	36RB-Low (0)	2682.5 (41515)	22.49	22.25	20.93
		2637.8(41068)	22.58	22.34	21.01
		2593 (40620)	22.65	22.41	21.08
		2548.3(40173)	22.55	22.31	20.99
		2503.5 (39725)	22.58	22.34	21.01
	75RB (0)	2682.5 (41515)	22.54	22.30	20.98
		2637.8(41068)	22.70	22.46	21.13
		2593 (40620)	22.74	22.50	21.16
		2548.3(40173)	22.63	22.39	21.06
		2503.5 (39725)	22.46	22.22	20.90
20MHz	1RB-High (99)	2680 (41490)	22.53	21.94	21.12
		2636.5(41055)	22.73	22.13	21.30
		2593 (40620)	22.83	22.23	21.40
		2549.5(40185)	22.58	21.99	21.16
		2506 (39750)	22.50	21.91	21.09
	1RB-Middle (50)	2680 (41490)	22.35	21.76	20.95
		2636.5(41055)	22.65	22.05	21.23
		2593 (40620)	22.58	21.99	21.16
		2549.5(40185)	22.43	21.84	21.02
		2506 (39750)	22.46	21.87	21.05
	1RB-Low (0)	2680 (41490)	22.57	21.98	21.15
		2636.5(41055)	22.79	22.19	21.36
		2593 (40620)	22.65	22.05	21.23
		2549.5(40185)	22.47	21.88	21.06
		2506 (39750)	22.55	21.96	21.13
	50RB-High (50)	2680 (41490)	22.67	22.07	21.25
		2636.5(41055)	22.81	22.21	21.38
		2593 (40620)	22.86	22.26	21.42
		2549.5(40185)	22.79	22.19	21.36
		2506 (39750)	22.59	21.99	21.17
	50RB-Middle (25)	2680 (41490)	22.74	22.14	21.31
		2636.5(41055)	22.85	22.25	21.41
		2593 (40620)	22.84	22.24	21.41
		2549.5(40185)	22.73	22.13	21.30
		2506 (39750)	22.61	22.01	21.19
	50RB-Low (0)	2680 (41490)	22.63	22.03	21.21
		2636.5(41055)	22.72	22.12	21.29
		2593 (40620)	22.79	22.19	21.36
		2549.5(40185)	22.69	22.09	21.27
		2506 (39750)	22.72	22.12	21.29
	100RB (0)	2680 (41490)	22.68	22.08	21.26
		2636.5(41055)	22.84	22.24	21.41

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		2593 (40620)	22.88	22.28	21.44
		2549.5(40185)	22.77	22.17	21.34
		2506 (39750)	22.60	22.00	21.18

LTE B66 SET1					
BANDWIDTH	Number of RBs	Frequency	QPSK	16QAM	64QAM
1.4MHz	1RB-High (5)	1779.3 (132665)	21.81	20.88	19.82
		1745 (132322)	21.64	20.72	19.66
		1710.7 (131979)	21.88	20.95	19.88
	1RB-Middle (3)	1779.3 (132665)	21.83	20.90	19.84
		1745 (132322)	22.18	21.23	20.15
		1710.7 (131979)	21.93	21.00	19.93
	1RB-Low (0)	1779.3 (132665)	21.58	20.66	19.61
		1745 (132322)	21.95	21.01	19.94
		1710.7 (131979)	22.02	21.08	20.01
	3RB-High (3)	1779.3 (132665)	20.67	19.79	18.78
		1745 (132322)	21.12	20.22	19.19
		1710.7 (131979)	20.87	19.98	18.96
	3RB-Middle (1)	1779.3 (132665)	20.73	19.85	18.84
		1745 (132322)	21.18	20.28	19.25
		1710.7 (131979)	20.86	19.97	18.96
	3RB-Low (0)	1779.3 (132665)	20.74	19.86	18.85
		1745 (132322)	21.15	20.25	19.22
		1710.7 (131979)	20.80	19.91	18.90
	6RB (0)	1779.3 (132665)	20.71	19.83	18.82
		1745 (132322)	21.13	20.23	19.20
		1710.7 (131979)	20.86	19.97	18.96
3MHz	1RB-High (14)	1778.5 (132657)	22.06	21.01	21.01
		1745 (132322)	21.89	20.84	20.85
		1711.5 (131987)	22.13	21.07	21.07
	1RB-Middle (7)	1778.5 (132657)	22.08	21.03	21.03
		1745 (132322)	22.43	21.36	21.36
		1711.5 (131987)	22.18	21.12	21.12
	1RB-Low (0)	1778.5 (132657)	21.83	20.79	20.79
		1745 (132322)	22.20	21.14	21.14
		1711.5 (131987)	22.27	21.21	21.21
	8RB-High (7)	1778.5 (132657)	20.90	19.90	19.90
		1745 (132322)	21.36	20.34	20.34
		1711.5 (131987)	21.11	20.10	20.10
	8RB-Middle (4)	1778.5 (132657)	20.97	19.97	19.97
		1745 (132322)	21.42	20.40	20.40
		1711.5 (131987)	21.10	20.09	20.09

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	8RB-Low (0)	1778.5 (132657)	20.98	19.98	19.98
		1745 (132322)	21.39	20.37	20.37
		1711.5 (131987)	21.04	20.04	20.04
	15RB (0)	1778.5 (132657)	20.95	19.95	19.95
		1745 (132322)	21.37	20.35	20.35
		1711.5 (131987)	21.10	20.09	20.09
5MHz	1RB-High (24)	1549.5 (132647)	21.83	20.99	19.88
		1745 (132322)	21.66	20.83	19.72
		1712.5 (131997)	21.90	21.06	19.94
	1RB-Middle (12)	1549.5 (132647)	21.85	21.01	19.90
		1745 (132322)	22.20	21.35	20.21
		1712.5 (131997)	21.95	21.11	19.99
	1RB-Low (0)	1549.5 (132647)	21.60	20.77	19.67
		1745 (132322)	21.97	21.13	20.01
		1712.5 (131997)	22.04	21.20	20.07
	12RB-High (13)	1549.5 (132647)	20.68	19.89	18.83
		1745 (132322)	21.14	20.33	19.25
		1712.5 (131997)	20.89	20.09	19.02
	12RB-Middle (6)	1549.5 (132647)	20.75	19.96	18.90
		1745 (132322)	21.20	20.39	19.31
		1712.5 (131997)	20.88	20.08	19.02
	12RB-Low (0)	1549.5 (132647)	20.76	19.97	18.91
		1745 (132322)	21.17	20.36	19.28
		1712.5 (131997)	20.82	20.02	18.96
	25RB (0)	1549.5 (132647)	20.73	19.94	18.88
		1745 (132322)	21.15	20.34	19.26
		1712.5 (131997)	20.88	20.08	19.02
10MHz	1RB-High (49)	1775 (132622)	21.96	20.84	19.95
		1745 (132322)	21.79	20.68	19.79
		1715 (132022)	22.03	20.91	20.01
	1RB-Middle (24)	1775 (132622)	21.98	20.86	19.96
		1745 (132322)	22.34	21.20	20.29
		1715 (132022)	22.09	20.97	20.06
	1RB-Low (0)	1775 (132622)	21.73	20.63	19.74
		1745 (132322)	22.11	20.99	20.08
		1715 (132022)	22.18	21.05	20.15
	25RB-High (25)	1775 (132622)	20.81	19.75	18.90
		1745 (132322)	21.27	20.19	19.32
		1715 (132022)	21.02	19.95	19.09
	25RB-Middle (12)	1775 (132622)	20.88	19.82	18.97
		1745 (132322)	21.33	20.25	19.38
		1715 (132022)	21.01	19.94	19.09

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	25RB-Low (0)	1775 (132622)	20.89	19.83	18.98
		1745 (132322)	21.30	20.22	19.35
		1715 (132022)	20.95	19.89	19.03
	50RB (0)	1775 (132622)	20.86	19.80	18.95
		1745 (132322)	21.28	20.20	19.33
		1715 (132022)	21.01	19.94	19.09
15MHz	1RB-High (74)	1772.5 (132597)	21.89	20.88	19.91
		1745 (132322)	21.72	20.72	19.75
		1717.5 (132047)	21.96	20.94	19.97
	1RB-Middle (37)	1772.5 (132597)	21.91	20.90	19.93
		1745 (132322)	22.27	21.24	20.25
		1717.5 (132047)	22.02	21.00	20.03
	1RB-Low (0)	1772.5 (132597)	21.66	20.66	19.70
		1745 (132322)	22.04	21.02	20.04
		1717.5 (132047)	22.11	21.09	20.11
	36RB-High (38)	1772.5 (132597)	20.74	19.78	18.86
		1745 (132322)	21.20	20.22	19.28
		1717.5 (132047)	20.95	19.98	19.05
	36RB-Middle (19)	1772.5 (132597)	20.81	19.85	18.93
		1745 (132322)	21.26	20.28	19.34
		1717.5 (132047)	20.94	19.97	19.05
	36RB-Low (0)	1772.5 (132597)	20.82	19.86	18.94
		1745 (132322)	21.23	20.25	19.31
		1717.5 (132047)	20.88	19.92	18.99
	75RB (0)	1772.5 (132597)	20.79	19.83	18.91
		1745 (132322)	21.21	20.23	19.29
		1717.5 (132047)	20.94	19.97	19.05
20MHz	1RB-High (99)	1770 (132572)	22.04	21.00	19.82
		1745 (132322)	21.87	20.84	19.67
		1720 (132072)	22.12	21.07	19.89
	1RB-Middle (50)	1770 (132572)	22.07	21.03	19.85
		1745 (132322)	22.18	21.37	20.17
		1720 (132072)	22.43	21.13	19.95
	1RB-Low (0)	1770 (132572)	21.81	20.78	19.61
		1745 (132322)	22.20	21.15	19.96
		1720 (132072)	22.27	21.22	20.03
	50RB-High (50)	1770 (132572)	20.89	19.90	18.79
		1745 (132322)	21.35	20.34	19.20
		1720 (132072)	21.10	20.10	18.98
	50RB-Middle (25)	1770 (132572)	20.96	19.97	18.85
		1745 (132322)	21.09	20.40	19.26
		1720 (132072)	21.41	20.09	18.97

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	50RB-Low (0)	1770 (132572)	20.97	19.98	18.86
		1745 (132322)	21.38	20.37	19.23
		1720 (132072)	21.03	20.04	18.91
	100RB (0)	1770 (132572)	20.94	19.95	18.83
		1745 (132322)	21.36	20.35	19.21
		1720 (132072)	21.09	20.09	18.97

LTE B2-SET2					
BANDWIDTH	Number of RBs	Frequency	QPSK	16QAM	64QAM
1.4MHz	1RB-High (5)	1909.3 (19193)	19.72	19.64	19.83
		1880 (18900)	19.60	19.52	19.71
		1850.7 (18607)	19.64	19.56	19.75
	1RB-Middle (3)	1909.3 (19193)	19.86	19.78	19.97
		1880 (18900)	19.61	19.53	19.72
		1850.7 (18607)	19.81	19.73	19.92
	1RB-Low (0)	1909.3 (19193)	19.75	19.67	19.86
		1880 (18900)	19.50	19.42	19.61
		1850.7 (18607)	19.81	19.73	19.92
	3RB-High (3)	1909.3 (19193)	19.95	19.87	20.06
		1880 (18900)	19.76	19.68	19.87
		1850.7 (18607)	19.70	19.62	19.81
	3RB-Middle (1)	1909.3 (19193)	19.88	19.80	19.99
		1880 (18900)	19.66	19.58	19.77
		1850.7 (18607)	19.80	19.72	19.91
	3RB-Low (0)	1909.3 (19193)	19.92	19.84	20.03
		1880 (18900)	19.62	19.54	19.73
		1850.7 (18607)	19.82	19.74	19.93
	6RB (0)	1909.3 (19193)	19.89	19.81	20.00
		1880 (18900)	19.68	19.60	19.79
		1850.7 (18607)	19.76	19.68	19.87
3MHz	1RB-High (14)	1908.5 (19185)	19.27	19.66	19.92
		1880 (18900)	19.15	19.54	19.80
		1851.5 (18615)	19.19	19.58	19.84
	1RB-Middle (7)	1908.5 (19185)	19.41	19.80	20.07
		1880 (18900)	19.16	19.55	19.81
		1851.5 (18615)	19.36	19.75	20.01
	1RB-Low (0)	1908.5 (19185)	19.30	19.69	19.95
		1880 (18900)	19.05	19.44	19.69
		1851.5 (18615)	19.36	19.75	20.01
	8RB-High (7)	1908.5 (19185)	19.49	19.89	20.15
		1880 (18900)	19.31	19.70	19.96
		1851.5 (18615)	19.25	19.64	19.90

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	8RB-Middle (4)	1908.5 (19185)	19.43	19.82	20.09
		1880 (18900)	19.21	19.60	19.86
		1851.5 (18615)	19.35	19.74	20.00
	8RB-Low (0)	1908.5 (19185)	19.46	19.85	20.12
		1880 (18900)	19.17	19.56	19.82
		1851.5 (18615)	19.37	19.76	20.03
	15RB (0)	1908.5 (19185)	19.44	19.83	20.10
		1880 (18900)	19.23	19.62	19.88
		1851.5 (18615)	19.31	19.70	19.96
5MHz	1RB-High (24)	1907.5 (19175)	19.81	19.87	19.51
		1880 (18900)	19.69	19.75	19.39
		1852.5 (18625)	19.73	19.79	19.43
	1RB-Middle (12)	1907.5 (19175)	19.95	20.01	19.65
		1880 (18900)	19.70	19.76	19.40
		1852.5 (18625)	19.90	19.96	19.60
	1RB-Low (0)	1907.5 (19175)	19.84	19.90	19.54
		1880 (18900)	19.58	19.64	19.28
		1852.5 (18625)	19.90	19.96	19.60
	12RB-High (13)	1907.5 (19175)	20.04	20.10	19.74
		1880 (18900)	19.85	19.91	19.55
		1852.5 (18625)	19.79	19.85	19.49
	12RB-Middle (6)	1907.5 (19175)	19.98	20.04	19.68
		1880 (18900)	19.75	19.81	19.45
		1852.5 (18625)	19.89	19.95	19.59
	12RB-Low (0)	1907.5 (19175)	20.01	20.07	19.71
		1880 (18900)	19.71	19.77	19.41
		1852.5 (18625)	19.91	19.97	19.61
	25RB (0)	1907.5 (19175)	19.99	20.05	19.69
		1880 (18900)	19.77	19.83	19.47
		1852.5 (18625)	19.85	19.91	19.55
10MHz	1RB-High (49)	1905 (19150)	19.52	19.79	20.08
		1880 (18900)	19.40	19.67	19.96
		1855 (18650)	19.44	19.71	20.00
	1RB-Middle (24)	1905 (19150)	19.66	19.93	20.23
		1880 (18900)	19.41	19.68	19.97
		1855 (18650)	19.61	19.88	20.17
	1RB-Low (0)	1905 (19150)	19.55	19.82	20.11
		1880 (18900)	19.29	19.56	19.85
		1855 (18650)	19.61	19.88	20.17
	25RB-High (25)	1905 (19150)	19.75	20.02	20.32
		1880 (18900)	19.56	19.83	20.12
		1855 (18650)	19.50	19.77	20.06

