSK_20MHz.

Table 14.2-18: 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_Low	Front	/	21.58	22	0.357	**0.39**	0.667	**0.73**	0.07
20050	1720	1RB_Low	Rear	/	21.58	22	0.396	**0.44**	0.714	**0.79**	0.12
20050	1720	1RB_Low	Left	/	21.58	22	0.027	**0.03**	0.044	**0.05**	-0.05
20050	1720	1RB_Low	Right	/	21.58	22	0.167	**0.18**	0.275	**0.30**	0.11
20300	1745	1RB_Low	Bottom	/	21.55	22	0.493	**0.55**	0.968	**1.07**	-0.14
20175	1732.5	1RB_Low	Bottom	/	21.46	22	0.505	**0.57**	0.994	**1.13**	0.04
20050	1720	1RB_Low	Bottom	/	21.58	22	0.509	**0.56**	0.959	**1.06**	0.03
20300	1745	50RB_Mid	Front	/	21.52	22	0.378	**0.42**	0.711	**0.79**	-0.06
20300	1745	50RB_Mid	Rear	/	21.52	22	0.411	**0.46**	0.743	**0.83**	0.08
20175	1732.5	50RB_Mid	Rear	/	21.37	22	0.419	**0.48**	0.744	**0.86**	0.09
20050	1720	50RB_Low	Rear	/	21.38	22	0.417	**0.48**	0.741	**0.85**	-0.02
20300	1745	50RB_Mid	Left	/	21.52	22	0.037	**0.04**	0.060	**0.07**	-0.13
20300	1745	50RB_Mid	Right	/	21.52	22	0.165	**0.18**	0.275	**0.31**	0.16
20300	1745	50RB_Mid	Bottom	/	21.52	22	0.512	**0.57**	0.977	**1.09**	0.14
20175	1732.5	50RB_Mid	Bottom	/	21.37	22	0.490	**0.57**	0.959	**1.11**	-0.07
20050	1720	50RB_Low	Bottom	/	21.38	22	0.511	**0.59**	0.974	**1.12**	0.07
20300	1745	100RB	Rear	/	21.57	22	0.445	**0.49**	0.790	**0.87**	-0.11
20300	1745	100RB	Bottom	Fig.18	21.57	22	0.524	**0.58**	1.03	**1.14**	0.08
20300	1745	100RB	Bottom	B2	21.57	22	0.421	**0.46**	0.832	**0.92**	-0.13

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 Band5 - Head) – antenna1

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											
20450	829	1RB_High	Left	Touch	/	23.70	24	0.105	**0.11**	0.151	**0.16**	-0.09
20450	829	1RB_High	Left	Tilt	/	23.70	24	0.065	**0.07**	0.092	**0.10**	0.02
20450	829	1RB_High	Right	Touch	/	23.70	24	0.083	**0.09**	0.124	**0.13**	-0.10
20450	829	1RB_High	Right	Tilt	/	23.70	24	0.061	**0.07**	0.086	**0.09**	-0.09
20600	844	25RB_High	Left	Touch	Fig.19	22.62	23	0.167	**0.18**	0.224	**0.24**	0.16
20600	844	25RB_High	Left	Tilt	/	22.62	23	0.097	**0.11**	0.137	**0.15**	0.11
20600	844	25RB_High	Right	Touch	/	22.62	23	0.115	**0.13**	0.172	**0.19**	0.07
20600	844	25RB_High	Right	Tilt	/	22.62	23	0.097	**0.11**	0.138	**0.15**	0.12
20600	844	25RB_High	Left	Touch	B2	22.62	23	0.127	**0.14**	0.167	**0.18**	0.03

Note1: The LTE mode is QPSK_10MHz.

Table 14.2-20: SAR Values (LTE Band5 - Body) – antenna1

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											
20450	829	1RB_High	Front	/	23.70	24	0.119	**0.13**	0.164	**0.18**	0.04	
20450	829	1RB_High	Rear	/	23.70	24	0.118	**0.13**	0.162	**0.17**	0.02	
20450	829	1RB_High	Left	/	23.70	24	0.146	**0.16**	0.210	**0.23**	0.04	
20450	829	1RB_High	Right	/	23.70	24	0.079	**0.08**	0.123	**0.13**	0.08	
20450	829	1RB_High	Bottom	/	23.70	24	0.064	**0.07**	0.120	**0.13**	-0.08	
20600	844	25RB_High	Front	/	22.62	23	0.132	**0.14**	0.182	**0.20**	0.03	
20600	844	25RB_High	Rear	/	22.62	23	0.139	**0.15**	0.192	**0.21**	0.12	
20600	844	25RB_High	Left	Fig.20	22.62	23	0.187	**0.20**	0.276	**0.30**	0.02	
20600	844	25RB_High	Right	/	22.62	23	0.108	**0.12**	0.169	**0.18**	0.01	
20600	844	25RB_High	Bottom	/	22.62	23	0.086	**0.09**	0.158	**0.17**	0.06	
20600	844	25RB_High	Left	B2	22.62	23	0.145	**0.16**	0.210	**0.23**	-0.06	

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

Note2: The LTE mode is QPSK_10MHz.

