		2593	21.96	21.02	19.84
		2549.5	21.90	20.97	19.77
		2506	22.02	21.12	19.51
	50RB Middle (25)	2680	21.95	21.10	20.11
		2636.5	21.96	21.16	19.99
		2593	21.93	20.98	19.88
		2549.5	21.98	21.06	19.93
		2506	21.99	21.10	19.50
	50RB Low (0)	2680	22.02	21.18	20.21
		2636.5	22.04	21.25	20.07
		2593	22.04	21.09	20.00
		2549.5	21.91	21.06	19.81
		2506	22.13	21.20	19.55
	100RB (0)	2680	21.99	21.05	20.12
		2636.5	21.92	21.10	19.99
		2593	21.92	21.01	19.87
		2549.5	21.95	21.03	19.89
		2506	22.03	21.05	19.51

Band 4					
Bandwidth (MHz)	RB allocation RB offset (Start RB)	Frequency (MHz)	QPSK Actual output power (dBm)	16QAM Actual output power (dBm)	64QAM Actual output power (dBm)
1.4 MHz	1RB High (5)	1754.3	22.79	21.75	21.89
		1732.5	23.04	22.08	21.86
		1710.7	22.84	22.32	21.97
	1RB Middle (3)	1754.3	22.83	21.87	22.00
		1732.5	23.10	22.16	21.95
		1710.7	22.92	22.36	21.95
	1RB Low (0)	1754.3	22.77	21.83	21.98
		1732.5	23.08	22.07	21.95
		1710.7	22.75	22.30	21.97
	3RB High (3)	1754.3	22.74	22.01	21.82
		1732.5	23.01	22.14	21.97
		1710.7	22.85	22.11	21.96
	3RB Middle (1)	1754.3	22.84	22.06	21.98
		1732.5	23.04	22.18	21.90
		1710.7	22.89	22.21	21.99
	3RB Low (0)	1754.3	22.71	22.04	21.97
		1732.5	22.96	22.09	21.99
		1710.7	22.86	22.10	21.94
	6RB (0)	1754.3	21.83	21.05	20.95
		1732.5	21.99	21.22	20.98
		1710.7	21.68	20.75	20.95
3 MHz	1RB High (14)	1753.5	22.91	22.18	21.79
		1732.5	23.01	22.02	21.91
		1711.5	22.87	21.85	22.00
	1RB Middle (7)	1753.5	23.03	22.35	21.96
		1732.5	23.15	22.15	21.92
		1711.5	22.97	22.01	21.98
	1RB Low (0)	1753.5	22.87	22.22	21.98
		1732.5	23.06	22.08	21.96
		1711.5	22.84	21.88	21.94
	8RB High (7)	1753.5	21.92	20.97	20.83
		1732.5	22.07	21.14	21.00
		1711.5	21.76	21.12	20.98
	8RB Middle (4)	1753.5	21.95	21.04	20.98
		1732.5	22.13	21.19	21.00
		1711.5	21.84	21.14	20.93
	8RB Low (0)	1753.5	21.92	21.01	20.99
		1732.5	22.09	21.16	20.98
		1711.5	21.80	21.17	20.95
	15RB (0)	1753.5	21.90	20.96	20.95
		1732.5	22.09	21.12	20.98
		1711.5	21.79	21.01	20.90
5 MHz	1RB High (24)	1752.5	22.91	21.96	21.80
		1732.5	23.11	22.20	21.94
		1712.5	22.85	22.46	21.95

	1RB Middle (12)	1752.5	22.93	21.98	21.98
		1732.5	23.18	22.20	21.92
		1712.5	22.85	22.49	21.92
	1RB Low (0)	1752.5	22.89	22.00	21.97
		1732.5	23.18	22.19	21.99
		1712.5	22.82	22.48	21.99
	12RB High (13)	1752.5	21.90	20.98	20.78
		1732.5	22.04	21.19	20.98
		1712.5	21.84	21.08	21.00
	12RB Middle (6)	1752.5	21.95	21.06	20.96
		1732.5	22.10	21.24	20.95
		1712.5	21.83	21.22	20.92
	12RB Low (0)	1752.5	21.93	21.05	20.97
		1732.5	22.06	21.18	20.95
		1712.5	21.84	21.11	20.97
	25RB (0)	1752.5	21.87	20.93	20.95
		1732.5	22.07	21.15	21.00
		1712.5	21.84	21.07	20.87
10 MHz	1RB High (49)	1750	22.82	21.80	21.87
		1732.5	23.04	21.98	21.85
		1715	22.96	22.40	21.93
	1RB Middle (24)	1750	22.82	21.95	21.95
		1732.5	23.03	21.97	21.95
		1715	22.92	22.37	21.94
	1RB Low (0)	1750	22.81	21.99	21.99
		1732.5	23.03	21.94	21.95
		1715	22.90	22.33	21.96
	25RB High (25)	1750	21.84	21.01	20.82
		1732.5	22.09	21.18	20.96
		1715	21.98	21.16	21.00
	25RB Middle (12)	1750	21.90	21.10	20.99
		1732.5	22.13	21.20	20.98
		1715	22.02	21.23	20.91
	25RB Low (0)	1750	21.92	21.05	20.97
		1732.5	22.07	21.12	21.00
		1715	21.91	21.13	20.98
	50RB (0)	1750	21.86	21.05	20.94
		1732.5	22.08	21.14	20.95
		1715	21.99	21.19	20.94
15 MHz	1RB High (74)	1747.5	22.90	22.16	21.85
		1732.5	22.92	21.95	21.96
		1717.5	22.90	22.29	22.00
	1RB Middle (37)	1747.5	22.90	22.33	22.00
		1732.5	22.99	21.95	21.95
		1717.5	22.96	22.43	21.98
	1RB Low (0)	1747.5	22.98	22.45	21.99
		1732.5	23.02	21.88	21.94
		1717.5	22.86	22.32	21.97