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	25RB-Middle (12)	1905 (19150)	19.69	19.96	20.26
		1880 (18900)	19.46	19.73	20.02
		1855 (18650)	19.60	19.87	20.16
	25RB-Low (0)	1905 (19150)	19.72	19.99	20.29
		1880 (18900)	19.42	19.69	19.98
		1855 (18650)	19.62	19.89	20.18
	50RB (0)	1905 (19150)	19.70	19.97	20.27
		1880 (18900)	19.48	19.75	20.04
		1855 (18650)	19.56	19.83	20.12
15MHz	1RB-High (74)	1902.5 (19125)	20.00	20.46	19.80
		1880 (18900)	19.88	19.87	19.68
		1857.5 (18675)	19.92	20.30	19.72
	1RB-Middle (37)	1902.5 (19125)	20.14	20.63	19.94
		1880 (18900)	19.89	19.89	19.69
		1857.5 (18675)	20.09	20.42	19.89
	1RB-Low (0)	1902.5 (19125)	20.03	20.53	19.83
		1880 (18900)	19.77	19.81	19.57
		1857.5 (18675)	20.09	20.40	19.89
	36RB-High (38)	1902.5 (19125)	20.24	20.18	20.04
		1880 (18900)	20.04	19.99	19.84
		1857.5 (18675)	19.98	20.01	19.78
	36RB-Middle (19)	1902.5 (19125)	20.18	20.11	19.98
		1880 (18900)	19.94	19.93	19.74
		1857.5 (18675)	20.08	20.09	19.88
	36RB-Low (0)	1902.5 (19125)	20.21	20.18	20.01
		1880 (18900)	19.90	19.91	19.70
		1857.5 (18675)	20.10	20.12	19.90
	75RB (0)	1902.5 (19125)	20.19	20.19	19.99
		1880 (18900)	19.96	19.96	19.76
		1857.5 (18675)	20.04	20.04	19.84
20MHz	1RB-High (99)	1900 (19100)	20.28	20.58	19.60
		1880 (18900)	20.13	20.41	19.45
		1860 (18700)	19.99	20.26	19.32
	1RB-Middle (50)	1900 (19100)	19.97	20.82	19.78
		1880 (18900)	20.30	20.58	19.62
		1860 (18700)	20.39	20.55	19.71
	1RB-Low (0)	1900 (19100)	20.13	20.01	19.45
		1880 (18900)	20.46	20.27	19.30
		1860 (18700)	20.17	20.38	19.49
	50RB-High (50)	1900 (19100)	20.34	20.17	19.66
		1880 (18900)	20.29	20.10	19.61
		1860 (18700)	20.06	19.82	19.38

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	50RB-Middle (25)	1900 (19100)	20.37	20.19	19.69
		1880 (18900)	20.45	19.96	19.49
		1860 (18700)	20.24	19.93	19.56
	50RB-Low (0)	1900 (19100)	20.17	20.20	19.77
		1880 (18900)	20.08	19.93	19.40
		1860 (18700)	20.28	20.01	19.60
	100RB (0)	1900 (19100)	20.42	20.23	19.74
		1880 (18900)	20.24	20.02	19.56
		1860 (18700)	20.20	20.00	19.52

LTE B7-SET2					
BANDWIDTH	Number of RBs	Frequency	QPSK	16QAM	64QAM
5MHz	1RB-High (24)	2567.5 (21425)	19.07	19.18	19.32
		2535 (21100)	19.20	19.31	19.45
		2502.5 (20775)	19.19	19.30	19.44
	1RB-Middle (12)	2567.5 (21425)	19.16	19.27	19.41
		2535 (21100)	19.24	19.35	19.49
		2502.5 (20775)	19.35	19.46	19.60
	1RB-Low (0)	2567.5 (21425)	19.16	19.27	19.41
		2535 (21100)	19.13	19.24	19.38
		2502.5 (20775)	19.23	19.34	19.48
	12RB-High (13)	2567.5 (21425)	19.12	19.23	19.37
		2535 (21100)	19.35	19.46	19.60
		2502.5 (20775)	19.31	19.42	19.56
	12RB-Middle (6)	2567.5 (21425)	19.20	19.31	19.45
		2535 (21100)	19.27	19.38	19.52
		2502.5 (20775)	19.27	19.38	19.52
	12RB-Low (0)	2567.5 (21425)	19.20	19.31	19.45
		2535 (21100)	19.26	19.37	19.51
		2502.5 (20775)	19.21	19.32	19.46
	25RB (0)	2567.5 (21425)	19.14	19.25	19.39
		2535 (21100)	19.33	19.44	19.58
		2502.5 (20775)	19.22	19.33	10.52
10MHz	1RB-High (49)	2565 (21400)	19.15	19.21	19.28
		2535 (21100)	19.28	19.34	19.41
		2505 (20800)	19.27	19.33	19.40
	1RB-Middle (24)	2565 (21400)	19.24	19.30	19.37
		2535 (21100)	19.32	19.38	19.45
		2505 (20800)	19.43	19.49	19.56
	1RB-Low (0)	2565 (21400)	19.24	19.30	19.37
		2535 (21100)	19.21	19.27	19.34
		2505 (20800)	19.31	19.37	19.44

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	25RB-High (25)	2565 (21400)	19.20	19.26	19.33
		2535 (21100)	19.43	19.49	19.56
		2505 (20800)	19.39	19.45	19.52
	25RB-Middle (12)	2565 (21400)	19.28	19.34	19.41
		2535 (21100)	19.35	19.41	19.48
		2505 (20800)	19.35	19.41	19.48
	25RB-Low (0)	2565 (21400)	19.28	19.34	19.41
		2535 (21100)	19.34	19.40	19.47
		2505 (20800)	19.29	19.35	19.42
	50RB (0)	2565 (21400)	19.22	19.28	19.35
		2535 (21100)	19.41	19.47	19.54
		2505 (20800)	19.30	19.36	19.43
15MHz	1RB-High (74)	2562.5 (21375)	20.22	20.70	19.11
		2535 (21100)	20.35	20.46	19.23
		2507.5 (20825)	20.34	20.79	19.22
	1RB-Middle (37)	2562.5 (21375)	20.31	20.86	19.19
		2535 (21100)	20.40	20.52	19.28
		2507.5 (20825)	20.51	20.96	19.38
	1RB-Low (0)	2562.5 (21375)	20.31	20.81	19.19
		2535 (21100)	20.28	20.40	19.16
		2507.5 (20825)	20.38	20.78	19.26
	36RB-High (38)	2562.5 (21375)	20.27	20.23	19.15
		2535 (21100)	20.51	20.57	19.38
		2507.5 (20825)	20.47	20.37	19.34
	36RB-Middle (19)	2562.5 (21375)	20.35	20.33	19.23
		2535 (21100)	20.43	20.49	19.30
		2507.5 (20825)	20.43	20.85	19.30
	36RB-Low (0)	2562.5 (21375)	20.35	20.34	19.23
		2535 (21100)	20.42	20.46	19.29
		2507.5 (20825)	20.36	20.35	19.24
	75RB (0)	2562.5 (21375)	20.29	20.32	19.17
		2535 (21100)	20.49	20.51	19.36
		2507.5 (20825)	20.37	20.39	19.25
20MHz	1RB-High (99)	2560 (21350)	20.18	20.79	19.15
		2535 (21100)	20.34	20.94	19.31
		2510 (20850)	20.20	20.71	19.17
	1RB-Middle (50)	2560 (21350)	20.50	21.05	19.46
		2535 (21100)	20.31	21.16	19.53
		2510 (20850)	20.48	21.03	19.52
	1RB-Low (0)	2560 (21350)	20.58	20.85	19.28
		2535 (21100)	20.50	20.84	19.22
		2510 (20850)	20.57	20.67	19.16

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	50RB-High (50)	2560 (21350)	20.20	20.27	19.17
		2535 (21100)	20.49	20.55	19.45
		2510 (20850)	20.26	20.31	19.23
	50RB-Middle (25)	2560 (21350)	20.35	20.41	19.32
		2535 (21100)	20.42	20.57	19.46
		2510 (20850)	20.40	20.40	19.36
	50RB-Low (0)	2560 (21350)	20.50	20.49	19.38
		2535 (21100)	20.46	20.52	19.42
		2510 (20850)	20.34	20.36	19.31
	100RB (0)	2560 (21350)	20.33	20.39	19.30
		2535 (21100)	20.50	20.59	19.46
		2510 (20850)	20.35	20.35	19.32

LTE B41-SET2					
BANDWIDTH	Number of RBs	Frequency	QPSK	16QAM	64QAM
5MHz	1RB-High (24)	2687.5 (41565)	21.07	21.57	21.36
		2640.3(41093)	21.33	21.84	21.62
		2593 (40620)	21.28	21.78	21.57
		2545.8(40148)	21.17	21.67	21.46
		2498.5 (39675)	21.32	21.83	21.61
	1RB-Middle (12)	2687.5 (41565)	21.21	21.71	21.50
		2640.3(41093)	21.42	21.93	21.72
		2593 (40620)	21.38	21.89	21.67
		2545.8(40148)	21.14	21.64	21.43
		2498.5 (39675)	21.22	21.72	21.51
	1RB-Low (0)	2687.5 (41565)	21.12	21.62	21.41
		2640.3(41093)	21.32	21.83	21.61
		2593 (40620)	21.28	21.78	21.57
		2545.8(40148)	21.22	21.72	21.51
		2498.5 (39675)	21.37	21.88	21.66
	12RB-High (13)	2687.5 (41565)	21.32	21.83	21.61
		2640.3(41093)	21.33	21.84	21.62
		2593 (40620)	21.35	21.86	21.64
		2545.8(40148)	21.26	21.76	21.55
		2498.5 (39675)	21.33	21.84	21.62
	12RB-Middle (6)	2687.5 (41565)	21.35	21.86	21.64
		2640.3(41093)	21.31	21.82	21.60
		2593 (40620)	21.36	21.87	21.65
		2545.8(40148)	21.29	21.80	21.58
		2498.5 (39675)	21.41	21.92	21.71
	12RB-Low (0)	2687.5 (41565)	21.35	21.86	21.64

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		2640.3(41093)	21.34	21.85	21.63
		2593 (40620)	21.39	21.90	21.68
		2545.8(40148)	21.39	21.90	21.68
		2498.5 (39675)	21.43	21.94	21.73
	25RB (0)	2687.5 (41565)	21.34	21.85	21.63
		2640.3(41093)	21.33	21.84	21.62
		2593 (40620)	21.39	21.90	21.68
		2545.8(40148)	21.20	21.70	21.49
		2498.5 (39675)	21.08	21.58	21.37
10MHz	1RB-High (49)	2685 (41540)	20.53	20.25	20.16
		2639(41080)	20.78	20.50	20.40
		2593 (40620)	20.73	20.45	20.35
		2547(40160)	20.63	20.35	20.25
		2501 (39700)	20.77	20.49	20.39
	1RB-Middle (24)	2685 (41540)	20.67	20.39	20.29
		2639(41080)	20.87	20.59	20.49
		2593 (40620)	20.83	20.55	20.45
		2547(40160)	20.60	20.32	20.22
		2501 (39700)	20.68	20.40	20.30
	1RB-Low (0)	2685 (41540)	20.58	20.30	20.21
		2639(41080)	20.77	20.49	20.39
		2593 (40620)	20.73	20.45	20.35
		2547(40160)	20.68	20.40	20.30
		2501 (39700)	20.82	20.54	20.44
	25RB-High (25)	2685 (41540)	20.77	20.49	20.39
		2639(41080)	20.78	20.50	20.40
		2593 (40620)	20.80	20.52	20.42
		2547(40160)	20.72	20.44	20.34
		2501 (39700)	20.78	20.50	20.40
	25RB-Middle (12)	2685 (41540)	20.80	20.52	20.42
		2639(41080)	20.76	20.48	20.38
		2593 (40620)	20.81	20.53	20.43
		2547(40160)	20.74	20.46	20.36
		2501 (39700)	20.86	20.58	20.48
	25RB-Low (0)	2685 (41540)	20.80	20.52	20.42
		2639(41080)	20.79	20.51	20.41
		2593 (40620)	20.84	20.56	20.46
		2547(40160)	20.84	20.56	20.46
		2501 (39700)	20.88	20.60	20.50
	50RB (0)	2685 (41540)	20.79	20.51	20.41
		2639(41080)	20.78	20.50	20.40
		2593 (40620)	20.84	20.56	20.46

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		2547(40160)	20.66	20.38	20.28
		2501 (39700)	20.54	20.26	20.17
15MHz	1RB-High (74)	2682.5 (41515)	21.12	21.35	21.28
		2637.8(41068)	20.98	21.60	21.14
		2593 (40620)	21.24	21.39	21.40
		2548.3(40173)	21.19	21.45	21.35
		2503.5 (39725)	21.09	21.71	21.25
	1RB-Middle (37)	2682.5 (41515)	21.23	21.41	21.39
		2637.8(41068)	21.13	21.66	21.29
		2593 (40620)	21.33	21.51	21.49
		2548.3(40173)	21.29	21.54	21.45
		2503.5 (39725)	21.05	21.28	21.21
	1RB-Low (0)	2682.5 (41515)	21.14	21.41	21.30
		2637.8(41068)	21.03	21.61	21.19
		2593 (40620)	21.23	21.48	21.39
		2548.3(40173)	21.19	21.42	21.35
		2503.5 (39725)	21.14	21.64	21.30
	36RB-High (38)	2682.5 (41515)	21.28	20.21	21.44
		2637.8(41068)	21.23	20.28	21.39
		2593 (40620)	21.24	20.28	21.40
		2548.3(40173)	21.26	20.32	21.42
		2503.5 (39725)	21.18	20.32	21.34
	36RB-Middle (19)	2682.5 (41515)	21.24	20.21	21.40
		2637.8(41068)	21.26	20.31	21.42
		2593 (40620)	21.22	20.29	21.38
		2548.3(40173)	21.27	20.31	21.43
		2503.5 (39725)	21.20	20.33	21.36
	36RB-Low (0)	2682.5 (41515)	21.32	20.21	21.48
		2637.8(41068)	21.26	20.33	21.42
		2593 (40620)	21.25	21.48	21.41
		2548.3(40173)	21.30	20.29	21.46
		2503.5 (39725)	21.30	20.32	21.46
	75RB (0)	2682.5 (41515)	21.34	20.26	21.50
		2637.8(41068)	21.25	20.38	21.41
		2593 (40620)	21.24	20.27	21.40
		2548.3(40173)	21.30	20.32	21.46
		2503.5 (39725)	21.19	20.34	21.35
20MHz	1RB-High (99)	2680 (41490)	21.06	21.36	21.25
		2636.5(41055)	21.25	21.28	21.44
		2593 (40620)	21.35	21.50	21.54
		2549.5(40185)	21.11	21.45	21.30
		2506 (39750)	21.03	21.35	21.22