Table 14.2-21: SAR Values (LTE Band5 - Head) – antenna2

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											
20450	829	1RB_High	Left	Touch	Fig.21	23.70	24	0.159	**0.17**	0.209	**0.22**	0.05
20450	829	1RB_High	Left	Tilt	/	23.70	24	0.089	**0.10**	0.111	**0.12**	-0.01
20450	829	1RB_High	Right	Touch	/	23.70	24	0.107	**0.11**	0.139	**0.15**	0.02
20450	829	1RB_High	Right	Tilt	/	23.70	24	0.046	**0.05**	0.057	**0.06**	0.05
20600	844	25RB_High	Left	Touch	/	22.62	23	0.090	**0.10**	0.117	**0.13**	-0.08
20600	844	25RB_High	Left	Tilt	/	22.62	23	0.074	**0.08**	0.096	**0.10**	-0.02
20600	844	25RB_High	Right	Touch	/	22.62	23	0.089	**0.10**	0.116	**0.13**	-0.01
20600	844	25RB_High	Right	Tilt	/	22.62	23	0.035	**0.04**	0.044	**0.05**	0.06
20450	829	1RB_High	Left	Touch	B2	23.70	24	0.147	**0.16**	0.186	**0.20**	-0.04

Note1: The LTE mode is QPSK_10MHz.

Table 14.2-22: SAR Values (LTE Band5 - Body) – antenna2

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											
20450	829	1RB_High	Front	/	23.70	24	0.115	**0.12**	0.172	**0.18**	0.08	
20450	829	1RB_High	Rear	/	23.70	24	0.113	**0.12**	0.165	**0.18**	0.16	
20450	829	1RB_High	Left	/	23.70	24	0.067	**0.07**	0.090	**0.10**	0.04	
20450	829	1RB_High	Right	/	23.70	24	0.151	**0.16**	0.210	**0.23**	-0.04	
20450	829	1RB_High	Bottom	Fig.22	23.70	24	0.177	**0.19**	0.297	**0.32**	0.04	
20600	844	25RB_High	Front	/	22.62	23	0.103	**0.11**	0.158	**0.17**	0.11	
20600	844	25RB_High	Rear	/	22.62	23	0.097	**0.11**	0.149	**0.16**	0.14	
20600	844	25RB_High	Left	/	22.62	23	0.050	**0.05**	0.069	**0.08**	0.02	
20600	844	25RB_High	Right	/	22.62	23	0.105	**0.11**	0.148	**0.16**	0.04	
20600	844	25RB_High	Bottom	/	22.62	23	0.153	**0.17**	0.249	**0.27**	0.11	
20450	829	1RB_High	Bottom	B2	23.70	24	0.163	**0.17**	0.269	**0.29**	0.14	

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

Note2: The LTE mode is QPSK_10MHz.

Table 14.2-23: 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											
21100	2535	1RB_Low	Left	Touch	/	23.03	24	0.039	**0.05**	0.073	**0.09**	0.12
21100	2535	1RB_Low	Left	Tilt	/	23.03	24	0.025	**0.03**	0.042	**0.05**	0.06
21100	2535	1RB_Low	Right	Touch	Fig.23	23.03	24	0.078	**0.10**	0.146	**0.18**	0.12
21100	2535	1RB_Low	Right	Tilt	/	23.03	24	0.023	**0.03**	0.040	**0.05**	0.02
20850	2510	50RB_ Mid	Left	Touch	/	21.89	23	0.031	**0.04**	0.058	**0.07**	0.11
20850	2510	50RB_ Mid	Left	Tilt	/	21.89	23	0.020	**0.03**	0.034	**0.04**	0.09
20850	2510	50RB_ Mid	Right	Touch	/	21.89	23	0.054	**0.07**	0.105	**0.14**	0.06
20850	2510	50RB_ Mid	Right	Tilt	/	21.89	23	0.015	**0.02**	0.025	**0.03**	0.02
21100	2535	1RB_Low	Right	Touch	B2	23.03	24	0.070	**0.09**	0.137	**0.17**	0.04

Note1: The LTE mode is QPSK_20MHz.

Table 14.2-24: 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										
21100	2535	1RB_Low	Front	/	19.85	20	0.267	**0.28**	0.550	**0.57**	0.10
21100	2535	1RB_Low	Rear	/	19.85	20	0.218	**0.23**	0.475	**0.49**	0.08
21100	2535	1RB_Low	Left	/	19.85	20	0.058	**0.06**	0.108	**0.11**	0.13
21100	2535	1RB_Low	Right	/	19.85	20	0.035	**0.04**	0.063	**0.06**	0.06
21350	2560	1RB_High	Bottom	/	19.61	20	0.417	**0.46**	0.908	**0.99**	-0.04
21100	2535	1RB_Low	Bottom	Fig.18	19.85	20	0.502	**0.52**	1.08	**1.12**	-0.07
20850	2510	1RB_High	Bottom	/	19.84	20	0.492	**0.51**	1.06	**1.10**	0.01
20850	2510	50RB_ High	Front	/	19.79	20	0.248	**0.26**	0.512	**0.54**	0.16
20850	2510	50RB_ High	Rear	/	19.79	20	0.222	**0.23**	0.477	**0.50**	0.02
20850	2510	50RB_ High	Left	/	19.79	20	0.057	**0.06**	0.107	**0.11**	0.08
20850	2510	50RB_ High	Right	/	19.79	20	0.034	**0.04**	0.058	**0.06**	0.11
21350	2560	50RB_ High	Bottom	/	19.42	20	0.427	**0.49**	0.934	**1.07**	-0.02
21100	2535	50RB_ High	Bottom	/	19.76	20	0.485	**0.51**	1.04	**1.10**	-0.06
20850	2510	50RB_ High	Bottom	/	19.79	20	0.492	**0.52**	1.05	**1.10**	0.09
20850	2510	100RB	Bottom	/	19.76	20	0.492	**0.52**	1.05	**1.10**	-0.01
21100	2535	1RB_Low	Bottom	B2	19.85	20	0.407	**0.42**	0.868	**0.90**	-0.07