	36RB High (38)	1747.5	21.89	20.96	20.79
		1732.5	22.03	21.16	20.97
		1717.5	22.02	21.13	20.96
	36RB Middle (19)	1747.5	21.89	21.01	20.96
		1732.5	22.12	21.18	20.99
		1717.5	22.03	21.14	20.90
	36RB Low (0)	1747.5	21.95	21.09	20.94
		1732.5	22.05	21.14	20.98
		1717.5	21.96	21.13	20.99
	75RB (0)	1747.5	21.96	21.14	20.96
		1732.5	22.04	21.14	21.00
		1717.5	22.00	21.14	20.89
20 MHz	1RB High (99)	1745	22.86	22.22	21.86
		1732.5	22.98	22.42	21.92
		1720	23.01	22.46	22.00
	1RB Middle (50)	1745	22.84	22.40	21.97
		1732.5	22.99	22.40	21.94
		1720	22.93	22.45	22.00
	1RB Low (0)	1745	22.89	22.42	21.94
		1732.5	22.90	22.26	21.95
		1720	22.81	22.44	21.97
	50RB High (50)	1745	21.89	21.03	20.84
		1732.5	22.06	21.20	21.00
		1720	22.10	21.21	21.00
	50RB Middle (25)	1745	22.06	21.17	20.93
		1732.5	22.13	21.18	20.92
		1720	22.02	21.14	20.95
	50RB Low (0)	1745	22.07	21.16	20.94
		1732.5	22.09	21.10	20.96
		1720	22.00	21.16	20.93
	100RB (0)	1745	22.00	21.17	20.95
		1732.5	22.05	21.13	20.94
		1720	21.98	21.11	20.93

Band 26					
Bandwidth (MHz)	RB allocation RB offset (Start RB)	Frequency (MHz)	QPSK Actual output power (dBm)	16QAM Actual output power (dBm)	64QAM Actual output power (dBm)
1.4 MHz	1RB High (5)	848.3	22.35	21.83	20.06
		831.5	23.00	22.14	21.30
		814.7	23.15	22.24	21.21
	1RB Middle (3)	848.3	22.31	21.78	21.36
		831.5	23.10	22.16	21.25
		814.7	23.21	22.31	21.27
	1RB Low (0)	848.3	22.33	21.81	21.32
		831.5	23.02	22.08	21.32
		814.7	23.17	22.33	21.34
	3RB High (3)	848.3	22.17	21.50	20.05
		831.5	23.06	22.27	20.14
		814.7	23.15	22.30	20.35
	3RB Middle (1)	848.3	22.20	21.57	20.16
		831.5	23.07	22.34	20.26
		814.7	23.24	22.36	20.32
	3RB Low (0)	848.3	22.17	21.56	20.22
		831.5	23.05	22.29	20.20
		814.7	23.15	22.33	20.27
	6RB (0)	848.3	21.80	20.81	20.07
		831.5	21.97	21.24	20.15
		814.7	22.15	21.38	20.20
3 MHz	1RB High (14)	847.5	22.45	21.90	20.08
		831.5	23.04	22.19	21.23
		815.5	23.06	22.14	21.19
	1RB Middle (7)	847.5	22.52	22.02	21.32
		831.5	23.14	22.29	21.23
		815.5	23.15	21.33	21.24
	1RB Low (0)	847.5	22.92	22.35	21.31
		831.5	23.08	22.23	21.31
		815.5	23.08	22.18	21.31
	8RB High (7)	847.5	21.88	21.06	20.06
		831.5	22.05	21.21	20.09
		815.5	22.02	21.21	20.32
	8RB Middle (4)	847.5	21.94	21.14	20.16
		831.5	22.12	21.23	20.26
		815.5	22.13	21.23	20.31
	8RB Low (0)	847.5	21.92	21.07	20.19
		831.5	22.10	21.19	20.21
		815.5	22.08	21.20	20.19
	15RB (0)	847.5	21.93	21.06	20.14
		831.5	22.07	21.15	20.19
		815.5	22.10	21.15	20.23
5 MHz	1RB High (24)	846.5	22.98	21.79	20.07
		831.5	23.02	22.44	21.26
		816.5	23.23	22.32	21.18

	1RB Middle (12)	846.5	23.05	21.98	21.36
		831.5	23.06	22.50	21.17
		816.5	23.10	22.44	21.24
	1RB Low (0)	846.5	23.03	22.18	21.36
		831.5	23.07	22.48	21.31
		816.5	23.11	22.42	21.38
	12RB High (13)	846.5	21.92	21.07	20.04
		831.5	22.07	21.29	20.11
		816.5	22.26	21.36	20.33
	12RB Middle (6)	846.5	21.99	21.15	20.15
		831.5	22.14	21.33	20.29
		816.5	22.29	21.44	20.33
	12RB Low (0)	846.5	22.00	21.15	20.19
		831.5	22.10	21.37	20.18
		816.5	22.27	21.38	20.25
	25RB (0)	846.5	21.97	21.07	20.11
		831.5	22.10	21.26	20.19
		816.5	22.29	21.23	20.25
10 MHz	1RB High (49)	844	22.17	21.91	20.11
		831.5	23.05	22.46	21.20
		820	23.23	22.33	21.27
	1RB Middle (24)	844	22.92	21.95	21.40
		831.5	23.09	22.44	21.18
		820	23.20	22.30	21.28
	1RB Low (0)	844	22.92	21.98	21.30
		831.5	23.13	22.45	21.34
		820	23.20	22.32	21.36
	25RB High (25)	844	21.93	21.06	20.03
		831.5	22.06	21.23	20.15
		820	22.34	21.42	20.31
	25RB Middle (12)	844	21.99	21.10	20.11
		831.5	22.16	21.25	20.23
		820	22.27	21.46	20.34
	25RB Low (0)	844	21.96	21.09	20.18
		831.5	22.09	21.24	20.23
		820	22.22	21.40	20.24
	50RB (0)	844	22.01	21.11	20.13
		831.5	22.08	21.18	20.14
		820	22.35	21.49	20.26
15 MHz	1RB High (74)	841.5	22.77	21.11	20.08
		831.5	22.94	21.97	21.27
		822.5	23.12	22.50	21.24
	1RB Middle (37)	841.5	23.01	22.45	21.39
		831.5	23.03	22.06	21.22
		822.5	23.08	22.42	21.28
	1RB Low (0)	841.5	23.03	22.42	21.34
		831.5	23.15	22.08	21.37
		822.5	23.18	22.45	21.38

	36RB High (38)	841.5	21.92	20.98	20.08
		831.5	22.04	21.14	20.14
		822.5	22.15	21.25	20.31
	36RB Middle (19)	841.5	21.96	21.05	20.17
		831.5	22.09	21.19	20.26
		822.5	22.23	21.34	20.36
	36RB Low (0)	841.5	22.01	21.02	20.24
		831.5	22.09	21.18	20.24
		822.5	22.14	21.25	20.25
	75RB (0)	841.5	21.98	21.00	20.14
		831.5	22.07	21.14	20.19
		822.5	22.18	21.27	20.25