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	1RB-Middle (50)	2680 (41490)	20.89	21.63	21.08
		2636.5(41055)	21.17	21.62	21.36
		2593 (40620)	21.11	21.83	21.30
		2549.5(40185)	20.96	21.75	21.15
		2506 (39750)	20.99	21.68	21.18
	1RB-Low (0)	2680 (41490)	21.10	21.30	21.29
		2636.5(41055)	21.31	21.34	21.50
		2593 (40620)	21.17	21.54	21.36
		2549.5(40185)	21.00	21.45	21.19
		2506 (39750)	21.08	21.29	21.27
	50RB-High (50)	2680 (41490)	21.19	20.10	21.38
		2636.5(41055)	21.33	20.22	21.52
		2593 (40620)	21.38	20.23	21.57
		2549.5(40185)	21.31	20.28	21.50
		2506 (39750)	21.12	20.24	21.31
	50RB-Middle (25)	2680 (41490)	21.26	20.17	21.45
		2636.5(41055)	21.37	20.30	21.56
		2593 (40620)	21.36	20.29	21.55
		2549.5(40185)	21.25	20.26	21.44
		2506 (39750)	21.14	20.36	21.33
	50RB-Low (0)	2680 (41490)	21.16	20.10	21.35
		2636.5(41055)	21.24	20.28	21.43
		2593 (40620)	21.31	20.31	21.50
		2549.5(40185)	21.21	20.21	21.40
		2506 (39750)	21.24	20.37	21.43
	100RB (0)	2680 (41490)	21.20	20.17	21.39
		2636.5(41055)	21.36	20.30	21.55
		2593 (40620)	21.39	20.28	21.58
		2549.5(40185)	21.29	20.26	21.48
		2506 (39750)	21.13	20.23	21.32

LTE B66-SET2					
BANDWIDTH	Number of RBs	Frequency	QPSK	16QAM	64QAM
1.4MHz	1RB-High (5)	1779.3 (132665)	19.00	19.07	18.99
		1745 (132322)	18.86	18.93	18.85
		1710.7 (131979)	19.07	19.14	19.06
	1RB-Middle (3)	1779.3 (132665)	19.08	19.15	19.07
		1745 (132322)	19.36	19.43	19.35
		1710.7 (131979)	19.06	19.13	19.05
	1RB-Low (0)	1779.3 (132665)	18.78	18.85	18.77
		1745 (132322)	19.09	19.16	19.08

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		1710.7 (131979)	19.17	19.24	19.16
	3RB-High (3)	1779.3 (132665)	18.84	18.91	18.83
		1745 (132322)	19.26	19.33	19.25
		1710.7 (131979)	19.08	19.15	19.07
	3RB-Middle (1)	1779.3 (132665)	18.90	18.97	18.89
		1745 (132322)	19.37	19.44	19.36
		1710.7 (131979)	19.07	19.14	19.06
	3RB-Low (0)	1779.3 (132665)	18.94	19.01	18.93
		1745 (132322)	19.31	19.38	19.30
		1710.7 (131979)	19.02	19.09	19.01
	6RB (0)	1779.3 (132665)	18.91	18.98	18.90
		1745 (132322)	19.30	19.37	19.29
		1710.7 (131979)	19.07	19.14	19.06
3MHz	1RB-High (14)	1778.5 (132657)	19.01	19.17	19.08
		1745 (132322)	18.87	19.03	18.94
		1711.5 (131987)	19.08	19.24	19.15
	1RB-Middle (7)	1778.5 (132657)	19.09	19.25	19.16
		1745 (132322)	19.37	19.53	19.44
		1711.5 (131987)	19.07	19.23	19.14
	1RB-Low (0)	1778.5 (132657)	18.79	18.95	18.86
		1745 (132322)	19.10	19.26	19.17
		1711.5 (131987)	19.18	19.34	19.25
	8RB-High (7)	1778.5 (132657)	18.85	19.01	18.92
		1745 (132322)	19.27	19.43	19.34
		1711.5 (131987)	19.09	19.25	19.16
	8RB-Middle (4)	1778.5 (132657)	18.91	19.07	18.98
		1745 (132322)	19.38	19.54	19.45
		1711.5 (131987)	19.08	19.24	19.15
	8RB-Low (0)	1778.5 (132657)	18.95	19.11	19.02
		1745 (132322)	19.32	19.48	19.39
		1711.5 (131987)	19.03	19.19	19.10
	15RB (0)	1778.5 (132657)	18.92	19.08	18.99
		1745 (132322)	19.31	19.47	19.38
		1711.5 (131987)	19.08	19.24	19.15
5MHz	1RB-High (24)	1549.5 (132647)	19.15	19.20	19.01
		1745 (132322)	19.01	19.06	18.87
		1712.5 (131997)	19.22	19.27	19.08
	1RB-Middle (12)	1549.5 (132647)	19.23	19.28	19.09
		1745 (132322)	19.51	19.56	19.37
		1712.5 (131997)	19.21	19.26	19.07
	1RB-Low (0)	1549.5 (132647)	18.93	18.98	18.79
		1745 (132322)	19.24	19.29	19.10

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		1712.5 (131997)	19.32	19.37	19.18
	12RB-High (13)	1549.5 (132647)	18.99	19.04	18.85
		1745 (132322)	19.41	19.46	19.27
		1712.5 (131997)	19.23	19.28	19.09
	12RB-Middle (6)	1549.5 (132647)	19.05	19.10	18.91
		1745 (132322)	19.52	19.57	19.38
		1712.5 (131997)	19.22	19.27	19.08
	12RB-Low (0)	1549.5 (132647)	19.09	19.14	18.95
		1745 (132322)	19.46	19.51	19.32
		1712.5 (131997)	19.17	19.22	19.03
	25RB (0)	1549.5 (132647)	19.06	19.11	18.92
		1745 (132322)	19.45	19.50	19.31
		1712.5 (131997)	19.22	19.27	19.08
10MHz	1RB-High (49)	1775 (132622)	19.12	19.18	19.19
		1745 (132322)	18.98	19.04	19.04
		1715 (132022)	19.19	19.25	19.26
	1RB-Middle (24)	1775 (132622)	19.20	19.26	19.27
		1745 (132322)	19.48	19.54	19.55
		1715 (132022)	19.18	19.24	19.25
	1RB-Low (0)	1775 (132622)	18.90	18.96	18.97
		1745 (132322)	19.21	19.27	19.28
		1715 (132022)	19.29	19.35	19.36
	25RB-High (25)	1775 (132622)	18.96	19.02	19.03
		1745 (132322)	19.38	19.44	19.45
		1715 (132022)	19.20	19.26	19.27
	25RB-Middle (12)	1775 (132622)	19.02	19.08	19.09
		1745 (132322)	19.49	19.55	19.56
		1715 (132022)	19.19	19.25	19.26
	25RB-Low (0)	1775 (132622)	19.06	19.12	19.13
		1745 (132322)	19.43	19.49	19.50
		1715 (132022)	19.14	19.20	19.21
	50RB (0)	1775 (132622)	19.03	19.09	19.10
		1745 (132322)	19.42	19.48	19.49
		1715 (132022)	19.19	19.25	19.26
15MHz	1RB-High (74)	1772.5 (132597)	19.79	19.11	19.07
		1745 (132322)	19.64	18.96	18.93
		1717.5 (132047)	19.86	19.17	19.14
	1RB-Middle (37)	1772.5 (132597)	19.87	19.18	19.15
		1745 (132322)	20.16	19.47	19.43
		1717.5 (132047)	19.85	19.16	19.13
	1RB-Low (0)	1772.5 (132597)	19.56	18.88	18.85
		1745 (132322)	19.88	19.19	19.16

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		1717.5 (132047)	19.97	19.28	19.25
	36RB-High (38)	1772.5 (132597)	19.62	18.95	18.91
		1745 (132322)	20.06	19.37	19.33
		1717.5 (132047)	19.87	19.18	19.15
	36RB-Middle (19)	1772.5 (132597)	19.69	19.01	18.98
		1745 (132322)	20.17	19.48	19.44
		1717.5 (132047)	19.86	19.17	19.14
	36RB-Low (0)	1772.5 (132597)	19.73	19.05	19.01
		1745 (132322)	20.11	19.42	19.38
		1717.5 (132047)	19.81	19.13	19.09
	75RB (0)	1772.5 (132597)	19.70	19.02	18.99
		1745 (132322)	20.10	19.41	19.37
		1717.5 (132047)	19.86	19.17	19.14
20MHz	1RB-High (99)	1770 (132572)	19.68	20.14	19.10
		1745 (132322)	19.53	19.99	18.95
		1720 (132072)	19.75	20.21	19.17
	1RB-Middle (50)	1770 (132572)	19.76	20.22	19.18
		1745 (132322)	19.74	20.52	19.46
		1720 (132072)	20.05	20.20	19.16
	1RB-Low (0)	1770 (132572)	19.45	19.90	18.88
		1745 (132322)	19.77	20.23	19.19
		1720 (132072)	19.86	20.32	19.27
	50RB-High (50)	1770 (132572)	19.51	19.97	18.93
		1745 (132322)	19.95	20.42	19.36
		1720 (132072)	19.76	20.22	19.18
	50RB-Middle (25)	1770 (132572)	19.58	20.04	19.00
		1745 (132322)	20.06	20.53	19.47
		1720 (132072)	19.75	20.21	19.17
	50RB-Low (0)	1770 (132572)	19.62	20.08	19.04
		1745 (132322)	20.00	20.47	19.41
		1720 (132072)	19.70	20.16	19.12
	100RB (0)	1770 (132572)	19.59	20.05	19.01
		1745 (132322)	19.99	20.46	19.40
		1720 (132072)	19.75	20.21	19.17

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11.4 Wi-Fi and BT Measurement result

The maximum tune up of BT antenna is 9.5dBm.

Antenna	Receiver on, Hotspot off Transmit alone (Head scenario)	Receiver off, Hotspot off Transmit alone (Body scenario)	Receiver on, Hotspot off Simultaneous transmission (Head scenario)	Receiver on, Hotspot on Simultaneous transmission (Body scenario)	Receiver off, Hotspot off Simultaneous transmission (Body scenario)
Power	SET 0	SET 4	SET 1	SET 2	SET 3

WiFi 2.4G SET0/4		
802.11b	Channel\data rate	1Mbps
WLAN2450	11(2462MHz)	17.82
	6(2437(MHz)	17.58
	1(2412MHz)	17.78
Tuneup		18.00
802.11g	Channel\data rate	6Mbps
WLAN2450	11(2462MHz)	17.38
	6(2437(MHz)	17.55
	1(2412MHz)	17.34
Tuneup		18.00
802.11n-20MHz	Channel\data rate	MCS0
WLAN2450	11(2462MHz)	17.36
	6(2437(MHz)	17.38
	1(2412MHz)	17.41
Tuneup		18.00
802.11n-40MHz	Channel\data rate	MCS0
WLAN2450	9(2452MHz)	16.85
	6(2437MHz)	16.65
	3(2422MHz)	16.34
Tuneup		17.00

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WiFi 2.4G SET1/2/3		
802.11b	Channel\data rate	1Mbps
WLAN2450	11(2462MHz)	15.96
	6(2437(MHz)	15.93
	1(2412MHz)	15.88
Tuneup		16.00
802.11g	Channel\data rate	6Mbps
WLAN2450	11(2462MHz)	15.38
	6(2437(MHz)	15.42
	1(2412MHz)	15.57
Tuneup		16.00
802.11n-20MHz	Channel\data rate	MCS0
WLAN2450	11(2462MHz)	15.51
	6(2437(MHz)	15.47
	1(2412MHz)	15.48
Tuneup		16.00
802.11n-40MHz	Channel\data rate	MCS0
WLAN2450	9(2452MHz)	15.77
	6(2437MHz)	15.94
	3(2422MHz)	15.48
Tuneup		16.00

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WiFi 5G 802.11a(dBm) SET1/2/3	
Channel\data rate	6Mbps
36(5180 MHz)	14.12
40(5200 MHz)	14.36
44(5220 MHz)	14.44
48(5240 MHz)	14.87
52(5260 MHz)	14.06
56(5280 MHz)	14.15
60(5300 MHz)	14.07
64(5320 MHz)	14.08
100(5500 MHz)	14.66
104(5520 MHz)	14.45
108(5540 MHz)	14.52
112(5560 MHz)	14.45
116(5580 MHz)	14.78
120(5600 MHz)	14.86
124(5620 MHz)	15.14
128(5640 MHz)	14.89
132(5660 MHz)	14.79
136(5680 MHz)	14.76
140(5700 MHz)	14.93
144(5720 MHz)	14.72
149(5745 MHz)	15.37
153(5765 MHz)	15.55
157(5785 MHz)	15.92
161(5805 MHz)	15.73
165(5825 MHz)	15.45
Tune up	16.00

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WiFi 5G 802.11a(dBm) SET0/4	
Channel\data rate	6Mbps
36(5180 MHz)	16.18
40(5200 MHz)	16.53
44(5220 MHz)	16.16
48(5240 MHz)	16.38
52(5260 MHz)	15.64
56(5280 MHz)	15.81
60(5300 MHz)	15.74
64(5320 MHz)	15.67
100(5500 MHz)	16.25
104(5520 MHz)	16.12
108(5540 MHz)	16.06
112(5560 MHz)	16.19
116(5580 MHz)	16.68
120(5600 MHz)	16.55
124(5620 MHz)	16.68
128(5640 MHz)	16.66
132(5660 MHz)	16.63
136(5680 MHz)	16.31
140(5700 MHz)	16.38
144(5720 MHz)	16.44
149(5745 MHz)	16.99
153(5765 MHz)	17.09
157(5785 MHz)	17.23
161(5805 MHz)	17.34
165(5825 MHz)	17.38
Tune up	17.50

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12 SAR Measurement Positions

12.1 SAR Measurement Positions

According to the KDB941225 D06 Hot Spot SAR, 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	Right	Top	Bottom
Bottom ANT	Yes	Yes	Yes	Yes	No	Yes
Top ANT	Yes	Yes	Yes	Yes	Yes	No
WiFi ANT	Yes	Yes	Yes	No	Yes	No

13 Evaluation of Simultaneous

Table 13.1: The sum of SAR values for Main antenna + WiFi-2.4G (1g)

	Position	Main antenna	WiFi-2.4G	Sum
Highest SAR value for Head	Left head, Cheek (LTE B13)	0.84	0.36	**1.2**
Highest SAR value for Body	Bottom Edge 10mm (LTE B7)	0.83	/	**0.83**

Table 13.2: The sum of SAR values for Main antenna + WiFi-5G (1g)

	Position	Main antenna	WiFi-5G	Sum
Highest SAR value for Head	Left head, Cheek (LTE B13)	0.84	0.48	**1.32**
Highest SAR value for Body	Rear 10mm (WCDMA850)	0.64	0.53	**1.17**

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14 SAR Test Result

It is determined by user manual for the distance between the EUT and the phantom bottom. The distance is 10/15 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-g SAR 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
GPRS&EGPRS for GSM 850/1900	1:4
WCDMA&LTE FDD	1:1
LTE TDD	1:1.58

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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: The evaluation of Multi-batteries for Head Test

Frequency		Side	Test Position	Battery	SAR(1g) (W/kg)	Power Drift(dB)
MHz	Ch.					
1732.4	1412	Left	Touch	B1	0.085	0.16
1732.4	1412	Left	Touch	B2	0.079	-0.18

Note: According to the values in the above table, the **B1** is the primary battery.