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

Note2: The LTE mode is QPSK_20MHz.

Table 14.2-25: SAR Values (LTE Band17 - Head) – antenna1

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											
23790	710	1RB_Mid	Left	Touch	Fig.25	23.63	24	0.125	**0.14**	0.158	**0.17**	0.06
23790	710	1RB_Mid	Left	Tilt	/	23.63	24	0.083	**0.09**	0.105	**0.11**	0.01
23790	710	1RB_Mid	Right	Touch	/	23.63	24	0.093	**0.10**	0.117	**0.13**	-0.07
23790	710	1RB_Mid	Right	Tilt	/	23.63	24	0.065	**0.07**	0.083	**0.09**	0.05
23780	709	25RB_Mid	Left	Touch	/	22.69	23	0.099	**0.11**	0.125	**0.13**	0.01
23780	709	25RB_Mid	Left	Tilt	/	22.69	23	0.067	**0.07**	0.082	**0.09**	0.02
23780	709	25RB_Mid	Right	Touch	/	22.69	23	0.074	**0.08**	0.094	**0.10**	-0.01
23780	709	25RB_Mid	Right	Tilt	/	22.69	23	0.058	**0.06**	0.073	**0.08**	-0.07
23790	710	1RB_Mid	Left	Touch	B2	23.63	24	0.099	**0.11**	0.125	**0.14**	0.08

Note1: The LTE mode is QPSK_10MHz.

Table 14.2-26: SAR Values (LTE Band17 - Body) – antenna1

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										
23790	710	1RB_Mid	Front	/	23.63	24	0.096	**0.10**	0.120	**0.13**	0.03
23790	710	1RB_Mid	Rear	/	23.63	24	0.090	**0.10**	0.126	**0.14**	0.09
23790	710	1RB_Mid	Left	Fig.26	23.63	24	0.130	**0.14**	0.183	**0.20**	0.13
23790	710	1RB_Mid	Right	/	23.63	24	0.087	**0.09**	0.122	**0.13**	-0.08
23790	710	1RB_Mid	Bottom	/	23.63	24	0.057	**0.06**	0.103	**0.11**	0.03
23780	709	25RB_Mid	Front	/	22.69	23	0.074	**0.08**	0.092	**0.10**	0.01
23780	709	25RB_Mid	Rear	/	22.69	23	0.072	**0.08**	0.101	**0.11**	0.19
23780	709	25RB_Mid	Left	/	22.69	23	0.105	**0.11**	0.147	**0.16**	0.03
23780	709	25RB_Mid	Right	/	22.69	23	0.072	**0.08**	0.100	**0.11**	0.02
23780	709	25RB_Mid	Bottom	/	22.69	23	0.046	**0.05**	0.085	**0.09**	0.07
23790	710	1RB_Mid	Left	B2	23.63	24	0.116	**0.13**	0.163	**0.18**	-0.09

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

Note2: The LTE mode is QPSK_10MHz.

Table 14.2-27: SAR Values (LTE Band17 - Head) – antenna2

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											
23790	710	1RB_Mid	Left	Touch	/	23.63	24	0.086	**0.09**	0.122	**0.13**	-0.05
23790	710	1RB_Mid	Left	Tilt	/	23.63	24	0.066	**0.07**	0.095	**0.10**	0.04
23790	710	1RB_Mid	Right	Touch	Fig.27	23.63	24	0.121	**0.13**	0.154	**0.17**	0.03
23790	710	1RB_Mid	Right	Tilt	/	23.63	24	0.057	**0.06**	0.082	**0.09**	0.14
23780	709	25RB_Mid	Left	Touch	/	22.69	23	0.065	**0.07**	0.092	**0.10**	0.06
23780	709	25RB_Mid	Left	Tilt	/	22.69	23	0.048	**0.05**	0.069	**0.07**	-0.05
23780	709	25RB_Mid	Right	Touch	/	22.69	23	0.076	**0.08**	0.108	**0.12**	0.03
23780	709	25RB_Mid	Right	Tilt	/	22.69	23	0.042	**0.05**	0.060	**0.06**	0.06
23790	710	1RB_Mid	Right	Touch	B2	23.63	24	0.091	**0.10**	0.115	**0.13**	0.05

Note1: The LTE mode is QPSK_10MHz.