Low power

Table 11.3-2: The conducted Power for LTE

Band 2					
Bandwidth (MHz)	RB allocation RB offset (Start RB)	Frequency (MHz)	QPSK Actual output power (dBm)	16QAM Actual output power (dBm)	64QAM Actual output power (dBm)
1.4 MHz	1RB High (5)	1909.3	20.98	21.12	21.12
		1880	21.31	21.45	21.41
		1850.7	21.28	21.67	21.48
	1RB Middle (3)	1909.3	21.05	21.15	21.12
		1880	21.40	21.49	21.46
		1850.7	21.36	21.72	21.48
	1RB Low (0)	1909.3	20.97	21.08	21.33
		1880	21.35	21.41	21.45
		1850.7	21.29	21.68	21.51
	3RB High (3)	1909.3	21.04	21.27	21.16
		1880	21.32	21.42	21.44
		1850.7	21.32	21.50	21.42
	3RB Middle (1)	1909.3	21.06	21.32	21.14
		1880	21.39	21.52	21.45
		1850.7	21.39	21.62	21.42
	3RB Low (0)	1909.3	21.02	21.26	21.32
		1880	21.33	21.43	21.45
		1850.7	21.36	21.54	21.52
	6RB (0)	1909.3	21.05	21.28	20.21
		1880	21.31	21.48	20.36
		1850.7	21.24	21.20	20.24
3 MHz	1RB High (14)	1908.5	20.98	21.12	21.17
		1880	21.35	21.23	21.39
		1851.5	21.31	21.72	21.48
	1RB Middle (7)	1908.5	21.10	21.27	21.15
		1880	21.42	21.40	21.35
		1851.5	21.45	21.84	21.44
	1RB Low (0)	1908.5	21.04	21.17	21.29
		1880	21.25	21.24	21.39
		1851.5	21.30	21.69	21.50
	8RB High (7)	1908.5	21.06	21.20	20.09
		1880	21.37	21.51	20.31
		1851.5	21.33	21.48	20.35
	8RB Middle (4)	1908.5	21.16	21.27	20.06
		1880	21.41	21.54	20.39
		1851.5	21.40	21.51	20.47
	8RB Low (0)	1908.5	21.08	21.21	20.25
		1880	21.37	21.55	20.28
		1851.5	21.33	21.48	20.38
	15RB (0)	1908.5	21.10	21.15	20.16
		1880	21.35	21.46	20.30
		1851.5	21.33	21.41	20.31

5 MHz	1RB High (24)	1907.5	21.09	21.23	21.06
		1880	21.43	21.58	21.36
		1852.5	21.32	21.69	21.47
	1RB Middle (12)	1907.5	21.14	21.27	21.12
		1880	21.46	21.58	21.42
		1852.5	21.37	21.72	21.48
	1RB Low (0)	1907.5	21.09	21.21	21.26
		1880	21.41	21.53	21.38
		1852.5	21.27	21.68	21.45
	12RB High (13)	1907.5	21.07	21.20	20.11
		1880	21.37	21.49	20.34
		1852.5	21.33	21.55	20.30
	12RB Middle (6)	1907.5	21.17	21.28	20.07
		1880	21.42	21.53	20.32
		1852.5	21.37	21.56	20.38
	12RB Low (0)	1907.5	21.13	21.29	20.22
		1880	21.37	21.52	20.35
		1852.5	21.37	21.55	20.43
	25RB (0)	1907.5	21.10	21.12	20.12
		1880	21.38	21.46	20.33
		1852.5	21.37	21.50	20.28
10 MHz	1RB High (49)	1905	21.05	21.12	21.14
		1880	21.43	21.36	21.36
		1855	21.41	21.85	21.43
	1RB Middle (24)	1905	21.05	21.17	21.11
		1880	21.38	21.32	21.37
		1855	21.36	21.81	21.48
	1RB Low (0)	1905	21.07	21.15	21.33
		1880	21.42	21.37	21.39
		1855	21.43	21.79	21.43
	25RB High (25)	1905	21.09	21.27	20.11
		1880	21.39	21.41	20.29
		1855	21.37	21.47	20.35
	25RB Middle (12)	1905	21.17	21.28	20.09
		1880	21.45	21.49	20.41
		1855	21.43	21.50	20.38
	25RB Low (0)	1905	21.14	21.23	20.20
		1880	21.36	21.40	20.32
		1855	21.36	21.43	20.35
	50RB (0)	1905	21.10	21.21	20.15
		1880	21.38	21.44	20.30
		1855	21.36	21.43	20.26
15 MHz	1RB High (74)	1902.5	21.08	21.47	21.11
		1880	21.27	21.32	21.47
		1857.5	21.31	21.72	21.49
	1RB Middle (37)	1902.5	21.15	21.50	21.12
		1880	21.34	21.33	21.41
		1857.5	21.34	21.78	21.50

	1RB Low (0)	1902.5	21.12	21.56	21.29
		1880	21.30	21.24	21.45
		1857.5	21.30	21.69	21.52
	36RB High (38)	1902.5	21.10	21.18	20.12
		1880	21.41	21.49	20.36
		1857.5	21.35	21.46	20.32
	36RB Middle (19)	1902.5	21.15	21.19	20.09
		1880	21.44	21.50	20.37
		1857.5	21.36	21.50	20.43
	36RB Low (0)	1902.5	21.09	21.22	20.20
		1880	21.38	21.46	20.39
		1857.5	21.28	21.48	20.36
	75RB (0)	1902.5	21.10	21.21	20.16
		1880	21.36	21.46	20.35
		1857.5	21.28	21.48	20.29
20 MHz	1RB High (99)	1900	21.03	21.33	21.13
		1880	21.41	21.61	21.43
		1860	21.22	21.50	21.45
	1RB Middle (50)	1900	21.10	21.36	21.15
		1880	21.36	21.51	21.42
		1860	21.21	21.43	21.50
	1RB Low (0)	1900	21.16	21.47	21.32
		1880	21.33	21.71	21.45
		1860	21.19	21.57	21.48
	50RB High (50)	1900	21.17	21.25	20.08
		1880	21.39	21.46	20.34
		1860	21.35	21.47	20.35
	50RB Middle (25)	1900	21.22	21.26	20.11
		1880	21.41	21.47	20.39
		1860	21.36	21.51	20.44
	50RB Low (0)	1900	21.28	21.34	20.22
		1880	21.35	21.42	20.35
		1860	21.31	21.43	20.40
	100RB (0)	1900	21.24	21.33	20.19
		1880	21.36	21.42	20.32
		1860	21.31	21.45	20.28