We'll perform the head measurement with the **B1** and retest on highest value point with others.

Table 14.2: The evaluation of Multi-batteries for Body Test

Frequency		Position	Battery	SAR(1g) (W/kg)	Power Drift
MHz	Channel				
1732.5	1412	Rear 10mm	B1	0.475	0.04
1732.5	1412	Rear 10mm	B2	0.466	0.08

Note: According to the values in the above table, the **B1** is the primary battery.

We'll perform the head measurement with the **B1** and retest on highest value point with others.

Table 14.3: The evaluation of Multi-batteries for Head Test

Frequency		Side	Test Position	Battery	SAR(1g) (W/kg)	Power Drift(dB)
MHz	Ch.					
1907.6	9538	Right	Touch	SIM1	0.135	-0.17
1907.6	9538	Right	Touch	SIM2	0.120	-0.17

Note: According to the values in the above table, the **SIM1** is the primary slot.

We'll perform the head measurement with the **SIM1**and retest on highest value point with others.

Table 14.4: The evaluation of Multi-batteries for Body Test

Frequency		Position	Battery	SAR(1g) (W/kg)	Power Drift
MHz	Channel				
1732.5	1412	Rear 10mm	SIM1	0.475	0.04
1732.5	1412	Rear 10mm	SIM2	0.460	-0.16

Note: According to the values in the above table, the **SIM1** is the primary slot.

We'll perform the head measurement with the **SIM1** and retest on highest value point with others.

Note

B1: The battery of CAC4900009CA by TIANMAO

B2: The battery of CAC4900007C7 by VEKEN

SS: Single SIM card slot

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14.1 SAR results for 2G/3G/4G

RF Exposure Conditions	Frequency Band	Channel Number	Frequency (MHz)	Mode/RB	Test Position	Distance	Figure No./Note	EUT Measured Power (dBm)	Tune up (dBm)	Measured SAR 1g (W/kg)	Calculated SAR 1g (W/kg)	Measured SAR 10g (W/kg)	Calculated SAR 10g (W/kg)	Power Drift
Head	GSM850	190	836.6	2TX	Left Cheek	0mm	\	28.51	30.00	0.104	0.15	0.082	0.12	0.05
Head	GSM850	128	824.2	2TX	Left Cheek	0mm	\	28.55	30.00	0.098	0.14	0.075	0.10	-0.18
Head	GSM850	251	848.8	2TX	Left Cheek	0mm	Fig.A1	28.57	30.00	0.129	0.18	0.099	0.14	0.13
Head	GSM850	190	836.6	2TX	Left Tilt	0mm	\	28.51	30.00	0.031	0.04	0.020	0.03	0.18
Head	GSM850	190	836.6	2TX	Right Cheek	0mm	\	28.51	30.00	0.085	0.12	0.068	0.10	-0.13
Head	GSM850	190	836.6	2TX	Right Tilt	0mm	\	28.51	30.00	0.023	0.03	0.019	0.03	-0.11
Head	GSM850	251	848.8	2TX	Left Cheek	0mm	SS	28.57	30.00	0.127	0.18	0.094	0.13	0.12
Head	GSM850	251	848.8	2TX	Left Cheek	0mm	SIM2	28.57	30.00	0.122	0.17	0.085	0.12	0.02
Head	GSM850	251	848.8	2TX	Left Cheek	0mm	B2	28.57	30.00	0.123	0.17	0.091	0.13	0.13
RF Exposure Conditions	Frequency Band	Channel Number	Frequency (MHz)	Mode/RB	Test Position	Distance	Figure No./Note	EUT Measured Power (dBm)	Tune up (dBm)	Measured SAR 1g (W/kg)	Calculated SAR 1g (W/kg)	Measured SAR 10g (W/kg)	Calculated SAR 10g (W/kg)	Power Drift
Body	GSM850	190	836.6	2TX	Front	10mm	\	28.51	30.00	0.061	0.09	0.037	0.05	0.12
Body	GSM850	251	848.8	2TX	Rear	10mm	Fig.A2	28.57	30.00	0.090	0.13	0.056	0.08	0.01
Body	GSM850	190	836.6	2TX	Rear	10mm	\	28.51	30.00	0.076	0.11	0.046	0.06	-0.15
Body	GSM850	128	824.2	2TX	Rear	10mm	\	28.55	30.00	0.064	0.09	0.039	0.05	-0.16
Body	GSM850	190	836.6	2TX	Left Edge	10mm	\	28.51	30.00	0.043	0.06	0.025	0.04	-0.04
Body	GSM850	190	836.6	2TX	Right Edge	10mm	\	28.51	30.00	0.023	0.03	0.019	0.03	0.12
Body	GSM850	190	836.6	2TX	Bottom Edge	10mm	\	28.51	30.00	0.039	0.05	0.021	0.03	-0.17
Body	GSM850	251	848.8	2TX	Rear	10mm	SS	28.57	30.00	0.084	0.12	0.050	0.07	0.01
Body	GSM850	251	848.8	2TX	Rear	10mm	SIM2	28.57	30.00	0.081	0.11	0.052	0.07	0.02
Body	GSM850	251	848.8	2TX	Rear	10mm	B2	28.57	30.00	0.084	0.12	0.051	0.07	0.10
RF Exposure Conditions	Frequency Band	Channel Number	Frequency (MHz)	Mode/RB	Test Position	Distance	Figure No./Note	EUT Measured Power (dBm)	Tune up (dBm)	Measured SAR 1g (W/kg)	Calculated SAR 1g (W/kg)	Measured SAR 10g (W/kg)	Calculated SAR 10g (W/kg)	Power Drift
Head	GSM1900	661	1880	2TX	Left Cheek	0mm	\	28.59	29.50	0.095	0.12	0.060	0.07	-0.02
Head	GSM1900	661	1880	2TX	Left Tilt	0mm	\	28.59	29.50	0.073	0.09	0.047	0.06	0.13
Head	GSM1900	661	1880	2TX	Right Cheek	0mm	\	28.59	29.50	0.085	0.10	0.057	0.07	0.13
Head	GSM1900	661	1880	2TX	Right Tilt	0mm	\	28.59	29.50	0.103	0.13	0.062	0.08	-0.19
Head	GSM1900	810	1909.8	2TX	Right Tilt	0mm	Fig.A3	28.57	29.50	0.136	0.17	0.084	0.10	-0.05
Head	GSM1900	512	1850.2	2TX	Right Tilt	0mm	\	28.63	29.50	0.077	0.09	0.047	0.06	0.17
Head	GSM1900	810	1909.8	2TX	Right Tilt	0mm	SS	28.57	29.50	0.120	0.15	0.077	0.10	0.20
Head	GSM1900	810	1909.8	2TX	Right Tilt	0mm	SIM2	28.57	29.50	0.131	0.16	0.080	0.10	0.12
Head	GSM1900	810	1909.8	2TX	Right Tilt	0mm	B2	28.57	29.50	0.131	0.16	0.081	0.10	-0.17
RF Exposure Conditions	Frequency Band	Channel Number	Frequency (MHz)	Mode/RB	Test Position	Distance	Figure No./Note	EUT Measured Power (dBm)	Tune up (dBm)	Measured SAR 1g (W/kg)	Calculated SAR 1g (W/kg)	Measured SAR 10g (W/kg)	Calculated SAR 10g (W/kg)	Power Drift
Body	GSM1900	661	1880	2TX	Front	10mm	\	25.56	27.50	0.113	0.18	0.070	0.11	-0.11
Body	GSM1900	661	1880	2TX	Rear	10mm	Fig.A4	25.56	27.50	0.227	0.35	0.134	0.21	-0.21
Body	GSM1900	810	1909.8	2TX	Rear	10mm	\	25.57	27.50	0.219	0.34	0.132	0.21	-0.15
Body	GSM1900	512	1850.2	2TX	Rear	10mm	\	25.60	27.50	0.185	0.29	0.110	0.17	0.19
Body	GSM1900	661	1880	2TX	Left Edge	10mm	\	25.56	27.50	0.033	0.05	0.018	0.03	-0.07
Body	GSM1900	661	1880	2TX	Right Edge	10mm	\	25.56	27.50	0.054	0.08	0.031	0.05	0.15
Body	GSM1900	661	1880	2TX	Bottom Edge	10mm	\	25.56	27.50	0.188	0.29	0.106	0.17	0.01
Body	GSM1900	661	1880	2TX	Rear	10mm	SS	25.56	27.50	0.201	0.31	0.128	0.20	0.15
Body	GSM1900	661	1880	2TX	Rear	10mm	SIM2	25.56	27.50	0.209	0.33	0.119	0.19	-0.14
Body	GSM1900	661	1880	2TX	Rear	10mm	B2	25.56	27.50	0.219	0.34	0.123	0.19	0.13
RF Exposure Conditions	Frequency Band	Channel Number	Frequency (MHz)	Mode/RB	Test Position	Distance	Figure No./Note	EUT Measured Power (dBm)	Tune up (dBm)	Measured SAR 1g (W/kg)	Calculated SAR 1g (W/kg)	Measured SAR 10g (W/kg)	Calculated SAR 10g (W/kg)	Power Drift
Body	GSM1900	661	1880	2TX	Front	15mm	\	28.20	28.50	0.094	0.10	0.061	0.07	0.02
Body	GSM1900	661	1880	2TX	Rear	15mm	Fig.A5	28.20	28.50	0.139	0.15	0.085	0.09	0.19
Body	GSM1900	810	1909.8	2TX	Rear	15mm	\	28.34	28.50	0.134	0.14	0.078	0.08	0.11
Body	GSM1900	512	1850.2	2TX	Rear	15mm	\	28.37	28.50	0.138	0.14	0.081	0.08	-0.02
Body	GSM1900	661	1880	2TX	Rear	15mm	SS	28.20	28.50	0.130	0.14	0.081	0.09	0.14
Body	GSM1900	661	1880	2TX	Rear	15mm	SIM2	28.20	28.50	0.131	0.14	0.080	0.09	-0.10
Body	GSM1900	661	1880	2TX	Rear	15mm	B2	28.20	28.50	0.132	0.14	0.079	0.08	-0.18
RF Exposure Conditions	Frequency Band	Channel Number	Frequency (MHz)	Mode/RB	Test Position	Distance	Figure No./Note	EUT Measured Power (dBm)	Tune up (dBm)	Measured SAR 1g (W/kg)	Calculated SAR 1g (W/kg)	Measured SAR 10g (W/kg)	Calculated SAR 10g (W/kg)	Power Drift
Head	WCDMA1900	9400	1880	RMC	Left Cheek	0mm	\	22.88	24.00	0.113	0.15	0.071	0.09	0.16
Head	WCDMA1900	9400	1880	RMC	Left Tilt	0mm	\	22.88	24.00	0.053	0.07	0.034	0.04	0.19
Head	WCDMA1900	9400	1880	RMC	Right Cheek	0mm	\	22.88	24.00	0.117	0.15	0.071	0.09	-0.10
Head	WCDMA1900	9262	1852.4	RMC	Right Cheek	0mm	\	22.82	24.00	0.093	0.12	0.058	0.08	0.19
Head	WCDMA1900	9538	1907.6	RMC	Right Cheek	0mm	Fig.A6	22.91	24.00	0.135	0.17	0.085	0.11	-0.17
Head	WCDMA1900	9400	1880	RMC	Right Tilt	0mm	\	22.88	24.00	0.088	0.11	0.053	0.07	0.10
Head	WCDMA1900	9538	1907.6	RMC	Right Cheek	0mm	SS	22.91	24.00	0.120	0.16	0.084	0.10	-0.17
Head	WCDMA1900	9538	1907.6	RMC	Right Cheek	0mm	SIM2	22.91	24.00	0.120	0.15	0.084	0.11	-0.17
Head	WCDMA1900	9538	1907.6	RMC	Right Cheek	0mm	B2	22.91	24.00	0.128	0.16	0.081	0.10	-0.14
RF Exposure Conditions	Frequency Band	Channel Number	Frequency (MHz)	Mode/RB	Test Position	Distance	Figure No./Note	EUT Measured Power (dBm)	Tune up (dBm)	Measured SAR 1g (W/kg)	Calculated SAR 1g (W/kg)	Measured SAR 10g (W/kg)	Calculated SAR 10g (W/kg)	Power Drift
Body	WCDMA1900	9400	1880	RMC	Front	10mm	\	22.30	23.00	0.275	0.32	0.170	0.20	-0.22
Body	WCDMA1900	9400	1880	RMC	Rear	10mm	\	22.30	23.00	0.472	0.55	0.279	0.33	-0.17
Body	WCDMA1900	9538	1907.6	RMC	Rear	10mm	Fig.A7	22.35	23.00	0.485	0.56	0.284	0.33	-0.01
Body	WCDMA1900	9262	1852.4	RMC	Rear	10mm	\	22.09	23.00	0.450	0.55	0.282	0.35	-0.10
Body	WCDMA1900	9400	1880	RMC	Left Edge	10mm	\	22.30	23.00	0.110	0.13	0.066	0.08	-0.12
Body	WCDMA1900	9400	1880	RMC	Right Edge	10mm	\	22.30	23.00	0.173	0.20	0.101	0.12	0.07
Body	WCDMA1900	9400	1880	RMC	Bottom Edge	10mm	\	22.30	23.00	0.432	0.51	0.246	0.29	0.02
Body	WCDMA1900	9538	1907.6	RMC	Rear	10mm	SS	22.35	23.00	0.471	0.55	0.274	0.32	0.11
Body	WCDMA1900	9538	1907.6	RMC	Rear	10mm	SIM2	22.35	23.00	0.469	0.54	0.270	0.31	0.12
Body	WCDMA1900	9538	1907.6	RMC	Rear	10mm	B2	22.35	23.00	0.470	0.55	0.269	0.31	-0.06
RF Exposure Conditions	Frequency Band	Channel Number	Frequency (MHz)	Mode/RB	Test Position	Distance	Figure No./Note	EUT Measured Power (dBm)	Tune up (dBm)	Measured SAR 1g (W/kg)	Calculated SAR 1g (W/kg)	Measured SAR 10g (W/kg)	Calculated SAR 10g (W/kg)	Power Drift
Body	WCDMA1900	9400	1880	RMC	Front	15mm	\	22.38	23.50	0.195	0.25	0.123	0.16	0.10
Body	WCDMA1900	9400	1880	RMC	Rear	15mm	Fig.A8	22.38	23.50	0.317	0.41	0.193	0.25	0.12
Body	WCDMA1900	9538	1907.6	RMC	Rear	15mm	\	22.49	23.50	0.303	0.38	0.183	0.23	-0.19
Body	WCDMA1900	9262	1852.4	RMC	Rear	15mm	\	22.25	23.50	0.306	0.41	0.188	0.25	0.13
Body	WCDMA1900	9400	1880	RMC	Rear	15mm	SS	22.38	23.50	0.301	0.39	0.179	0.23	0.17
Body	WCDMA1900	9400	1880	RMC	Rear	15mm	SIM2	22.38	23.50	0.300	0.39	0.177	0.23	0.10
Body	WCDMA1900	9400	1880	RMC	Rear	15mm	B2	22.38	23.50	0.311	0.40	0.180	0.23	-0.16