Table 14.2-28: SAR Values (LTE Band17 - Body) – antenna2

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										
23790	710	1RB_Mid	Front	/	23.63	24	0.115	**0.13**	0.146	**0.16**	0.03
23790	710	1RB_Mid	Rear	/	23.63	24	0.114	**0.12**	0.141	**0.15**	0.01
23790	710	1RB_Mid	Left	/	23.63	24	0.070	**0.08**	0.097	**0.11**	0.04
23790	710	1RB_Mid	Right	Fig.28	23.63	24	0.174	**0.19**	0.245	**0.27**	0.15
23790	710	1RB_Mid	Bottom	/	23.63	24	0.062	**0.07**	0.102	**0.11**	0.07
23780	709	25RB_Mid	Front	/	22.69	23	0.088	**0.09**	0.112	**0.12**	-0.08
23780	709	25RB_Mid	Rear	/	22.69	23	0.092	**0.10**	0.113	**0.12**	0.02
23780	709	25RB_Mid	Left	/	22.69	23	0.057	**0.06**	0.079	**0.08**	0.07
23780	709	25RB_Mid	Right	/	22.69	23	0.137	**0.15**	0.194	**0.21**	0.12
23780	709	25RB_Mid	Bottom	/	22.69	23	0.049	**0.05**	0.082	**0.09**	0.09
23790	710	1RB_Mid	Right	B2	23.63	24	0.156	**0.17**	0.219	**0.24**	-0.03

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

Note2: The LTE mode is QPSK_10MHz.

Table 14.2-29: SAR Values (LTE Band13 - Head) – antenna1

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_Mid	Left	Touch	Fig.29	23.40	24	0.161	**0.18**	0.210	**0.24**	0.15
23230	782	1RB_Mid	Left	Tilt	/	23.40	24	0.105	**0.12**	0.134	**0.15**	-0.04
23230	782	1RB_Mid	Right	Touch	/	23.40	24	0.113	**0.13**	0.151	**0.17**	0.05
23230	782	1RB_Mid	Right	Tilt	/	23.40	24	0.095	**0.11**	0.124	**0.14**	0.01
23230	782	25RB_Mid	Left	Touch	/	22.41	23	0.112	**0.13**	0.147	**0.17**	0.11
23230	782	25RB_Mid	Left	Tilt	/	22.41	23	0.086	**0.10**	0.108	**0.12**	0.06
23230	782	25RB_Mid	Right	Touch	/	22.41	23	0.095	**0.11**	0.127	**0.15**	-0.14
23230	782	25RB_Mid	Right	Tilt	/	22.41	23	0.085	**0.10**	0.107	**0.12**	-0.13
23230	782	1RB_Mid	Left	Touch	B2	23.40	24	0.143	**0.16**	0.189	**0.22**	0.18

Note1: The LTE mode is QPSK_10MHz.

Table 14.2-30: SAR Values (LTE Band13 - Body) – antenna1

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_Mid	Front	/	23.40	24	0.192	**0.22**	0.243	**0.28**	0.04
23230	782	1RB_Mid	Rear	/	23.40	24	0.192	**0.22**	0.246	**0.28**	0.01
23230	782	1RB_Mid	Left	Fig.30	23.40	24	0.259	**0.30**	0.372	**0.43**	0.02
23230	782	1RB_Mid	Right	/	23.40	24	0.128	**0.15**	0.181	**0.21**	0.06
23230	782	1RB_Mid	Bottom	/	23.40	24	0.093	**0.11**	0.167	**0.19**	-0.09
23230	782	25RB_Mid	Front	/	22.41	23	0.177	**0.20**	0.226	**0.26**	0.14
23230	782	25RB_Mid	Rear	/	22.41	23	0.169	**0.19**	0.212	**0.24**	0.19
23230	782	25RB_Mid	Left	/	22.41	23	0.186	**0.21**	0.263	**0.30**	0.08
23230	782	25RB_Mid	Right	/	22.41	23	0.106	**0.12**	0.150	**0.17**	0.04
23230	782	25RB_Mid	Bottom	/	22.41	23	0.078	**0.09**	0.138	**0.16**	0.02
23230	782	1RB_Mid	Left	B2	23.40	24	0.209	**0.24**	0.298	**0.34**	-0.02

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

Note2: The LTE mode is QPSK_10MHz.

Table 14.2-31: SAR Values (LTE Band13 - Head) – antenna2

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_Mid	Left	Touch	Fig.31	23.40	24	0.154	**0.18**	0.204	**0.23**	-0.09
23230	782	1RB_Mid	Left	Tilt	/	23.40	24	0.119	**0.14**	0.150	**0.17**	0.02
23230	782	1RB_Mid	Right	Touch	/	23.40	24	0.150	**0.17**	0.195	**0.22**	0.03
23230	782	1RB_Mid	Right	Tilt	/	23.40	24	0.086	**0.10**	0.109	**0.13**	0.07
23230	782	25RB_Mid	Left	Touch	/	22.41	23	0.123	**0.14**	0.161	**0.18**	0.08
23230	782	25RB_Mid	Left	Tilt	/	22.41	23	0.074	**0.08**	0.093	**0.11**	0.09
23230	782	25RB_Mid	Right	Touch	/	22.41	23	0.090	**0.10**	0.120	**0.14**	0.09
23230	782	25RB_Mid	Right	Tilt	/	22.41	23	0.071	**0.08**	0.091	**0.10**	0.05
23230	782	1RB_Mid	Left	Touch	B2	23.40	24	0.153	**0.18**	0.198	**0.23**	0.06

Note1: The LTE mode is QPSK_10MHz.