Band 7					
Bandwidth (MHz)	RB allocation RB offset (Start RB)	Frequency (MHz)	QPSK Actual output power (dBm)	16QAM Actual output power (dBm)	64QAM Actual output power (dBm)
5 MHz	1RB High (24)	2567.5	19.01	19.12	19.29
		2535	19.07	19.23	19.34
		2502.5	18.95	19.36	19.20
	1RB Middle (12)	2567.5	18.96	19.11	19.27
		2535	18.97	19.17	19.28
		2502.5	18.92	19.38	19.09
	1RB Low (0)	2567.5	18.95	19.08	19.33
		2535	18.99	19.13	19.38
		2502.5	18.91	19.32	19.26
	12RB High (13)	2567.5	18.98	19.11	19.24
		2535	18.99	19.19	19.23
		2502.5	18.93	19.19	19.05
	12RB Middle (6)	2567.5	19.00	19.11	19.29
		2535	19.00	19.20	19.21
		2502.5	19.00	19.24	18.96
	12RB Low (0)	2567.5	18.98	19.07	19.16
		2535	18.95	19.18	19.16
		2502.5	18.97	19.22	18.97
	25RB (0)	2567.5	19.01	18.99	19.17
		2535	18.99	19.13	19.17
		2502.5	18.97	19.12	19.05
10 MHz	1RB High (49)	2565	18.92	19.03	19.26
		2535	19.06	19.08	19.34
		2505	18.90	19.28	19.15
	1RB Middle (24)	2565	18.92	19.03	19.33
		2535	18.92	18.96	19.35
		2505	18.95	19.22	19.06
	1RB Low (0)	2565	18.99	19.12	19.34
		2535	18.90	18.93	19.36
		2505	18.98	19.37	19.25
	25RB High (25)	2565	18.99	19.19	19.20
		2535	19.08	19.21	19.23
		2505	18.93	19.07	19.02
	25RB Middle (12)	2565	18.98	19.19	19.24
		2535	19.08	19.20	19.21
		2505	19.06	19.18	18.98
	25RB Low (0)	2565	19.02	19.18	19.25
		2535	19.02	19.12	19.12
		2505	19.03	19.10	18.96
	50RB (0)	2565	19.07	19.19	19.18
		2535	19.05	19.14	19.13
		2505	18.90	19.05	18.97
15 MHz	1RB High (74)	2562.5	19.04	19.39	19.21
		2535	18.93	19.03	19.38

		2507.5	18.93	19.30	19.19
	1RB Middle (37)	2562.5	18.99	19.32	19.26
		2535	18.92	19.03	19.30
		2507.5	19.02	19.42	19.09
	1RB Low (0)	2562.5	19.02	19.38	19.34
		2535	18.91	18.94	19.31
		2507.5	19.01	19.42	19.26
	36RB High (38)	2562.5	19.00	19.03	19.23
		2535	19.07	19.20	19.26
		2507.5	18.93	19.07	18.96
	36RB Middle (19)	2562.5	19.09	19.14	19.26
		2535	19.04	19.16	19.18
		2507.5	18.91	19.11	18.97
	36RB Low (0)	2562.5	19.02	19.07	19.23
		2535	19.01	19.11	19.08
		2507.5	18.97	19.16	18.91
	75RB (0)	2562.5	19.02	19.17	19.17
		2535	18.99	19.10	19.13
		2507.5	18.89	19.03	19.00
20 MHz	1RB High (99)	2560	18.99	19.37	19.26
		2535	19.02	19.38	19.35
		2510	18.99	19.27	19.18
	1RB Middle (50)	2560	19.04	19.38	19.32
		2535	19.01	19.38	19.33
		2510	18.90	19.28	19.09
	1RB Low (0)	2560	18.94	19.25	19.38
		2535	19.03	19.29	19.35
		2510	18.96	19.33	19.25
	50RB High (50)	2560	19.12	19.20	19.23
		2535	19.14	19.20	19.25
		2510	19.00	19.14	19.02
	50RB Middle (25)	2560	19.06	19.15	19.26
		2535	19.06	19.14	19.20
		2510	18.94	19.09	18.98
	50RB Low (0)	2560	19.04	19.15	19.22
		2535	19.03	19.10	19.14
		2510	18.93	19.08	18.96
	100RB (0)	2560	19.03	19.11	19.23
		2535	19.04	19.18	19.19
		2510	18.95	19.12	19.02

Band 4					
Bandwidth (MHz)	RB allocation RB offset (Start RB)	Frequency (MHz)	QPSK Actual output power (dBm)	16QAM Actual output power (dBm)	64QAM Actual output power (dBm)
1.4 MHz	1RB High (5)	1754.3	20.94	21.20	21.11
		1732.5	21.06	21.11	21.32
		1710.7	20.88	21.15	21.20
	1RB Middle (3)	1754.3	20.96	21.28	21.21
		1732.5	21.12	21.14	21.17
		1710.7	20.94	21.19	21.18
	1RB Low (0)	1754.3	20.83	21.24	21.25
		1732.5	21.08	21.03	21.26
		1710.7	20.91	21.09	21.19
	3RB High (3)	1754.3	20.87	21.07	21.08
		1732.5	21.05	21.29	21.28
		1710.7	20.90	21.12	21.19
	3RB Middle (1)	1754.3	20.91	21.16	21.27
		1732.5	21.08	21.37	21.19
		1710.7	20.99	21.15	21.12
	3RB Low (0)	1754.3	20.88	21.12	21.23
		1732.5	21.04	21.25	21.16
		1710.7	20.89	21.12	21.26
	6RB (0)	1754.3	20.86	20.84	20.99
		1732.5	20.97	21.25	20.93
		1710.7	20.81	21.09	20.98
3 MHz	1RB High (14)	1753.5	20.98	20.92	21.11
		1732.5	21.02	20.98	21.23
		1711.5	20.93	21.42	21.21
	1RB Middle (7)	1753.5	21.06	21.08	21.23
		1732.5	21.18	21.15	21.23
		1711.5	21.02	21.52	21.20
	1RB Low (0)	1753.5	20.89	21.01	21.20
		1732.5	21.00	20.98	21.21
		1711.5	20.86	21.44	21.24
	8RB High (7)	1753.5	20.93	21.02	20.85
		1732.5	21.10	21.28	21.00
		1711.5	20.92	21.12	20.93
	8RB Middle (4)	1753.5	21.01	21.05	20.90
		1732.5	21.14	21.32	20.98
		1711.5	20.97	21.19	20.82
	8RB Low (0)	1753.5	20.94	21.00	20.97
		1732.5	21.11	21.28	20.99
		1711.5	20.94	21.16	20.88
	15RB (0)	1753.5	20.95	20.97	20.82
		1732.5	21.15	21.23	21.00
		1711.5	20.94	21.13	20.91
5 MHz	1RB High (24)	1752.5	20.81	21.01	21.06
		1732.5	21.02	21.03	21.31
		1712.5	20.88	21.14	21.24