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RF Exposure Conditions	Frequency Band	Channel Number	Frequency (MHz)	Mode/RB	Test Position	Distance	Figure No./Note	EUT Measured Power (dBm)	Tune up (dBm)	Measured SAR 1g (W/kg)	Calculated SAR 1g (W/kg)	Measured SAR 10g (W/kg)	Calculated SAR 10g (W/kg)	Power Drift
Head	WCDMA1700	1412	1732.4	RMC	Left Cheek	0mm	Fig.A9	22.45	24.00	0.085	0.12	0.054	0.08	0.16
Head	WCDMA1700	1312	1712.4	RMC	Left Cheek	0mm	\	22.40	24.00	0.083	0.12	0.053	0.08	0.15
Head	WCDMA1700	1513	1752.6	RMC	Left Cheek	0mm	\	22.51	24.00	0.084	0.12	0.054	0.08	0.17
Head	WCDMA1700	1412	1732.4	RMC	Left Tilt	0mm	\	22.45	24.00	0.045	0.06	0.028	0.04	-0.12
Head	WCDMA1700	1412	1732.4	RMC	Right Cheek	0mm	\	22.45	24.00	0.056	0.08	0.038	0.05	0.10
Head	WCDMA1700	1412	1732.4	RMC	Right Tilt	0mm	\	22.45	24.00	0.048	0.07	0.031	0.04	-0.04
Head	WCDMA1700	1412	1732.4	RMC	Left Cheek	0mm	SS	22.45	24.00	0.081	0.12	0.040	0.06	0.16
Head	WCDMA1700	1412	1732.4	RMC	Left Cheek	0mm	SIM2	22.45	24.00	0.075	0.11	0.043	0.06	-0.12
Head	WCDMA1700	1412	1732.4	RMC	Left Cheek	0mm	B2	22.45	24.00	0.079	0.11	0.052	0.07	-0.18
RF Exposure Conditions	Frequency Band	Channel Number	Frequency (MHz)	Mode/RB	Test Position	Distance	Figure No./Note	EUT Measured Power (dBm)	Tune up (dBm)	Measured SAR 1g (W/kg)	Calculated SAR 1g (W/kg)	Measured SAR 10g (W/kg)	Calculated SAR 10g (W/kg)	Power Drift
Body	WCDMA1700	1412	1732.5	RMC	Front	10mm	\	21.86	23.00	0.217	0.28	0.136	0.18	0.17
Body	WCDMA1700	1412	1732.5	RMC	Rear	10mm	Fig.A10	21.86	23.00	0.475	0.62	0.285	0.37	0.04
Body	WCDMA1700	1513	1752.6	RMC	Rear	10mm	\	22.06	23.00	0.447	0.56	0.265	0.33	0.15
Body	WCDMA1700	1312	1712.4	RMC	Rear	10mm	\	21.93	23.00	0.469	0.60	0.280	0.36	0.15
Body	WCDMA1700	1412	1732.5	RMC	Left Edge	10mm	\	21.86	23.00	0.062	0.08	0.039	0.05	0.02
Body	WCDMA1700	1412	1732.5	RMC	Right Edge	10mm	\	21.86	23.00	0.092	0.12	0.055	0.07	-0.10
Body	WCDMA1700	1412	1732.5	RMC	Bottom Edge	10mm	\	21.86	23.00	0.418	0.54	0.243	0.32	0.11
Body	WCDMA1700	1412	1732.5	RMC	Rear	10mm	SS	21.86	23.00	0.470	0.61	0.261	0.34	0.18
Body	WCDMA1700	1412	1732.5	RMC	Rear	10mm	SIM2	21.86	23.00	0.460	0.60	0.271	0.35	-0.16
Body	WCDMA1700	1412	1732.5	RMC	Rear	10mm	B2	21.86	23.00	0.466	0.61	0.270	0.35	0.08
RF Exposure Conditions	Frequency Band	Channel Number	Frequency (MHz)	Mode/RB	Test Position	Distance	Figure No./Note	EUT Measured Power (dBm)	Tune up (dBm)	Measured SAR 1g (W/kg)	Calculated SAR 1g (W/kg)	Measured SAR 10g (W/kg)	Calculated SAR 10g (W/kg)	Power Drift
Body	WCDMA1700	1412	1732.5	RMC	Front	15mm	\	22.17	23.50	0.114	0.15	0.075	0.10	0.13
Body	WCDMA1700	1412	1732.5	RMC	Rear	15mm	Fig.A11	22.17	23.50	0.216	0.29	0.139	0.19	0.02
Body	WCDMA1700	1513	1752.6	RMC	Rear	15mm	\	22.20	23.50	0.211	0.28	0.132	0.18	0.19
Body	WCDMA1700	1312	1712.4	RMC	Rear	15mm	\	22.12	23.50	0.189	0.26	0.137	0.19	-0.03
Body	WCDMA1700	1412	1732.5	RMC	Rear	15mm	SS	22.17	23.50	0.213	0.29	0.134	0.18	0.15
Body	WCDMA1700	1412	1732.5	RMC	Rear	15mm	SIM2	22.17	23.50	0.209	0.28	0.130	0.18	-0.11
Body	WCDMA1700	1412	1732.5	RMC	Rear	15mm	B2	22.17	23.50	0.211	0.29	0.129	0.18	-0.20
RF Exposure Conditions	Frequency Band	Channel Number	Frequency (MHz)	Mode/RB	Test Position	Distance	Figure No./Note	EUT Measured Power (dBm)	Tune up (dBm)	Measured SAR 1g (W/kg)	Calculated SAR 1g (W/kg)	Measured SAR 10g (W/kg)	Calculated SAR 10g (W/kg)	Power Drift
Head	WCDMA 850	4182	836.6	RMC	Left Cheek	0mm	\	23.01	24.00	0.388	0.49	0.238	0.30	0.16
Head	WCDMA 850	4182	836.6	RMC	Left Tilt	0mm	\	23.01	24.00	0.391	0.49	0.232	0.29	-0.11
Head	WCDMA 850	4182	836.6	RMC	Right Cheek	0mm	\	23.01	24.00	0.488	0.61	0.290	0.36	0.17
Head	WCDMA 850	4182	836.6	RMC	Right Tilt	0mm	\	23.01	24.00	0.492	0.62	0.265	0.33	-0.14
Head	WCDMA 850	4132	826.4	RMC	Right Tilt	0mm	\	23.20	24.00	0.444	0.53	0.238	0.29	-0.14
Head	WCDMA 850	4233	846.6	RMC	Right Tilt	0mm	Fig.A12	22.93	24.00	0.504	0.64	0.276	0.35	-0.06
Head	WCDMA 850	4233	846.6	RMC	Right Tilt	0mm	SS	22.93	24.00	0.485	0.62	0.276	0.35	0.19
Head	WCDMA 850	4233	846.6	RMC	Right Tilt	0mm	SIM2	22.93	24.00	0.481	0.62	0.260	0.33	-0.18
Head	WCDMA 850	4233	846.6	RMC	Right Tilt	0mm	B2	22.93	24.00	0.473	0.61	0.260	0.33	-0.16
RF Exposure Conditions	Frequency Band	Channel Number	Frequency (MHz)	Mode/RB	Test Position	Distance	Figure No./Note	EUT Measured Power (dBm)	Tune up (dBm)	Measured SAR 1g (W/kg)	Calculated SAR 1g (W/kg)	Measured SAR 10g (W/kg)	Calculated SAR 10g (W/kg)	Power Drift
Body	WCDMA 850	4182	836.6	RMC	Front	10mm	\	23.01	24.00	0.313	0.39	0.202	0.25	-0.12
Body	WCDMA 850	4182	836.6	RMC	Rear	10mm	\	23.01	24.00	0.510	0.64	0.303	0.38	-0.07
Body	WCDMA 850	4182	836.6	RMC	Left Edge	10mm	\	23.01	24.00	0.354	0.44	0.417	0.52	-0.17
Body	WCDMA 850	4182	836.6	RMC	Right Edge	10mm	\	23.01	24.00	0.168	0.21	0.118	0.15	0.13
Body	WCDMA 850	4182	836.6	RMC	Top Edge	10mm	Fig.A13	23.01	24.00	0.540	0.68	0.296	0.37	0.13
Body	WCDMA 850	4132	826.4	RMC	Top Edge	10mm	\	23.20	24.00	0.472	0.57	0.264	0.32	0.11
Body	WCDMA 850	4233	846.6	RMC	Top Edge	10mm	\	22.93	24.00	0.447	0.57	0.251	0.32	-0.14
Body	WCDMA 850	4182	836.6	RMC	Top Edge	10mm	SS	23.01	24.00	0.530	0.67	0.279	0.35	0.12
Body	WCDMA 850	4182	836.6	RMC	Top Edge	10mm	SIM2	23.01	24.00	0.520	0.65	0.277	0.35	0.06
Body	WCDMA 850	4182	836.6	RMC	Top Edge	10mm	B2	23.01	24.00	0.523	0.66	0.284	0.36	-0.08
RF Exposure Conditions	Frequency Band	Channel Number	Frequency (MHz)	Mode/RB	Test Position	Distance	Figure No./Note	EUT Measured Power (dBm)	Tune up (dBm)	Measured SAR 1g (W/kg)	Calculated SAR 1g (W/kg)	Measured SAR 10g (W/kg)	Calculated SAR 10g (W/kg)	Power Drift
Head	LTE Band2	18900	1880	1RB-Low	Left Cheek	0mm	\	22.06	23.00	0.096	0.12	0.059	0.07	0.20
Head	LTE Band2	18900	1880	1RB-Low	Left Tilt	0mm	\	22.06	23.00	0.076	0.09	0.047	0.06	-0.11
Head	LTE Band2	18900	1880	1RB-Low	Right Cheek	0mm	\	22.06	23.00	0.083	0.10	0.053	0.07	-0.03
Head	LTE Band2	18900	1880	1RB-Low	Right Tilt	0mm	\	22.06	23.00	0.092	0.11	0.055	0.07	-0.15
Head	LTE Band2	18900	1880	50RB-Middle	Left Cheek	0mm	\	21.09	22.00	0.102	0.13	0.064	0.08	-0.01
Head	LTE Band2	18900	1880	50RB-Middle	Left Tilt	0mm	\	21.09	22.00	0.069	0.09	0.043	0.05	0.15
Head	LTE Band2	18900	1880	50RB-Middle	Right Cheek	0mm	Fig.A14	21.09	22.00	0.167	0.21	0.107	0.13	0.12
Head	LTE Band2	18900	1880	50RB-Middle	Right Tilt	0mm	\	21.09	22.00	0.098	0.12	0.059	0.07	0.18
Head	LTE Band2	18900	1880	50RB-Middle	Right Cheek	0mm	SS	21.09	22.00	0.149	0.18	0.080	0.10	0.15
Head	LTE Band2	18900	1880	50RB-Middle	Right Cheek	0mm	SIM2	21.09	22.00	0.150	0.18	0.095	0.12	-0.11
Head	LTE Band2	18900	1880	50RB-Middle	Right Cheek	0mm	B2	21.09	22.00	0.156	0.19	0.095	0.12	0.19
RF Exposure Conditions	Frequency Band	Channel Number	Frequency (MHz)	Mode/RB	Test Position	Distance	Figure No./Note	EUT Measured Power (dBm)	Tune up (dBm)	Measured SAR 1g (W/kg)	Calculated SAR 1g (W/kg)	Measured SAR 10g (W/kg)	Calculated SAR 10g (W/kg)	Power Drift
Body	LTE Band2	18900	1880	1RB-Low	Front	10mm	\	20.21	21.00	0.241	0.29	0.150	0.18	-0.10
Body	LTE Band2	18900	1880	1RB-Low	Rear	10mm	Fig.A15	20.21	21.00	0.457	0.55	0.272	0.33	0.11
Body	LTE Band2	18900	1880	1RB-Low	Left Edge	10mm	\	20.21	21.00	0.082	0.10	0.051	0.06	-0.15
Body	LTE Band2	18900	1880	1RB-Low	Right Edge	10mm	\	20.21	21.00	0.146	0.18	0.087	0.10	-0.06
Body	LTE Band2	18900	1880	1RB-Low	Bottom Edge	10mm	\	20.21	21.00	0.378	0.45	0.222	0.27	-0.20
Body	LTE Band2	18900	1880	50RB-Middle	Front	10mm	\	20.20	21.00	0.250	0.30	0.157	0.19	-0.04
Body	LTE Band2	18900	1880	50RB-Middle	Rear	10mm	\	20.20	21.00	0.428	0.51	0.255	0.31	-0.05
Body	LTE Band2	18900	1880	50RB-Middle	Left Edge	10mm	\	20.20	21.00	0.085	0.10	0.053	0.06	-0.01
Body	LTE Band2	18900	1880	50RB-Middle	Right Edge	10mm	\	20.20	21.00	0.148	0.18	0.087	0.10	-0.12
Body	LTE Band2	18900	1880	50RB-Middle	Bottom Edge	10mm	\	20.20	21.00	0.370	0.44	0.216	0.26	-0.18
Body	LTE Band2	18900	1880	1RB-Low	Rear	10mm	SS	20.21	21.00	0.439	0.53	0.261	0.31	0.14
Body	LTE Band2	18900	1880	1RB-Low	Rear	10mm	SIM2	20.21	21.00	0.441	0.53	0.265	0.32	-0.03
Body	LTE Band2	18900	1880	1RB-Low	Rear	10mm	B2	20.21	21.00	0.449	0.54	0.261	0.31	-0.14
RF Exposure Conditions	Frequency Band	Channel Number	Frequency (MHz)	Mode/RB	Test Position	Distance	Figure No./Note	EUT Measured Power (dBm)	Tune up (dBm)	Measured SAR 1g (W/kg)	Calculated SAR 1g (W/kg)	Measured SAR 10g (W/kg)	Calculated SAR 10g (W/kg)	Power Drift
Body	LTE Band2	18900	1880	1RB-Low	Front	15mm	\	20.27	22.00	0.129	0.19	0.079	0.12	0.15
Body	LTE Band2	18900	1880	1RB-Low	Rear	15mm	\	20.27	22.00	0.224	0.33	0.137	0.20	-0.04
Body	LTE Band2	18900	1880	50RB-Middle	Front	15mm	\	20.22	22.00	0.127	0.19	0.081	0.12	0.12
Body	LTE Band2	18900	1880	50RB-Middle	Rear	15mm	Fig.A16	20.22	22.00	0.225	0.34	0.138	0.21	-0.04
Body	LTE Band2	18900	1880	50RB-Middle	Rear	15mm	SS	20.22	22.00	0.214	0.32	0.130	0.20	0.15
Body	LTE Band2	18900	1880	50RB-Middle	Rear	15mm	SIM2	20.22	22.00	0.219	0.33	0.120	0.18	-0.09
Body	LTE Band2	18900	1880	50RB-Middle	Rear	15mm	B2	20.22	22.00	0.212	0.32	0.120	0.18	0.14