Table 14.2-32: SAR Values (LTE Band13 - Body) – antenna2

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_Mid	Front	/	23.40	24	0.126	**0.15**	0.142	**0.16**	0.06
23230	782	1RB_Mid	Rear	/	23.40	24	0.121	**0.14**	0.136	**0.16**	0.10
23230	782	1RB_Mid	Left	/	23.40	24	0.088	**0.10**	0.112	**0.13**	-0.19
23230	782	1RB_Mid	Right	Fig.32	23.40	24	0.198	**0.23**	0.250	**0.29**	0.15
23230	782	1RB_Mid	Bottom	/	23.40	24	0.091	**0.10**	0.135	**0.16**	0.01
23230	782	25RB_Mid	Front	/	22.41	23	0.105	**0.12**	0.118	**0.14**	0.05
23230	782	25RB_Mid	Rear	/	22.41	23	0.101	**0.12**	0.115	**0.13**	-0.14
23230	782	25RB_Mid	Left	/	22.41	23	0.067	**0.08**	0.086	**0.10**	0.01
23230	782	25RB_Mid	Right	/	22.41	23	0.131	**0.15**	0.167	**0.19**	0.19
23230	782	25RB_Mid	Bottom	/	22.41	23	0.072	**0.08**	0.110	**0.13**	0.10
23230	782	1RB_Mid	Right	B2	23.40	24	0.158	**0.18**	0.199	**0.23**	0.06

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

Note2: The LTE mode is QPSK_10MHz.

Table 14.2-33: SAR Values (LTE Band38 - 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											
38000	2595	1RB_Mid	Left	Touch	/	23.41	24	0.042	**0.05**	0.075	**0.09**	0.11
38000	2595	1RB_Mid	Left	Tilt	/	23.41	24	0.016	**0.02**	0.027	**0.03**	-0.07
38000	2595	1RB_Mid	Right	Touch	Fig.33	23.41	24	0.052	**0.06**	0.102	**0.12**	-0.03
38000	2595	1RB_Mid	Right	Tilt	/	23.41	24	0.017	**0.02**	0.033	**0.04**	0.07
38150	2610	50RB_Mid	Left	Touch	/	22.59	23	0.023	**0.03**	0.046	**0.05**	0.12
38150	2610	50RB_Mid	Left	Tilt	/	22.59	23	0.013	**0.01**	0.024	**0.03**	0.19
38150	2610	50RB_Mid	Right	Touch	/	22.59	23	0.037	**0.04**	0.074	**0.08**	0.09
38150	2610	50RB_Mid	Right	Tilt	/	22.59	23	0.012	**0.01**	0.021	**0.02**	0.09
38000	2595	1RB_Mid	Right	Touch	B2	23.41	24	0.046	**0.05**	0.088	**0.10**	-0.07

Note1: The LTE mode is QPSK_20MHz.

Table 14.2-34: SAR Values (LTE Band38 - 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										
38000	2595	1RB_Mid	Front	/	23.41	24	0.311	**0.36**	0.644	**0.74**	-0.03
38000	2595	1RB_Mid	Rear	/	23.41	24	0.210	**0.24**	0.437	**0.50**	0.07
38000	2595	1RB_Mid	Left	/	23.41	24	0.057	**0.07**	0.100	**0.11**	0.12
38000	2595	1RB_Mid	Right	/	23.41	24	0.031	**0.04**	0.056	**0.06**	0.04
38150	2610	1RB_Low	Bottom	/	23.37	24	0.485	**0.56**	1.05	**1.21**	-0.03
38000	2595	1RB_Mid	Bottom	Fig.34	23.41	24	0.503	**0.58**	1.07	**1.23**	-0.12
37150	2580	1RB_Mid	Bottom	/	23.38	24	0.458	**0.53**	1.06	**1.23**	0.03
38150	2610	50RB_Mid	Front	/	22.59	23	0.219	**0.24**	0.454	**0.50**	0.01
38150	2610	50RB_Mid	Rear	/	22.59	23	0.169	**0.19**	0.354	**0.39**	-0.03
38150	2610	50RB_Mid	Left	/	22.59	23	0.039	**0.04**	0.068	**0.07**	0.07
38150	2610	50RB_Mid	Right	/	22.59	23	0.015	**0.02**	0.031	**0.03**	0.12
38150	2610	50RB_Mid	Bottom	/	22.59	23	0.379	**0.42**	0.805	**0.88**	0.19
38000	2595	50RB_Mid	Bottom	/	22.54	23	0.402	**0.45**	0.842	**0.94**	0.09
37150	2580	50RB_Mid	Bottom	/	22.52	23	0.370	**0.41**	0.794	**0.89**	0.02
38150	2610	100RB	Bottom	/	22.51	23	0.340	**0.38**	0.636	**0.71**	0.09
38000	2595	1RB_Mid	Bottom	B2	23.41	24	0.465	**0.53**	0.988	**1.13**	-0.09
38000	2595	1RB_Mid	Bottom	H1	23.41	24	0.445	**0.51**	0.947	**1.08**	0.11

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

Note2: The LTE mode is QPSK_20MHz.