	1RB Middle (12)	1752.5	20.87	21.11	21.21
		1732.5	21.05	21.08	21.21
		1712.5	20.90	21.08	21.22
	1RB Low (0)	1752.5	20.81	21.09	21.29
		1732.5	21.02	21.02	21.18
		1712.5	20.89	20.99	21.25
	12RB High (13)	1752.5	20.93	21.05	20.84
		1732.5	21.03	21.31	20.93
		1712.5	20.92	21.06	20.90
	12RB Middle (6)	1752.5	20.93	21.12	20.88
		1732.5	21.12	21.32	20.99
		1712.5	20.91	21.05	20.82
	12RB Low (0)	1752.5	20.92	21.08	20.95
		1732.5	21.05	21.29	20.96
		1712.5	20.83	21.06	20.94
	25RB (0)	1752.5	20.94	21.00	20.87
		1732.5	21.08	21.24	20.96
		1712.5	20.86	20.95	20.96
10 MHz	1RB High (49)	1750	20.89	21.22	21.05
		1732.5	21.02	21.13	21.23
		1715	20.97	20.97	21.15
	1RB Middle (24)	1750	20.96	21.34	21.23
		1732.5	21.03	21.14	21.17
		1715	20.87	20.93	21.13
	1RB Low (0)	1750	20.95	21.34	21.24
		1732.5	21.14	21.09	21.27
		1715	20.98	20.96	21.22
	25RB High (25)	1750	20.92	21.01	20.83
		1732.5	21.06	21.28	20.96
		1715	21.02	21.14	20.92
	25RB Middle (12)	1750	20.95	21.08	20.93
		1732.5	21.08	21.27	20.97
		1715	21.07	21.11	21.00
	25RB Low (0)	1750	20.96	21.04	21.00
		1732.5	21.08	21.25	20.97
		1715	20.90	20.97	20.94
	50RB (0)	1750	20.92	21.02	20.81
		1732.5	21.09	21.16	20.97
		1715	21.02	21.09	20.87
15 MHz	1RB High (74)	1747.5	20.86	20.83	21.07
		1732.5	21.11	21.51	21.28
		1717.5	20.93	21.38	21.14
	1RB Middle (37)	1747.5	20.91	20.91	21.26
		1732.5	21.16	21.50	21.17
		1717.5	21.01	21.51	21.21
	1RB Low (0)	1747.5	20.98	21.00	21.20
		1732.5	21.11	21.47	21.20
		1717.5	20.90	21.50	21.28

	36RB High (38)	1747.5	20.94	21.07	21.00
		1732.5	21.09	21.26	20.96
		1717.5	21.00	21.11	20.88
	36RB Middle (19)	1747.5	20.94	21.05	20.96
		1732.5	21.10	21.25	21.00
		1717.5	21.04	21.12	20.84
	36RB Low (0)	1747.5	21.05	21.11	21.00
		1732.5	21.11	21.26	20.95
		1717.5	21.01	21.06	20.89
	75RB (0)	1747.5	21.01	21.15	20.86
		1732.5	21.08	21.24	20.98
		1717.5	20.98	21.07	20.90
20 MHz	1RB High (99)	1745	20.85	21.37	21.12
		1732.5	20.98	21.56	21.29
		1720	21.00	21.69	21.21
	1RB Middle (50)	1745	20.83	21.44	21.27
		1732.5	21.05	21.50	21.19
		1720	20.97	21.59	21.20
	1RB Low (0)	1745	20.96	21.54	21.26
		1732.5	20.87	21.36	21.24
		1720	20.83	21.54	21.25
	50RB High (50)	1745	21.01	21.09	20.87
		1732.5	21.16	21.22	20.95
		1720	21.18	21.31	20.95
	50RB Middle (25)	1745	21.15	21.23	20.93
		1732.5	21.17	21.21	20.97
		1720	21.12	21.18	20.87
	50RB Low (0)	1745	21.12	21.21	21.00
		1732.5	21.13	21.18	20.93
		1720	21.09	21.22	20.92
	100RB (0)	1745	21.08	21.24	20.87
		1732.5	21.16	21.20	20.96
		1720	21.07	21.21	20.93

The device supports downlink Release 10 LTE Carrier Aggregation (CA) only. It supports 2 and 3 carriers in the downlink. Other Release 10 features are not supported, including Uplink Carrier Aggregation, Enhanced SC-FDMA and Uplink MIMO or other antenna diversity configurations etc. All uplink communications are identical to the Release 8 Specifications. According to KDB 941225 D05A, the downlink LTE CA SAR test is not required and PAG requirements can be excluded.