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RF Exposure Conditions	Frequency Band	Channel Number	Frequency (MHz)	Mode/RB	Test Position	Distance	Figure No./Note	EUT Measured Power (dBm)	Tune up (dBm)	Measured SAR 1g (W/kg)	Calculated SAR 1g (W/kg)	Measured SAR 10g (W/kg)	Calculated SAR 10g (W/kg)	Power Drift
Head	LTE Band5	20450	829	1RB-Low	Left Cheek	0mm	\	23.21	23.50	0.493	0.53	0.341	0.36	-0.09
Head	LTE Band5	20450	829	1RB-Low	Left Tilt	0mm	\	23.21	23.50	0.446	0.48	0.291	0.31	0.06
Head	LTE Band5	20450	829	1RB-Low	Right Cheek	0mm	\	23.21	23.50	0.580	0.62	0.399	0.43	0.04
Head	LTE Band5	20450	829	1RB-Low	Right Tilt	0mm	Fig.A17	23.21	23.50	0.592	0.63	0.336	0.36	-0.06
Head	LTE Band5	20450	829	25RB-Low	Left Cheek	0mm	\	22.19	22.50	0.375	0.40	0.266	0.29	0.15
Head	LTE Band5	20450	829	25RB-Low	Left Tilt	0mm	\	22.19	22.50	0.348	0.37	0.224	0.24	0.08
Head	LTE Band5	20450	829	25RB-Low	Right Cheek	0mm	\	22.19	22.50	0.421	0.45	0.302	0.32	0.13
Head	LTE Band5	20450	829	25RB-Low	Right Tilt	0mm	\	22.19	22.50	0.488	0.52	0.275	0.30	0.14
Head	LTE Band5	20450	829	1RB-Low	Right Tilt	0mm	SS	23.21	23.50	0.562	0.60	0.319	0.34	0.14
Head	LTE Band5	20450	829	1RB-Low	Right Tilt	0mm	SIM2	23.21	23.50	0.579	0.62	0.320	0.34	-0.10
Head	LTE Band5	20450	829	1RB-Low	Right Tilt	0mm	B2	23.21	23.50	0.580	0.62	0.312	0.33	-0.19
RF Exposure Conditions	Frequency Band	Channel Number	Frequency (MHz)	Mode/RB	Test Position	Distance	Figure No./Note	EUT Measured Power (dBm)	Tune up (dBm)	Measured SAR 1g (W/kg)	Calculated SAR 1g (W/kg)	Measured SAR 10g (W/kg)	Calculated SAR 10g (W/kg)	Power Drift
Body	LTE Band5	20450	829	1RB-Low	Front	10mm	\	23.21	23.50	0.229	0.24	0.149	0.16	0.11
Body	LTE Band5	20450	829	1RB-Low	Rear	10mm	Fig.A18	23.21	23.50	0.320	0.34	0.242	0.26	-0.12
Body	LTE Band5	20450	829	1RB-Low	Left Edge	10mm	\	23.21	23.50	0.283	0.30	0.197	0.21	0.10
Body	LTE Band5	20450	829	1RB-Low	Right Edge	10mm	\	23.21	23.50	0.164	0.18	0.114	0.12	-0.12
Body	LTE Band5	20450	829	1RB-Low	Top Edge	10mm	\	23.21	23.50	0.304	0.32	0.168	0.18	0.17
Body	LTE Band5	20450	829	25RB-Low	Front	10mm	\	22.19	22.50	0.194	0.21	0.126	0.14	-0.03
Body	LTE Band5	20450	829	25RB-Low	Rear	10mm	\	22.19	22.50	0.265	0.28	0.200	0.21	-0.16
Body	LTE Band5	20450	829	25RB-Low	Left Edge	10mm	\	22.19	22.50	0.227	0.24	0.158	0.17	-0.10
Body	LTE Band5	20450	829	25RB-Low	Right Edge	10mm	\	22.19	22.50	0.133	0.14	0.092	0.10	-0.16
Body	LTE Band5	20450	829	25RB-Low	Top Edge	10mm	\	22.19	22.50	0.268	0.29	0.146	0.16	-0.12
Body	LTE Band5	20450	829	1RB-Low	Rear	10mm	SS	23.21	23.50	0.309	0.33	0.214	0.23	0.15
Body	LTE Band5	20450	829	1RB-Low	Rear	10mm	SIM2	23.21	23.50	0.311	0.33	0.229	0.24	-0.13
Body	LTE Band5	20450	829	1RB-Low	Rear	10mm	B2	23.21	23.50	0.312	0.33	0.228	0.24	0.15
RF Exposure Conditions	Frequency Band	Channel Number	Frequency (MHz)	Mode/RB	Test Position	Distance	Figure No./Note	EUT Measured Power (dBm)	Tune up (dBm)	Measured SAR 1g (W/kg)	Calculated SAR 1g (W/kg)	Measured SAR 10g (W/kg)	Calculated SAR 10g (W/kg)	Power Drift
Head	LTE Band7	21350	2560	1RB-Low	Left Cheek	0mm	Fig.A19	22.24	23.00	0.053	0.06	0.027	0.03	0.15
Head	LTE Band7	21350	2560	1RB-Low	Left Tilt	0mm	\	22.24	23.00	0.015	0.02	0.008	0.01	0.11
Head	LTE Band7	21350	2560	1RB-Low	Right Cheek	0mm	\	22.24	23.00	0.029	0.03	0.015	0.02	-0.14
Head	LTE Band7	21350	2560	1RB-Low	Right Tilt	0mm	\	22.24	23.00	0.018	0.02	0.009	0.01	0.10
Head	LTE Band7	21350	2560	50RB-Low	Left Cheek	0mm	\	21.26	22.00	0.032	0.04	0.012	0.01	0.06
Head	LTE Band7	21350	2560	50RB-Low	Left Tilt	0mm	\	21.26	22.00	0.027	0.03	0.011	0.01	0.19
Head	LTE Band7	21350	2560	50RB-Low	Right Cheek	0mm	\	21.26	22.00	0.021	0.02	0.011	0.01	-0.04
Head	LTE Band7	21350	2560	50RB-Low	Right Tilt	0mm	\	21.26	22.00	0.018	0.02	0.009	0.01	0.13
Head	LTE Band7	21350	2560	1RB-Low	Left Cheek	0mm	SS	22.24	23.00	0.043	0.05	0.025	0.03	0.12
Head	LTE Band7	21350	2560	1RB-Low	Left Cheek	0mm	SIM2	22.24	23.00	0.050	0.06	0.024	0.03	0.19
Head	LTE Band7	21350	2560	1RB-Low	Left Cheek	0mm	B2	22.24	23.00	0.048	0.06	0.021	0.03	0.13
RF Exposure Conditions	Frequency Band	Channel Number	Frequency (MHz)	Mode/RB	Test Position	Distance	Figure No./Note	EUT Measured Power (dBm)	Tune up (dBm)	Measured SAR 1g (W/kg)	Calculated SAR 1g (W/kg)	Measured SAR 10g (W/kg)	Calculated SAR 10g (W/kg)	Power Drift
Body	LTE Band7	21350	2560	1RB-Low	Front	10mm	\	20.58	21.00	0.202	0.22	0.113	0.12	-0.19
Body	LTE Band7	21350	2560	1RB-Low	Rear	10mm	\	20.58	21.00	0.302	0.33	0.182	0.20	-0.11
Body	LTE Band7	21350	2560	1RB-Low	Left Edge	10mm	\	20.58	21.00	0.055	0.06	0.034	0.04	-0.15
Body	LTE Band7	21350	2560	1RB-Low	Right Edge	10mm	\	20.58	21.00	0.142	0.16	0.077	0.08	0.06
Body	LTE Band7	21100	2535	1RB-Low	Bottom Edge	10mm	Fig.A20	20.50	21.00	0.739	0.83	0.368	0.41	-0.19
Body	LTE Band7	21350	2560	1RB-Low	Bottom Edge	10mm	\	20.58	21.00	0.510	0.56	0.271	0.30	-0.19
Body	LTE Band7	20850	2510	1RB-Low	Bottom Edge	10mm	\	20.57	21.00	0.600	0.66	0.303	0.33	0.04
Body	LTE Band7	21100	2535	100RB	Bottom Edge	10mm	\	20.50	21.00	0.701	0.79	0.285	0.32	0.12
Body	LTE Band7	21350	2560	50RB-Low	Front	10mm	\	20.50	21.00	0.203	0.23	0.113	0.13	-0.07
Body	LTE Band7	21350	2560	50RB-Low	Rear	10mm	\	20.50	21.00	0.365	0.41	0.184	0.21	-0.16
Body	LTE Band7	21350	2560	50RB-Low	Left Edge	10mm	\	20.50	21.00	0.057	0.06	0.036	0.04	-0.05
Body	LTE Band7	21350	2560	50RB-Low	Right Edge	10mm	\	20.50	21.00	0.127	0.14	0.072	0.08	-0.04
Body	LTE Band7	21350	2560	50RB-Low	Bottom Edge	10mm	\	20.50	21.00	0.505	0.57	0.265	0.30	-0.12
Body	LTE Band7	21350	2560	1RB-Low	Bottom Edge	10mm	SS	20.50	21.00	0.720	0.81	0.360	0.40	0.18
Body	LTE Band7	21350	2560	1RB-Low	Bottom Edge	10mm	SIM2	20.50	21.00	0.713	0.80	0.350	0.39	-0.14
Body	LTE Band7	21350	2560	1RB-Low	Bottom Edge	10mm	B2	20.50	21.00	0.720	0.81	0.349	0.39	0.14
RF Exposure Conditions	Frequency Band	Channel Number	Frequency (MHz)	Mode/RB	Test Position	Distance	Figure No./Note	EUT Measured Power (dBm)	Tune up (dBm)	Measured SAR 1g (W/kg)	Calculated SAR 1g (W/kg)	Measured SAR 10g (W/kg)	Calculated SAR 10g (W/kg)	Power Drift
Body	LTE Band7	21350	2560	1RB-Low	Front	15mm	\	20.59	21.50	0.170	0.21	0.100	0.12	-0.04
Body	LTE Band7	21350	2560	1RB-Low	Rear	15mm	\	20.59	21.50	0.238	0.29	0.130	0.16	-0.15
Body	LTE Band7	21350	2560	50RB-Low	Front	15mm	\	20.52	21.50	0.169	0.21	0.100	0.13	-0.16
Body	LTE Band7	21350	2560	50RB-Low	Rear	15mm	Fig.A21	20.52	21.50	0.253	0.32	0.136	0.17	-0.11
Body	LTE Band7	21350	2560	50RB-Low	Rear	15mm	SS	20.52	21.50	0.229	0.29	0.124	0.16	0.19
Body	LTE Band7	21350	2560	50RB-Low	Rear	15mm	SIM2	20.52	21.50	0.240	0.30	0.120	0.15	-0.11
Body	LTE Band7	21350	2560	50RB-Low	Rear	15mm	B2	20.52	21.50	0.248	0.31	0.128	0.16	0.12
RF Exposure Conditions	Frequency Band	Channel Number	Frequency (MHz)	Mode/RB	Test Position	Distance	Figure No./Note	EUT Measured Power (dBm)	Tune up (dBm)	Measured SAR 1g (W/kg)	Calculated SAR 1g (W/kg)	Measured SAR 10g (W/kg)	Calculated SAR 10g (W/kg)	Power Drift
Head	LTE Band12	23095	707.5	1RB-Low	Left Cheek	0mm	\	23.51	24.50	0.439	0.55	0.279	0.35	0.19
Head	LTE Band12	23095	707.5	1RB-Low	Left Tilt	0mm	\	23.51	24.50	0.356	0.45	0.213	0.27	-0.17
Head	LTE Band12	23095	707.5	1RB-Low	Right Cheek	0mm	Fig.A22	23.51	24.50	0.586	0.74	0.352	0.44	0.04
Head	LTE Band12	23095	707.5	1RB-Low	Right Tilt	0mm	\	23.51	24.50	0.566	0.71	0.289	0.36	-0.09
Head	LTE Band12	23095	707.5	25RB-Low	Left Cheek	0mm	\	22.50	23.50	0.387	0.49	0.244	0.31	0.03
Head	LTE Band12	23095	707.5	25RB-Low	Left Tilt	0mm	\	22.50	23.50	0.319	0.40	0.188	0.24	-0.11
Head	LTE Band12	23095	707.5	25RB-Low	Right Cheek	0mm	\	22.50	23.50	0.458	0.58	0.285	0.36	-0.11
Head	LTE Band12	23095	707.5	25RB-Low	Right Tilt	0mm	\	22.50	23.50	0.468	0.59	0.238	0.30	0.13
Head	LTE Band12	23095	707.5	1RB-Low	Right Cheek	0mm	SS	23.51	24.50	0.570	0.72	0.339	0.43	0.16
Head	LTE Band12	23095	707.5	1RB-Low	Right Cheek	0mm	SIM2	23.51	24.50	0.561	0.70	0.339	0.43	-0.06
Head	LTE Band12	23095	707.5	1RB-Low	Right Cheek	0mm	B2	23.51	24.50	0.571	0.72	0.340	0.43	0.12
RF Exposure Conditions	Frequency Band	Channel Number	Frequency (MHz)	Mode/RB	Test Position	Distance	Figure No./Note	EUT Measured Power (dBm)	Tune up (dBm)	Measured SAR 1g (W/kg)	Calculated SAR 1g (W/kg)	Measured SAR 10g (W/kg)	Calculated SAR 10g (W/kg)	Power Drift
Body	LTE Band12	23095	707.5	1RB-Low	Front	10mm	\	23.51	24.50	0.177	0.22	0.133	0.17	0.06
Body	LTE Band12	23095	707.5	1RB-Low	Rear	10mm	\	23.51	24.50	0.294	0.37	0.221	0.28	-0.04
Body	LTE Band12	23095	707.5	1RB-Low	Left Edge	10mm	Fig.A23	23.51	24.50	0.318	0.40	0.220	0.28	0.12
Body	LTE Band12	23095	707.5	1RB-Low	Right Edge	10mm	\	23.51	24.50	0.207	0.26	0.144	0.18	0.19
Body	LTE Band12	23095	707.5	1RB-Low	Top Edge	10mm	\	23.51	24.50	0.136	0.17	0.073	0.09	0.11
Body	LTE Band12	23095	707.5	25RB-Low	Front	10mm	\	22.50	23.50	0.144	0.18	0.109	0.14	0.18
Body	LTE Band12	23095	707.5	25RB-Low	Rear	10mm	\	22.50	23.50	0.244	0.31	0.183	0.23	0.14
Body	LTE Band12	23095	707.5	25RB-Low	Left Edge	10mm	\	22.50	23.50	0.272	0.34	0.188	0.24	0.20
Body	LTE Band12	23095	707.5	25RB-Low	Right Edge	10mm	\	22.50	23.50	0.175	0.22	0.121	0.15	-0.12
Body	LTE Band12	23095	707.5	25RB-Low	Top Edge	10mm	\	22.50	23.50	0.118	0.15	0.065	0.08	-0.05
Body	LTE Band12	23095	707.5	1RB-Low	Left Edge	10mm	SS	23.51	24.50	0.285	0.36	0.211	0.27	0.21
Body	LTE Band12	23095	707.5	1RB-Low	Left Edge	10mm	SIM2	23.51	24.50	0.290	0.36	0.209	0.26	0.12
Body	LTE Band12	23095	707.5	1RB-Low	Left Edge	10mm	B2	23.51	24.50	0.309	0.39	0.219	0.28	0.12