14.3 SAR results for Standard procedure

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

Table 14.3-1: SAR Values (GSM 850 MHz Band - Head) – antenna1

Ambient Temperature: 22.9℃ Liquid Temperature: 22.5℃											
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	Left	Touch	Fig.1	28.98	30	0.265	**0.34**	0.369	**0.47**	0.02

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

Table 14.3-2: SAR Values (GSM 850 MHz Band - Body) – antenna1

Ambient Temperature: 22.9℃ Liquid Temperature: 22.5℃											
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 (3)	Left	Fig.2	28.98	30	0.312	**0.39**	0.455	**0.58**	-0.01

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

Table 14.3-3: SAR Values (GSM 850 MHz Band - Head) – antenna2

Ambient Temperature: 22.9℃ Liquid Temperature: 22.5℃											
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.3	28.98	30	0.238	**0.30**	0.316	**0.40**	-0.04

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

Table 14.3-4: SAR Values (GSM 850 MHz Band - Body) – antenna2

Ambient Temperature: 22.9℃ Liquid Temperature: 22.5℃											
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 (3)	Right	Fig.4	28.98	30	0.294	**0.37**	0.426	**0.54**	-0.13

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

Table 14.3-5: SAR Values (GSM 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										
512	1850.2	Right	Touch	Fig.5	28.02	29	0.123	**0.15**	0.193	**0.24**	0.18

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

Table 14.3-6: 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 (1)	Bottom	Fig.6	29.09	30.5	0.466	**0.64**	0.875	**1.21**	0.19

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

Table 14.3-7: SAR Values (WCDMA 850 MHz Band - Head) – antenna1

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										
4132	826.4	Left	Touch	Fig.7	23.35	24	0.240	**0.28**	0.321	**0.37**	-0.03

Table 14.3-8: SAR Values (WCDMA 850 MHz Band - Body) – antenna1

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									
4233	846.6	Left	Fig.8	23.50	24	0.267	**0.30**	0.394	**0.44**	0.05

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

Table 14.3-9: SAR Values (WCDMA 850 MHz Band - Head) – antenna2

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										
4182	836.4	Right	Touch	Fig.9	23.23	24	0.218	**0.26**	0.301	**0.36**	-0.01

Table 14.3-10: SAR Values (WCDMA 850 MHz Band - Body) – antenna2

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									
4233	846.6	Right	Fig.10	23.50	24	0.206	**0.23**	0.300	**0.34**	-0.02

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

Table 14.3-11: 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										
1537	1712.4	Right	Touch	Fig.11	23.22	24	0.276	**0.33**	0.431	**0.52**	-0.02

Table 14.3-12: 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									
1738	1752.6	Bottom	Fig.12	20.91	21	0.536	**0.55**	1.05	**1.07**	0.01

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

Table 14.3-13: 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										
9662	1852.4	Right	Touch	Fig.13	23.76	24	0.183	**0.19**	0.269	**0.28**	0.05

Table 14.3-14: 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									
9938	1907.6	Bottom	Fig.14	19.61	20	0.598	**0.65**	1.16	**1.27**	-0.02

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

Table 14.3-15: 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											
19100	1900	1RB_Low	Right	Touch	Fig.15	24.12	25	0.123	**0.15**	0.178	**0.22**	0.14

Note1: The LTE mode is QPSK_20MHz.

Table 14.3-16: 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											
19100	1900	1RB_Low	Bottom	Fig.16	20.42	21	0.590	**0.67**	1.15	**1.31**	0.04	

Note1: The distance between the EUT and the phantom bottom is 10mm.
Note2: The LTE mode is QPSK_20MHz.

Table 14.3-17: 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											
20300	1745	1RB_Low	Right	Touch	Fig.17	23.62	24	0.212	**0.23**	0.320	**0.35**	0.04

Note1: The LTE mode is QPSK_20MHz.

Table 14.3-18: 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										
20300	1745	100RB	Bottom	Fig.18	21.57	22	0.524	**0.58**	1.03	**1.14**	0.08

Note1: The distance between the EUT and the phantom bottom is 10mm.
Note2: The LTE mode is QPSK_20MHz.

Table 14.3-19: SAR Values (LTE Band5 - Head) – antenna1

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											
20600	844	25RB_High	Left	Touch	Fig.19	22.62	23	0.167	**0.18**	0.224	**0.24**	0.16

Note1: The LTE mode is QPSK_10MHz.

Table 14.3-20: SAR Values (LTE Band5 - Body) – antenna1

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										
20600	844	25RB_High	Left	Fig.20	22.62	23	0.187	**0.20**	0.276	**0.30**	0.02

Note1: The distance between the EUT and the phantom bottom is 10mm.
Note2: The LTE mode is QPSK_10MHz.

Table 14.3-21: SAR Values (LTE Band5 - Head) – antenna2

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											
20450	829	1RB_High	Left	Touch	Fig.21	23.70	24	0.159	**0.17**	0.209	**0.22**	0.05

Note1: The LTE mode is QPSK_10MHz.