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 Conduted Power are as below (3CA) – Normal power:

PCC								SCC1			SCC2			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	SCC Band	SCC Band width (MHz)	SCC DL Channel	Rel 8 LTETx Power (dBm)	Rel 10 DL LTE CA Tx Power (dBm)
5	5	1	0	25	0	20625	2625	3	20	1575	3	20	1575	23.30	22.99
7	15	1	74	75	0	20825	2825	1	20	300	3	20	1575	23.22	22.34
7	15	1	74	75	0	20825	2825	1	20	300	20	20	6300	23.22	22.33
7	15	1	74	75	0	20825	2825	3	20	1300	3	20	1575	23.22	22.46
7	15	1	74	75	0	20825	2825	3	20	1575	8	20	3625	23.22	22.5
7	15	1	74	75	0	20825	2825	3	20	1575	20	20	6300	23.22	22.49
7	15	1	74	75	0	20825	2825	3	20	1575	28	20	9460	23.22	22.49
7	15	1	74	75	0	20825	2825	7	20	3350	1	20	300	23.22	22.37
7	15	1	74	75	0	20825	2825	7	20	3350	3	20	1575	23.22	22.38

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 (2CA) – 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 LTETx Power (dBm)	Rel 10 DL LTE CA Tx Power (dBm)
5A-5A	5	5	1	0	25	0	20625	2625	5	10	2450	23.30	23.09
5B	5	5	1	0	25	0	20625	2625	5	3	2586	23.30	23.21
5A-1A	5	5	1	0	25	0	20625	2625	1	20	300	23.30	23.17
5A-3A	5	5	1	0	25	0	20625	2625	3	20	1575	23.30	23.27
5A-40A	5	5	1	0	25	0	20625	2625	40	20	39150	23.30	23.19
7A-7A	7	15	1	74	75	0	20825	2825	7	20	3350	23.22	23.13
7C	7	15	1	74	75	0	20825	2825	7	15	2975	23.22	23.14
7A-1A	7	15	1	74	75	0	20825	2825	1	20	300	23.22	23.21
7A-3A	7	15	1	74	75	0	20825	2825	3	20	1575	23.22	23.22
7A-20A	7	15	1	74	75	0	20825	2825	20	20	6300	23.22	23.13
41A-41A	41	20	1	0	100	0	39750	39750	41	20	41490	23.08	22.49
41C	41	20	1	0	100	0	39750	39750	41	20	39948	23.08	22.56

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 (3CA) – Low power:

PCC								SCC1			SCC2			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	SCC Band	SCC Band width (MHz)	SCC DL Channel	Rel 8 LTETx Power (dBm)	Rel 10 DL LTE CA Tx Power (dBm)
7	20	50	50	100	0	21100	3100	1	20	300	3	20	1575	19.14	19.13
7	20	50	50	100	0	21100	3100	1	20	300	20	20	6300	19.14	19.14
7	20	50	50	100	0	21100	3100	3	20	1300	3	20	1575	19.14	19.13
7	20	50	50	100	0	21100	3100	3	20	1575	8	20	3625	19.14	19.13
7	20	50	50	100	0	21100	3100	3	20	1575	20	20	6300	19.14	19.12
7	20	50	50	100	0	21100	3100	3	20	1575	28	20	9460	19.14	19.14
7	20	50	50	100	0	21100	3100	7	20	3350	1	20	300	19.14	19.1
7	20	50	50	100	0	21100	3100	7	20	3350	3	20	1575	19.14	19.13

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 (2CA) – 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 LTETx Power (dBm)	Rel 10 DL LTE CA Tx Power (dBm)
7A-7A	7	20	50	50	100	0	21350	3350	7	20	2850	19.12	19.07
7C	7	20	50	50	100	0	21350	3350	7	20	3152	19.12	19.08
7A-1A	7	20	50	50	100	0	21100	3100	1	20	300	19.14	19.05
7A-3A	7	20	50	50	100	0	21100	3100	3	20	1575	19.14	19.04
7A-20A	7	20	50	50	100	0	21100	3100	20	20	6300	19.14	19.08

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)
GFSK	3.69	3.06	4.14
Tune up	**5**	**5**	**6**
EDR2M-4_DQPSK	0.72	0.08	1.35
Tune up	**2**	**2**	**3**
EDR3M-8DPSK	0.80	-0.11	1.35
Tune up	**2**	**1.5**	**3**

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

NormalPower

802.11b (dBm)

Channel\data rate	1Mbps	2Mbps	5.5Mbps	11Mbps
1	18.42	/	/	/
6	18.50	18.24	18.28	18.19
11	18.32	/	/	/
Tune up	**20**	**20**	**20**	**20**

802.11g (dBm)

Channel\data rate	6Mbps	9Mbps	12Mbps	18Mbps	24Mbps	36Mbps	48Mbps	54Mbps
1	16.93	/	/	17.09	/	/	/	/
6	16.95	16.88	16.75	17.41	17.07	17.06	16.68	16.54
11	16.14	/	/	16.48	/	/	/	/
Tune up	**18**	**18**	**18**	**18**	**18**	**18**	**18**	**18**

802.11n (dBm) - HT20 (2.4G)

Channel\data rate	MCS0	MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7
1	15.79	/	16.21	/	/	/	/	/
6	15.85	15.51	16.24	16.06	15.98	15.76	15.66	15.55
11	15.16	/	15.67	/	/	/	/	/
Tune up	**17**	**17**	**17**	**17**	**17**	**17**	**17**	**17**

802.11n (dBm) – HT40 (2.4G)

Channel\data rate	MCS0	MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7
3	16.99	16.84	16.69	16.49	16.54	16.27	16.13	15.98
6	16.97	/	/	/	/	/	/	/
9	16.53	/	/	/	/	/	/	/
Tune up	**17**	**17**	**17**	**17**	**17**	**17**	**17**	**17**

802.11a (dBm)

Channel\data rate	6Mbps	9Mbps	12Mbps	18Mbps	24Mbps	36Mbps	48Mbps	54Mbps
36	17.93	17.89	17.78	18.27	17.94	17.38	17.07	16.93
40	17.87			18.21				
44	17.36			17.75				
48	17.34			16.53				
Tune up	**18.5**	**18.5**	**18.5**	**18.5**	**18.5**	**18.5**	**18.5**	**18.5**
52	17.48			17.71				
56	17.81			17.94				
60	17.89			17.95				
64	17.91	17.81	17.69	17.99	17.76	17.27	17.04	16.85
Tune up	**18**	**18**	**18**	**18**	**18**	**18**	**18**	**18**
100	17.09			17.65				
104	17.09			17.34				
108	16.91			17.11				
112	16.96			17.19				
116	17.13			17.31				
120	17.37			17.59				
124	17.55			17.74				
128	17.61			17.87				
132	17.65	17.46	17.35	17.89	17.48	16.93	16.67	16.58
136	17.55			17.82				
140	17.57			17.78				
144	17.42			17.69				
Tune up	**18**	**18**	**18**	**18**	**18**	**18**	**18**	**18**
149	17.49			18.02				
153	17.82			18.01				
157	18.12	18.09	17.89	18.29	17.99	17.39	17.13	17.01
161	17.98			18.27				
165	18.09			18.28				
Tune up	**18.5**	**18.5**	**18.5**	**18.5**	**18.5**	**18.5**	**18.5**	**18.5**

The Tune up of 802.11n is 17dBm. The Tune up of 802.11ac is 14dBm.
The detail of 5G evaluation is presented in section 14.4 on page 101.