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RF Exposure Conditions	Frequency Band	Channel Number	Frequency (MHz)	Mode/RB	Test Position	Distance	Figure No./Note	EUT Measured Power (dBm)	Tune up (dBm)	Measured SAR 1g (W/kg)	Calculated SAR 1g (W/kg)	Measured SAR 10g (W/kg)	Calculated SAR 10g (W/kg)	Power Drift
Head	LTE Band13	23230	782	1RB-Low	Left Cheek	0mm	\	23.25	24.50	0.631	0.84	0.391	0.52	-0.01
Head	LTE Band13	23230	782	1RB-Low	Left Tilt	0mm	\	23.25	24.50	0.508	0.68	0.300	0.40	-0.11
Head	LTE Band13	23230	782	1RB-Low	Right Cheek	0mm	Fig.A24	23.25	24.50	0.703	0.94	0.425	0.57	0.07
Head	LTE Band13	23230	782	1RB-Low	Right Tilt	0mm	\	23.25	24.50	0.669	0.89	0.338	0.45	0.02
Head	LTE Band13	23230	782	25RB-Low	Left Cheek	0mm	\	22.21	23.50	0.472	0.64	0.295	0.40	0.11
Head	LTE Band13	23230	782	25RB-Low	Left Tilt	0mm	\	22.21	23.50	0.396	0.53	0.233	0.31	-0.02
Head	LTE Band13	23230	782	25RB-Low	Right Cheek	0mm	\	22.21	23.50	0.530	0.71	0.321	0.43	0.17
Head	LTE Band13	23230	782	25RB-Low	Right Tilt	0mm	\	22.21	23.50	0.507	0.68	0.258	0.35	-0.14
Head	LTE Band13	23230	782	1RB-Low	Right Cheek	0mm	SS	23.25	24.50	0.671	0.89	0.392	0.52	0.11
Head	LTE Band13	23230	782	1RB-Low	Right Cheek	0mm	SIM2	23.25	24.50	0.684	0.91	0.419	0.56	0.06
Head	LTE Band13	23230	782	1RB-Low	Right Cheek	0mm	B2	23.25	24.50	0.689	0.92	0.411	0.55	0.05
RF Exposure Conditions	Frequency Band	Channel Number	Frequency (MHz)	Mode/RB	Test Position	Distance	Figure No./Note	EUT Measured Power (dBm)	Tune up (dBm)	Measured SAR 1g (W/kg)	Calculated SAR 1g (W/kg)	Measured SAR 10g (W/kg)	Calculated SAR 10g (W/kg)	Power Drift
Body	LTE Band13	23230	782	1RB-Low	Front	10mm	\	23.25	24.50	0.184	0.25	0.121	0.16	-0.06
Body	LTE Band13	23230	782	1RB-Low	Rear	10mm	Fig.A25	23.25	24.50	0.287	0.38	0.218	0.29	0.17
Body	LTE Band13	23230	782	1RB-Low	Left Edge	10mm	\	23.25	24.50	0.259	0.35	0.183	0.24	-0.12
Body	LTE Band13	23230	782	1RB-Low	Right Edge	10mm	\	23.25	24.50	0.159	0.21	0.112	0.15	0.20
Body	LTE Band13	23230	782	1RB-Low	Top Edge	10mm	\	23.25	24.50	0.248	0.33	0.138	0.18	-0.15
Body	LTE Band13	23230	782	25RB-Low	Front	10mm	\	22.21	23.50	0.139	0.19	0.093	0.13	-0.19
Body	LTE Band13	23230	782	25RB-Low	Rear	10mm	\	22.21	23.50	0.208	0.28	0.157	0.21	-0.14
Body	LTE Band13	23230	782	25RB-Low	Left Edge	10mm	\	22.21	23.50	0.202	0.27	0.142	0.19	0.18
Body	LTE Band13	23230	782	25RB-Low	Right Edge	10mm	\	22.21	23.50	0.123	0.17	0.087	0.12	0.04
Body	LTE Band13	23230	782	25RB-Low	Top Edge	10mm	\	22.21	23.50	0.198	0.27	0.107	0.14	0.12
Body	LTE Band13	23230	782	1RB-Low	Rear	10mm	SS	23.25	24.50	0.265	0.35	0.194	0.26	0.12
Body	LTE Band13	23230	782	1RB-Low	Rear	10mm	SIM2	23.25	24.50	0.279	0.37	0.200	0.27	-0.16
Body	LTE Band13	23230	782	1RB-Low	Rear	10mm	B2	23.25	24.50	0.275	0.37	0.209	0.28	0.02
RF Exposure Conditions	Frequency Band	Channel Number	Frequency (MHz)	Mode/RB	Test Position	Distance	Figure No./Note	EUT Measured Power (dBm)	Tune up (dBm)	Measured SAR 1g (W/kg)	Calculated SAR 1g (W/kg)	Measured SAR 10g (W/kg)	Calculated SAR 10g (W/kg)	Power Drift
Head	LTE Band41	40620	2593	1RB-High	Left Cheek	0mm	Fig.A26	22.33	24.00	0.019	0.03	0.008	0.01	0.02
Head	LTE Band41	40620	2593	1RB-High	Left Tilt	0mm	\	22.33	24.00	0.005	0.01	0.002	0.00	-0.02
Head	LTE Band41	40620	2593	1RB-High	Right Cheek	0mm	\	22.33	24.00	0.010	0.01	0.005	0.01	0.03
Head	LTE Band41	40620	2593	1RB-High	Right Tilt	0mm	\	22.33	24.00	0.006	0.01	0.003	0.00	0.16
Head	LTE Band41	40620	2593	50RB-High	Left Cheek	0mm	\	22.36	23.00	0.015	0.02	0.004	0.00	0.15
Head	LTE Band41	40620	2593	50RB-High	Left Tilt	0mm	\	22.36	23.00	0.011	0.01	0.005	0.01	-0.12
Head	LTE Band41	40620	2593	50RB-High	Right Cheek	0mm	\	22.36	23.00	0.007	0.01	0.003	0.00	0.06
Head	LTE Band41	40620	2593	50RB-High	Right Tilt	0mm	\	22.36	23.00	0.006	0.01	0.003	0.00	0.02
Head	LTE Band41	40620	2593	1RB-High	Left Cheek	0mm	SS	22.33	24.00	0.015	0.02	0.008	0.01	0.02
Head	LTE Band41	40620	2593	1RB-High	Left Cheek	0mm	SIM2	22.33	24.00	0.016	0.02	0.008	0.01	-0.14
Head	LTE Band41	40620	2593	1RB-High	Left Cheek	0mm	B2	22.33	24.00	0.017	0.02	0.007	0.01	-0.02
RF Exposure Conditions	Frequency Band	Channel Number	Frequency (MHz)	Mode/RB	Test Position	Distance	Figure No./Note	EUT Measured Power (dBm)	Tune up (dBm)	Measured SAR 1g (W/kg)	Calculated SAR 1g (W/kg)	Measured SAR 10g (W/kg)	Calculated SAR 10g (W/kg)	Power Drift
Body	LTE Band41	40620	2593	1RB-High	Front	10mm	\	21.38	22.50	0.107	0.14	0.053	0.07	-0.03
Body	LTE Band41	40620	2593	1RB-High	Rear	10mm	\	21.35	22.50	0.164	0.21	0.072	0.09	-0.14
Body	LTE Band41	40620	2593	1RB-High	Left Edge	10mm	\	21.35	22.50	0.026	0.03	0.009	0.01	0.17
Body	LTE Band41	40620	2593	1RB-High	Right Edge	10mm	\	21.35	22.50	0.069	0.09	0.034	0.04	-0.10
Body	LTE Band41	40620	2593	1RB-High	Bottom Edge	10mm	\	21.35	22.50	0.242	0.32	0.112	0.15	-0.16
Body	LTE Band41	40620	2593	50RB-High	Front	10mm	\	21.38	22.50	0.114	0.15	0.055	0.07	0.02
Body	LTE Band41	40620	2593	50RB-High	Rear	10mm	\	21.38	22.50	0.209	0.27	0.091	0.12	0.10
Body	LTE Band41	40620	2593	50RB-High	Left Edge	10mm	\	21.38	22.50	0.028	0.04	0.009	0.01	-0.15
Body	LTE Band41	40620	2593	50RB-High	Right Edge	10mm	\	21.38	22.50	0.073	0.09	0.035	0.05	0.06
Body	LTE Band41	40620	2593	50RB-High	Bottom Edge	10mm	Fig.A27	21.38	22.50	0.290	0.38	0.132	0.17	0.19
Body	LTE Band41	40620	2593	50RB-High	Bottom Edge	10mm	SS	21.38	22.50	0.280	0.36	0.120	0.16	0.14
Body	LTE Band41	40620	2593	50RB-High	Bottom Edge	10mm	SIM2	21.38	22.50	0.274	0.35	0.111	0.14	0.13
Body	LTE Band41	40620	2593	50RB-High	Bottom Edge	10mm	B2	21.38	22.50	0.290	0.38	0.132	0.17	0.19
RF Exposure Conditions	Frequency Band	Channel Number	Frequency (MHz)	Mode/RB	Test Position	Distance	Figure No./Note	EUT Measured Power (dBm)	Tune up (dBm)	Measured SAR 1g (W/kg)	Calculated SAR 1g (W/kg)	Measured SAR 10g (W/kg)	Calculated SAR 10g (W/kg)	Power Drift
Body	LTE Band41	40620	2593	1RB-High	Front	15mm	\	21.41	23.00	0.029	0.04	0.016	0.02	-0.19
Body	LTE Band41	40620	2593	1RB-High	Rear	15mm	\	21.41	23.00	0.050	0.07	0.026	0.04	-0.08
Body	LTE Band41	40620	2593	50RB-High	Front	15mm	\	21.44	23.00	0.031	0.04	0.018	0.03	0.17
Body	LTE Band41	40620	2593	50RB-High	Rear	15mm	Fig.A28	21.44	23.00	0.053	0.08	0.027	0.04	0.05
Body	LTE Band41	40620	2593	50RB-High	Rear	15mm	SS	21.44	23.00	0.046	0.07	0.023	0.03	0.02
Body	LTE Band41	40620	2593	50RB-High	Rear	15mm	SIM2	21.44	23.00	0.041	0.06	0.021	0.03	0.16
Body	LTE Band41	40620	2593	50RB-High	Rear	15mm	B2	21.44	23.00	0.050	0.07	0.024	0.03	0.14

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RF Exposure Conditions	Frequency Band	Channel Number	Frequency (MHz)	Mode/RB	Test Position	Distance	Figure No./Note	EUT Measured Power (dBm)	Tune up (dBm)	Measured SAR 1g (W/kg)	Calculated SAR 1g (W/kg)	Measured SAR 10g (W/kg)	Calculated SAR 10g (W/kg)	Power Drift
Head	LTE Band66	41100	1720	1RB-Middle	Left Cheek	0mm	Fig.A29	21.93	23.00	0.098	0.13	0.062	0.08	0.13
Head	LTE Band66	41101	1720	1RB-Middle	Left Tilt	0mm	\	21.93	23.00	0.052	0.07	0.033	0.04	0.11
Head	LTE Band66	41102	1720	1RB-Middle	Right Cheek	0mm	\	21.93	23.00	0.063	0.08	0.042	0.05	0.15
Head	LTE Band66	41103	1720	1RB-Middle	Right Tilt	0mm	\	21.93	23.00	0.058	0.07	0.038	0.05	0.11
Head	LTE Band66	41104	1745	50RB-Middle	Left Cheek	0mm	\	20.91	22.00	0.079	0.10	0.051	0.07	0.15
Head	LTE Band66	41105	1745	50RB-Middle	Left Tilt	0mm	\	20.91	22.00	0.038	0.05	0.024	0.03	0.18
Head	LTE Band66	41106	1745	50RB-Middle	Right Cheek	0mm	\	20.91	22.00	0.053	0.07	0.035	0.04	-0.15
Head	LTE Band66	41107	1745	50RB-Middle	Right Tilt	0mm	\	20.91	22.00	0.045	0.06	0.029	0.04	-0.17
Head	LTE Band66	41100	1720	1RB-Middle	Left Cheek	0mm	SS	21.93	23.00	0.092	0.12	0.060	0.08	0.14
Head	LTE Band66	41100	1720	1RB-Middle	Left Cheek	0mm	SIM2	21.93	23.00	0.095	0.12	0.054	0.07	-0.01
Head	LTE Band66	41100	1720	1RB-Middle	Left Cheek	0mm	B2	21.93	23.00	0.090	0.12	0.050	0.06	-0.02
RF Exposure Conditions	Frequency Band	Channel Number	Frequency (MHz)	Mode/RB	Test Position	Distance	Figure No./Note	EUT Measured Power (dBm)	Tune up (dBm)	Measured SAR 1g (W/kg)	Calculated SAR 1g (W/kg)	Measured SAR 10g (W/kg)	Calculated SAR 10g (W/kg)	Power Drift
Body	LTE Band66	41109	1720	1RB-Middle	Front	10mm	\	20.05	21.00	0.205	0.26	0.128	0.16	0.11
Body	LTE Band66	41110	1720	1RB-Middle	Rear	10mm	\	20.05	21.00	0.372	0.46	0.218	0.27	0.15
Body	LTE Band66	41111	1720	1RB-Middle	Left Edge	10mm	\	20.05	21.00	0.050	0.06	0.031	0.04	-0.18
Body	LTE Band66	41111	1720	1RB-Middle	Right Edge	10mm	\	20.05	21.00	0.065	0.08	0.038	0.05	-0.11
Body	LTE Band66	41112	1720	1RB-Middle	Bottom Edge	10mm	\	20.05	21.00	0.307	0.38	0.176	0.22	0.17
Body	LTE Band66	41113	1745	50RB-Middle	Front	10mm	\	20.06	21.00	0.186	0.23	0.113	0.14	0.05
Body	LTE Band66	41114	1745	50RB-Middle	Rear	10mm	Fig.A30	20.06	21.00	0.386	0.48	0.228	0.28	0.12
Body	LTE Band66	41115	1745	50RB-Middle	Left Edge	10mm	\	20.06	21.00	0.049	0.06	0.031	0.04	-0.09
Body	LTE Band66	41116	1745	50RB-Middle	Right Edge	10mm	\	20.06	21.00	0.066	0.08	0.038	0.05	0.12
Body	LTE Band66	41116	1745	50RB-Middle	Bottom Edge	10mm	\	20.06	21.00	0.315	0.39	0.181	0.22	-0.13
Body	LTE Band66	41114	1745	50RB-Middle	Rear	10mm	SS	20.06	21.00	0.379	0.47	0.210	0.26	0.14
Body	LTE Band66	41114	1745	50RB-Middle	Rear	10mm	SIM2	20.06	21.00	0.377	0.47	0.209	0.26	0.04
Body	LTE Band66	41114	1745	50RB-Middle	Rear	10mm	B2	20.06	21.00	0.370	0.46	0.200	0.25	-0.04
RF Exposure Conditions	Frequency Band	Channel Number	Frequency (MHz)	Mode/RB	Test Position	Distance	Figure No./Note	EUT Measured Power (dBm)	Tune up (dBm)	Measured SAR 1g (W/kg)	Calculated SAR 1g (W/kg)	Measured SAR 10g (W/kg)	Calculated SAR 10g (W/kg)	Power Drift
Body	LTE Band66	41109	1720	1RB-Middle	Front	15mm	\	20.07	22.00	0.071	0.11	0.047	0.07	0.16
Body	LTE Band66	41110	1720	1RB-Middle	Rear	15mm	Fig.A31	20.07	22.00	0.134	0.21	0.087	0.14	0.12
Body	LTE Band66	41109	1720	50RB-Middle	Front	15mm	\	20.91	22.00	0.070	0.09	0.047	0.06	0.11
Body	LTE Band66	41110	1720	50RB-Middle	Rear	15mm	\	20.91	22.00	0.129	0.17	0.083	0.11	-0.12
Body	LTE Band66	41110	1720	1RB-Middle	Rear	15mm	SS	20.07	22.00	0.130	0.20	0.081	0.13	-0.18
Body	LTE Band66	41110	1720	1RB-Middle	Rear	15mm	SIM2	20.07	22.00	0.120	0.19	0.080	0.12	0.14
Body	LTE Band66	41110	1720	1RB-Middle	Rear	15mm	B2	20.07	22.00	0.129	0.20	0.074	0.12	0.12