Table 14.3-22: SAR Values (LTE Band5 - Body) – antenna2

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										
20450	829	1RB_High	Bottom	Fig.22	23.70	24	0.177	**0.19**	0.297	**0.32**	0.04

Note1: The distance between the EUT and the phantom bottom is 10mm.
Note2: The LTE mode is QPSK_10MHz.

Table 14.3-23: 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											
21100	2535	1RB_Low	Right	Touch	Fig.23	23.03	24	0.078	**0.10**	0.146	**0.18**	0.12

Note1: The LTE mode is QPSK_20MHz.

Table 14.3-24: 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										
21100	2535	1RB_Low	Bottom	Fig.18	19.85	20	0.502	**0.52**	1.08	**1.12**	-0.07

Note1: The distance between the EUT and the phantom bottom is 10mm.
Note2: The LTE mode is QPSK_20MHz.

Table 14.3-25: SAR Values (LTE Band17 - Head) – antenna1

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											
23790	710	1RB_Mid	Left	Touch	Fig.25	23.63	24	0.125	**0.14**	0.158	**0.17**	0.06

Note1: The LTE mode is QPSK_10MHz.

Table 14.3-26: SAR Values (LTE Band17 - Body) – antenna1

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										
23790	710	1RB_Mid	Left	Fig.26	23.63	24	0.130	**0.14**	0.183	**0.20**	0.13

Note1: The distance between the EUT and the phantom bottom is 10mm.
Note2: The LTE mode is QPSK_10MHz.

Table 14.3-27: SAR Values (LTE Band17 - Head) – antenna2

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											
23790	710	1RB_Mid	Right	Touch	Fig.27	23.63	24	0.121	**0.13**	0.154	**0.17**	0.03

Note1: The LTE mode is QPSK_10MHz.

Table 14.3-28: SAR Values (LTE Band17 - Body) – antenna2

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											
23790	710	1RB_Mid	Right	Fig.28	23.63	24	0.174	**0.19**	0.245	**0.27**	0.15	

Note1: The distance between the EUT and the phantom bottom is 10mm.
Note2: The LTE mode is QPSK_10MHz.

Table 14.3-29: SAR Values (LTE Band13 - Head) – antenna1

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_Mid	Left	Touch	Fig.29	23.40	24	0.161	**0.18**	0.210	**0.24**	0.15

Note1: The LTE mode is QPSK_10MHz.

Table 14.3-30: SAR Values (LTE Band13 - Body) – antenna1

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_Mid	Left	Fig.30	23.40	24	0.259	**0.30**	0.372	**0.43**	0.02	

Note1: The distance between the EUT and the phantom bottom is 10mm.
Note2: The LTE mode is QPSK_10MHz.

Table 14.3-31: SAR Values (LTE Band13 - Head) – antenna2

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_Mid	Left	Touch	Fig.31	23.40	24	0.154	**0.18**	0.204	**0.23**	-0.09

Note1: The LTE mode is QPSK_10MHz.

Table 14.3-32: SAR Values (LTE Band13 - Body) – antenna2

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_Mid	Right	Fig.32	23.40	24	0.198	**0.23**	0.250	**0.29**	0.15	

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

Note2: The LTE mode is QPSK_10MHz.

Table 14.3-33: SAR Values (LTE Band38 - 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											
38000	2595	1RB_Mid	Right	Touch	Fig.33	23.41	24	0.052	**0.06**	0.102	**0.12**	-0.03

Note1: The LTE mode is QPSK_20MHz.

Table 14.3-34: SAR Values (LTE Band38 - 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										
38000	2595	1RB_Mid	Bottom	Fig.34	23.41	24	0.503	**0.58**	1.07	**1.23**	-0.12

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

Note2: The LTE mode is QPSK_20MHz.

14.4 WLAN Evaluation

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

Head Evaluation

Table 14.4-1: SAR Values (WLAN - Head)– 802.11b 1Mbps (Fast SAR)

Ambient Temperature: 22.9℃ Liquid Temperature: 22.5℃											
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.										
2437	6	Left	Touch	/	20.97	21	0.122	**0.12**	0.234	**0.24**	0.09
2437	6	Left	Tilt	/	20.97	21	0.050	**0.05**	0.094	**0.09**	0.05
2437	6	Right	Touch	/	20.97	21	0.059	**0.06**	0.114	**0.11**	0.07
2437	6	Right	Tilt	/	20.97	21	0.039	**0.04**	0.084	**0.08**	0.04
2437	6	Left	Touch	B2	20.97	21	0.085	**0.09**	0.157	**0.16**	0.01

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

Table 14.4-2: SAR Values (WLAN - Head)– 802.11b 1Mbps (Full SAR)

Ambient Temperature: 22.9℃ Liquid Temperature: 22.5℃											
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.										
2437	6	Left	Touch	Fig.35	20.97	21	0.138	**0.14**	0.285	**0.29**	0.09
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 14.4-3: SAR Values (WLAN - Head) – 802.11b 1Mbps (Scaled Reported SAR)