LowPower

802.11b (dBm)

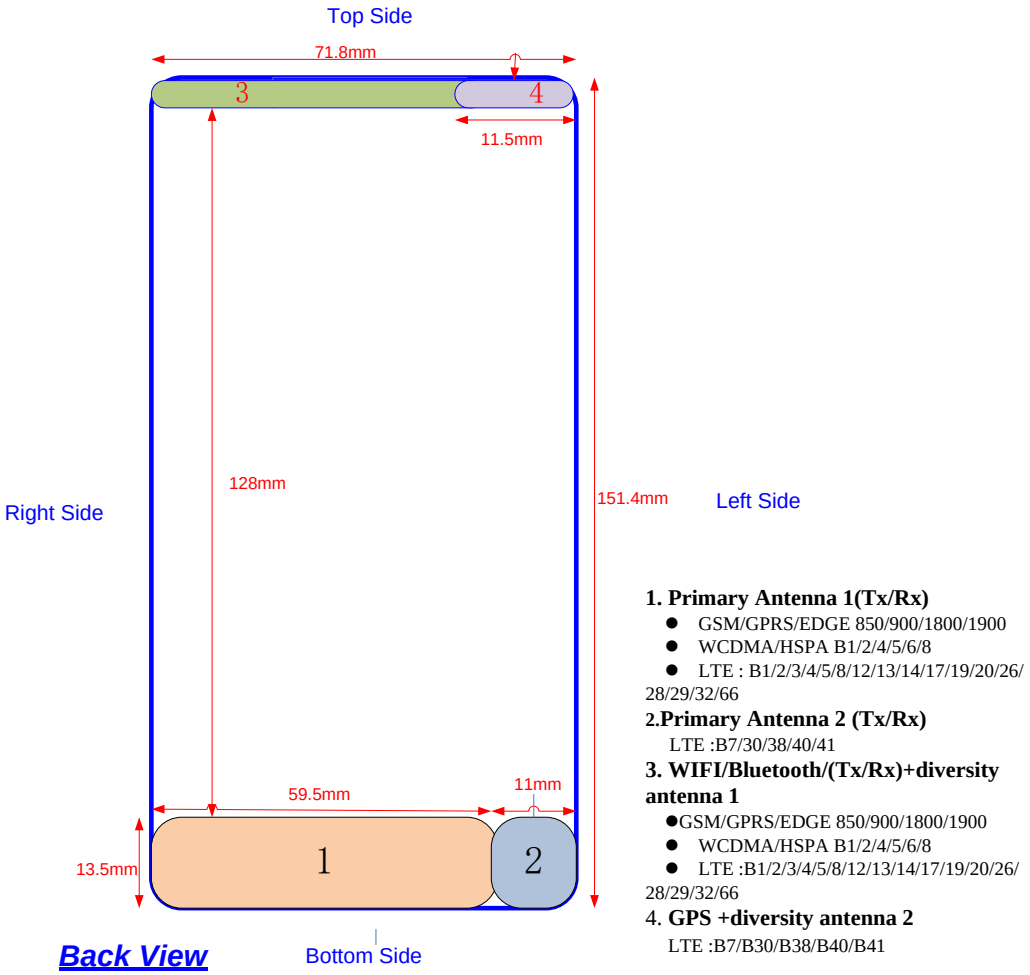
Channel\data rate	1Mbps	2Mbps	5.5Mbps	11Mbps
1	17.21	17.48	/	/
6	17.27	17.52	17.43	17.33
11	16.63	17.03	/	/
Tune up	**18.5**	**18.5**	**18.5**	**18.5**

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



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	No	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	6	3.98	Yes
		Body	19.20	6	3.98	Yes
2.4GHz WLAN	2.45	Head	9.58	20	100	No
		Body	19.17	20	100	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	0.54	1.04	**1.58**
	Right hand, Touch cheek	0.39	0.90	**1.29**
Highest reported SAR value for Body	Rear 10mm	1.05	0.16	**1.21**
	Bottom 10mm	1.32	/	**1.32**

Note1: we have evaluated and chose the highest value of WiFi 2.4G and 5G in the above table.
Note2: we have evaluated and chose the highest value of body 10mm and 15mm 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	Left hand, Touch cheek	0.54	0.17[1]	**0.71**
Maximum reported SAR value for Body	Rear 10mm	1.05	0.08[1]	**1.13**
	Bottom 10mm	1.32	/	**1.32**

[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	6	3.98	0.17
Bluetooth	2.441	Body	10	6	3.98	0.08

* - 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 or 15mmand 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.

Table 14.1: Duty Cycle

Mode	Duty Cycle
Speech for GSM850	1:2
Speech for GSM1900	1:2.67
GPRS&EGPRS for GSM850	1:2
GPRS&EGPRS for GSM1900	1:2.67
WCDMA&LTE FDD	1:1
LTE TDD	1:1.58

14.1 SAR results for Fast SAR

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

Ambient Temperature: 22.9 ºC Liquid Temperature: 22.5ºC											
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	/	28.65	29.5	0.166	**0.20**	0.205	**0.25**	0.02
190	836.6	Left	Tilt	/	28.65	29.5	0.092	**0.11**	0.143	**0.17**	-0.07
251	848.8	Right	Touch	Fig.1	28.70	29.5	0.254	**0.31**	0.322	**0.39**	0.08
190	836.6	Right	Touch	/	28.65	29.5	0.213	**0.26**	0.273	**0.33**	0.12
128	824.2	Right	Touch	/	28.62	29.5	0.229	**0.28**	0.288	**0.35**	0.07
190	836.6	Right	Tilt	/	28.65	29.5	0.075	**0.09**	0.097	**0.12**	-0.03

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

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

Ambient Temperature: 22.9 ºC Liquid Temperature: 22.5ºC											
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 (4)	Front	/	28.65	29.5	0.316	**0.38**	0.596	**0.72**	0.05
251	848.8	GPRS (4)	Rear	Fig.2	28.70	29.5	0.367	**0.44**	0.620	**0.75**	-0.03
190	836.6	GPRS (4)	Rear	/	28.65	29.5	0.363	**0.44**	0.611	**0.74**	0.11
128	824.2	GPRS (4)	Rear	/	28.62	29.5	0.290	**0.36**	0.564	**0.69**	0.16
190	836.6	GPRS (4)	Left	/	28.65	29.5	0.055	**0.07**	0.093	**0.11**	0.03
190	836.6	GPRS (4)	Right	/	28.65	29.5	0.132	**0.16**	0.231	**0.28**	-0.08
190	836.6	GPRS (4)	Bottom	/	28.65	29.5	0.148	**0.18**	0.331	**0.40**	0.19
251	848.8	EGPRS (4)	Rear	/	28.61	29.5	0.321	**0.39**	0.585	**0.72**	0.03

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

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

Ambient Temperature: 22.9 ºC Liquid Temperature: 22.5ºC											
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	**0.26**	0.426	**0.54**	-0.18
661	1880	Left	Touch	/	27.91	29	0.183	**0.24**	0.380	**0.49**	0.03
512	1850.2	Left	Touch	/	27.82	29	0.136	**0.18**	0.275	**0.36**	-0.09
661	1880	Left	Tilt	/	27.91	29	0.068	**0.09**	0.161	**0.21**	0.01
661	1880	Right	Touch	/	27.91	29	0.095	**0.12**	0.182	**0.23**	0.02
661	1880	Right	Tilt	/	27.91	29	0.046	**0.06**	0.093	**0.12**	0.08

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

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

Ambient Temperature: 22.9 ºC Liquid Temperature: 22.5ºC											
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 (3)	Front	/	27.52	28	0.216	**0.24**	0.361	**0.40**	0.04
661	1880	GPRS (3)	Rear	/	27.52	28	0.337	**0.38**	0.634	**0.71**	0.09
661	1880	GPRS (3)	Left	/	27.52	28	0.039	**0.04**	0.061	**0.07**	0.18
661	1880	GPRS (3)	Right	/	27.52	28	0.062	**0.07**	0.114	**0.13**	0.02
810	1909.8	GPRS (3)	Bottom	/	27.56	28	0.452	**0.50**	0.802	**0.89**	-0.08
661	1880	GPRS (3)	Bottom	/	27.52	28	0.406	**0.45**	0.711	**0.79**	0.11
512	1850.2	GPRS (3)	Bottom	Fig.4	27.56	28	0.474	**0.52**	0.844	**0.93**	-0.13
512	1850.2	EGPRS (3)	Bottom	/	27.53	28	0.418	**0.47**	0.788	**0.88**	-0.06

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

Table 14.1-5: SAR Values (GSM 1900 MHz Band - Body)

Ambient Temperature: 22.9 ºC Liquid Temperature: 22.5ºC											
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 (3)	Front	/	27.91	29	0.122	**0.16**	0.211	**0.27**	0.03
810	1909.8	GPRS (3)	Rear	Fig.5	27.95	29	0.229	**0.29**	0.397	**0.51**	-0.03
661	1880	GPRS (3)	Rear	/	27.91	29	0.192	**0.25**	0.328	**0.42**	0.11
512	1850.2	GPRS (3)	Rear	/	27.82	29	0.173	**0.23**	0.294	**0.39**	0.08

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

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

Ambient Temperature: 22.9 ºC Liquid Temperature: 22.5ºC											
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	/	23.56	24	0.140	**0.15**	0.169	**0.19**	0.08
4182	836.4	Left	Tilt	/	23.56	24	0.115	**0.13**	0.151	**0.17**	-0.02
4233	846.6	Right	Touch	/	23.68	24	0.203	**0.22**	0.258	**0.28**	0.08
4182	836.4	Right	Touch	Fig.6	23.56	24	0.206	**0.23**	0.262	**0.29**	0.13
4132	826.4	Right	Touch	/	23.58	24	0.190	**0.21**	0.240	**0.26**	0.11
4182	836.4	Right	Tilt	/	23.56	24	0.115	**0.13**	0.149	**0.16**	0.09

Table 14.1-7: SAR Values (WCDMA 850 MHz Band - Body)

Ambient Temperature: 22.9 ℃ Liquid Temperature: 22.5℃										
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	/	23.56	24	0.213	**0.24**	0.381	**0.42**	0.09
4233	846.6	Rear	Fig.7	23.68	24	0.259	**0.28**	0.432	**0.47**	-0.09
4182	836.4	Rear	/	23.56	24	0.246	**0.27**	0.410	**0.45**	0.12
4132	826.4	Rear	/	23.58	24	0.255	**0.28**	0.421	**0.46**	0.06
4182	836.4	Left	/	23.56	24	0.059	**0.07**	0.098	**0.11**	-0.03
4182	836.4	Right	/	23.56	24	0.064	**0.07**	0.107	**0.12**	0.02
4182	836.4	Bottom	/	23.56	24	0.108	**0.12**	0.250	**0.28**	0.09

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

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

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										
1738	1752.6	Left	Touch	/	23.39	24	0.049	**0.06**	0.075	**0.09**	0.09
1637	1732.4	Left	Touch	/	23.41	24	0.072	**0.08**	0.113	**0.13**	-0.03
1537	1712.4	Left	Touch	Fig.8	23.55	24	0.088	**0.10**	0.133	**0.15**	0.01
1637	1732.4	Left	Tilt	/	23.41	24	0.023	**0.03**	0.038	**0.04**	0.03
1637	1732.4	Right	Touch	/	23.41	24	0.050	**0.06**	0.074	**0.08**	-0.09
1637	1732.4	Right	Tilt	/	23.41	24	0.026	**0.03**	0.043	**0.05**	0.02

Table 14.1-9: SAR Values (WCDMA 1700 MHz Band - Body)

Ambient Temperature: 22.9 ℃ Liquid Temperature: 22.5℃										
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	/	21.48	22	0.214	**0.24**	0.353	**0.40**	0.03
1738	1752.6	Rear	Fig.9	21.46	22	0.493	**0.56**	0.927	**1.05**	-0.03
1637	1732.4	Rear	/	21.48	22	0.454	**0.51**	0.851	**0.96**	0.11
1537	1712.4	Rear	/	21.49	22	0.369	**0.41**	0.700	**0.79**	0.09
1637	1732.4	Left	/	21.48	22	0.043	**0.05**	0.068	**0.08**	-0.02
1637	1732.4	Right	/	21.48	22	0.074	**0.08**	0.135	**0.15**	0.13
1637	1732.4	Bottom	/	21.48	22	0.317	**0.36**	0.567	**0.64**	0.06

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