Ambient Temperature: 22.9℃ Liquid Temperature: 22.5℃							
Frequency		Side	Test Position	Actual duty factor	maximum duty factor	Reported SAR (1g)(W/kg)	Scaled reported SAR (1g)(W/kg)
MHz	Ch.						
2437	6	Left	Touch	98.75%	100%	**0.29**	**0.29**
2437	6	Right	Touch	98.75%	100%	**0.11**	**0.11**

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

Body Evaluation

Table 14.4-4: SAR Values(WLAN - Body)– 802.11b 1Mbps (Fast SAR)

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)
MHz	Ch.									
2437	6	Front	/	20.97	21	0.020	**0.02**	0.036	**0.04**	0.00
2437	6	Rear	/	20.97	21	0.209	**0.21**	0.431	**0.43**	0.13
2437	6	Right	/	20.97	21	0.064	**0.06**	0.122	**0.12**	-0.11
2437	6	Top	/	20.97	21	0.017	**0.02**	0.029	**0.03**	0.11
2437	6	Rear	B2	20.97	21	0.112	**0.11**	0.240	**0.24**	0.13

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

Table 14.4-5: SAR Values(WLAN - Body)– 802.11b 1Mbps (Full SAR)

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)
MHz	Ch.									
2437	6	Rear	Fig.36	20.97	21	0.246	**0.25**	0.548	**0.55**	0.13
2437	6	Right	/	20.97	21	0.069	**0.07**	0.133	**0.13**	-0.11

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.

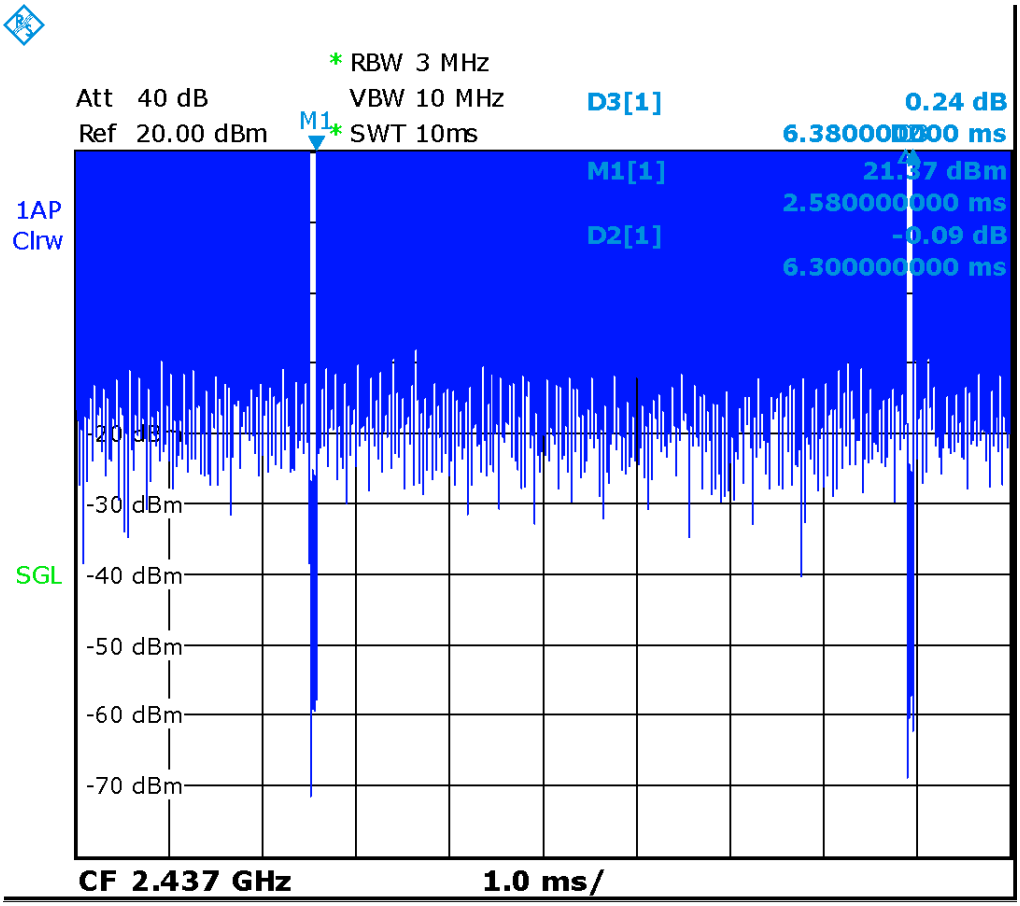
Note2: For all positions/configurations tested using the initial test position and subsequent test positions, when the reported SAR is > 0.8 W/kg, SAR is measured for these test positions/configurations on the subsequent next highest measured output power channel until the reported SAR is ≤ 1.2 W/kg 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 14.4-6: SAR Values (WLAN - Body) – 802.11b 1Mbps (Scaled Reported SAR)

Ambient Temperature: 22.9 °C					Liquid Temperature: 22.5°C	
Frequency		Test Position	Actual duty factor	maximum duty factor	Reported SAR (1g)(W/kg)	Scaled reported SAR (1g)(W/kg)
MHz	Ch.					
2437	6	Rear	98.75%	100%	**0.55**	**0.56**

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



Picture 14.1 Duty factor plot