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14.2 WLAN Evaluation for 2.4G

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

Frequency Band	Channel Number	Frequency (MHz)	Test setup	Figure No./Note	EUT Measured Power (dBm)	Tune up (dBm)	Measured SAR 1g (W/kg)	Calculated SAR 1g (W/kg)	Measured SAR 10g (W/kg)	Calculated SAR 10g (W/kg)	Power Drift
WLAN 2.4G	11	2462	Left Cheek	Fig.A32	17.82	18	0.591	0.62	0.281	0.29	0.03
WLAN 2.4G	11	2462	Left Tilt	\	17.82	18	0.553	0.58	0.255	0.27	-0.06
WLAN 2.4G	1	2412	Left Cheek	\	17.78	18	0.550	0.58	0.250	0.26	0.11
WLAN 2.4G	1	2412	Left Tilt	\	17.78	18	0.527	0.55	0.233	0.25	0.14
WLAN 2.4G	11	2462	Right Cheek	\	17.82	18	0.232	0.24	0.126	0.13	-0.18
WLAN 2.4G	11	2462	Right Tilt	\	17.82	18	0.321	0.33	0.152	0.16	-0.20
WLAN 2.4G	11	2462	Left Cheek	B2	17.82	18	0.570	0.59	0.261	0.27	0.043
Frequency Band	Channel Number	Frequency (MHz)	Test setup	Figure No./Note	EUT Measured Power (dBm)	Tune up (dBm)	Measured SAR 1g (W/kg)	Calculated SAR 1g (W/kg)	Measured SAR 10g (W/kg)	Calculated SAR 10g (W/kg)	Power Drift
WLAN 2.4G	11	2462	Front 10mm	\	17.82	18	0.165	0.17	0.088	0.09	0.03
WLAN 2.4G	11	2462	Rear 10mm	Fig.A33	17.82	18	0.190	0.20	0.093	0.10	-0.13
WLAN 2.4G	11	2462	Right Edge 10mm	\	17.82	18	0.167	0.17	0.083	0.09	-0.08
WLAN 2.4G	11	2462	Top Edge 10mm	\	17.82	18	0.105	0.11	0.049	0.05	-0.04
WLAN 2.4G	11	2462	Rear 10mm	B2	17.82	18	0.174	0.18	0.091	0.09	0.018
Frequency Band	Channel Number	Frequency (MHz)	Test setup	Figure No./Note	EUT Measured Power (dBm)	Tune up (dBm)	Measured SAR 1g (W/kg)	Calculated SAR 1g (W/kg)	Measured SAR 10g (W/kg)	Calculated SAR 10g (W/kg)	Power Drift
WLAN 2.4G	11	2462	Left Cheek	Fig.A34	15.96	16	0.360	0.36	0.172	0.17	0.08
WLAN 2.4G	11	2462	Left Tilt	\	15.96	16	0.341	0.34	0.155	0.16	-0.08
WLAN 2.4G	11	2462	Right Cheek	\	15.96	16	0.154	0.16	0.083	0.08	0.19
WLAN 2.4G	11	2462	Right Tilt	\	15.96	16	0.209	0.21	0.096	0.10	-0.11
WLAN 2.4G	11	2462	Left Cheek	B2	15.96	16	0.341	0.34	0.160	0.16	0.012
Frequency Band	Channel Number	Frequency (MHz)	Test setup	Figure No./Note	EUT Measured Power (dBm)	Tune up (dBm)	Measured SAR 1g (W/kg)	Calculated SAR 1g (W/kg)	Measured SAR 10g (W/kg)	Calculated SAR 10g (W/kg)	Power Drift
WLAN 2.4G	11	2462	Front 10mm	\	15.96	16	0.102	0.10	0.055	0.06	0.02
WLAN 2.4G	11	2462	Rear 10mm	Fig.A35	15.96	16	0.116	0.12	0.057	0.06	-0.15
WLAN 2.4G	11	2462	Right Edge 10mm	\	15.96	16	0.099	0.10	0.050	0.05	0.20
WLAN 2.4G	11	2462	Top Edge 10mm	\	15.96	16	0.065	0.07	0.030	0.03	-0.15
WLAN 2.4G	11	2462	Rear 10mm	B2	15.96	16	0.102	0.10	0.050	0.05	0.02

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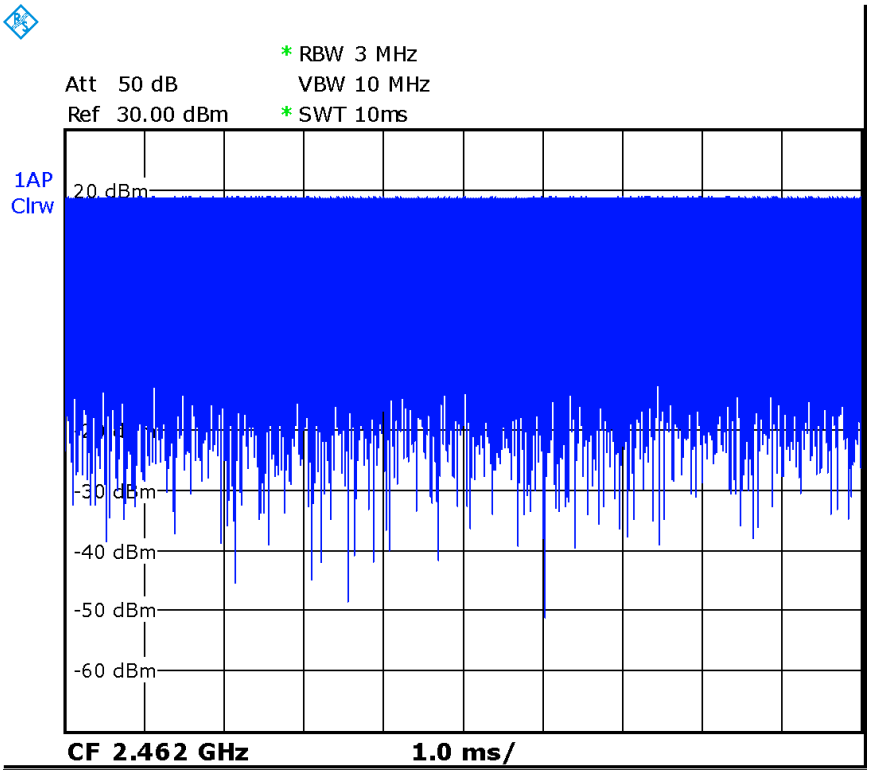
According to the KDB248227 D01, The reported SAR must be scaled to 100% transmission duty factor to determine compliance at the maximum tune-up tolerance limit. The scaled reported SAR is presented as below.



Picture 14.2-1 Duty factor plot

Table 14.2-3: SAR Values (WLAN - Head) – 802.11b (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)
Ch.	MHz						
6	2437	Left	Cheek	100%	100%	**0.62**	**0.62**

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

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14.3 WLAN Evaluation For 5G

Frequency Band	Channel Number	Frequency (MHz)	Test setup	Figure No./Note	EUT Measured Power (dBm)	Tune up (dBm)	Measured SAR 1g (W/kg)	Calculated SAR 1g (W/kg)	Measured SAR 10g (W/kg)	Calculated SAR 10g (W/kg)	Power Drift
WLAN 5G	56	5280	Left Cheek	\	15.81	17.5	0.446	0.66	0.152	0.22	-0.03
WLAN 5G	56	5280	Left Tilt	Fig.A36	15.81	17.5	0.542	0.80	0.173	0.26	0.06
WLAN 5G	60	5300	Left Cheek	\	15.74	17.5	0.412	0.62	0.146	0.22	0.11
WLAN 5G	60	5300	Left Tilt	\	15.74	17.5	0.533	0.80	0.160	0.24	0.12
WLAN 5G	64	5320	Left Tilt	\	15.67	17.5	0.477	0.73	0.154	0.23	-0.16
WLAN 5G	116	5580	Left Cheek	\	16.68	17.5	0.371	0.45	0.117	0.14	-0.16
WLAN 5G	116	5580	Left Tilt	\	16.68	17.5	0.416	0.50	0.129	0.16	0.10
WLAN 5G	124	5620	Left Cheek	\	16.68	17.5	0.360	0.43	0.109	0.13	0.11
WLAN 5G	124	5620	Left Tilt	\	16.68	17.5	0.401	0.48	0.112	0.14	0.02
WLAN 5G	116	5580	Right Cheek	\	16.68	17.5	0.151	0.18	0.050	0.06	-0.12
WLAN 5G	116	5580	Right Tilt	\	16.68	17.5	0.193	0.23	0.069	0.08	-0.17
WLAN 5G	165	5825	Left Cheek	\	17.38	17.5	0.286	0.29	0.096	0.10	-0.05
WLAN 5G	165	5825	Left Tilt	\	17.38	17.5	0.296	0.30	0.100	0.10	-0.04
WLAN 5G	165	5825	Right Cheek	\	17.38	17.5	0.152	0.16	0.067	0.07	0.07
WLAN 5G	165	5825	Right Tilt	\	17.38	17.5	0.134	0.14	0.084	0.09	-0.12
WLAN 5G	56	5280	Left Tilt	B2	15.81	17.5	0.525	0.77	0.161	0.24	0.11
Frequency Band	Channel Number	Frequency (MHz)	Test setup	Figure No./Note	EUT Measured Power (dBm)	Tune up (dBm)	Measured SAR 1g (W/kg)	Calculated SAR 1g (W/kg)	Measured SAR 10g (W/kg)	Calculated SAR 10g (W/kg)	Power Drift
WLAN 5G	56	5280	11a-6M Front 10mm	\	15.81	17.5	0.270	0.40	0.088	0.13	-0.10
WLAN 5G	56	5280	11a-6M Rear 10mm	\	15.81	17.5	0.525	0.77	0.206	0.30	-0.06
WLAN 5G	56	5280	11a-6M Right Edge 10mm	\	15.81	17.5	0.551	0.81	0.193	0.28	-0.12
WLAN 5G	56	5280	11a-6M Right Edge 10mm	\	15.81	17.5	0.551	0.81	0.193	0.28	-0.12
WLAN 5G	60	5300	11a-6M Right Edge 10mm	\	15.74	17.5	0.520	0.78	0.184	0.28	0.19
WLAN 5G	56	5280	11a-6M Top Edge 10mm	\	15.81	17.5	0.371	0.55	0.142	0.21	-0.06
WLAN 5G	116	5580	11a-6M Front 10mm	\	16.68	17.5	0.222	0.27	0.077	0.09	0.10
WLAN 5G	116	5580	11a-6M Rear 10mm	Fig.A37	16.68	17.5	0.681	0.82	0.225	0.27	-0.06
WLAN 5G	124	5620	11a-6M Rear 10mm	\	16.68	17.5	0.656	0.79	0.201	0.24	0.11
WLAN 5G	116	5580	11a-6M Right Edge 10mm	\	16.68	17.5	0.404	0.49	0.149	0.18	0.04
WLAN 5G	116	5580	11a-6M Top Edge 10mm	\	16.68	17.5	0.393	0.47	0.138	0.17	-0.03
WLAN 5G	165	5825	11a-6M Front 10mm	\	17.38	17.5	0.184	0.19	0.068	0.07	0.10
WLAN 5G	165	5825	11a-6M Rear 10mm	\	17.38	17.5	0.430	0.44	0.149	0.15	0.15
WLAN 5G	165	5825	11a-6M Right Edge 10mm	\	17.38	17.5	0.271	0.28	0.105	0.11	-0.13
WLAN 5G	165	5825	11a-6M Top Edge 10mm	\	17.38	17.5	0.208	0.21	0.068	0.07	0.10
WLAN 5G	116	5580	11a-6M Rear 10mm	B2	16.68	17.5	0.661	0.80	0.201	0.24	0.09
Frequency Band	Channel Number	Frequency (MHz)	Test setup	Figure No./Note	EUT Measured Power (dBm)	Tune up (dBm)	Measured SAR 1g (W/kg)	Calculated SAR 1g (W/kg)	Measured SAR 10g (W/kg)	Calculated SAR 10g (W/kg)	Power Drift
WLAN 5G	56	5280	Left Cheek	\	14.15	16	0.311	0.48	0.095	0.15	0.03
WLAN 5G	56	5280	Left Tilt	Fig.A38	14.15	16	0.350	0.54	0.107	0.16	-0.01
WLAN 5G	64	5320	Left Cheek	\	14.08	16	0.301	0.47	0.085	0.13	0.02
WLAN 5G	64	5320	Left Tilt	\	14.08	16	0.339	0.53	0.094	0.15	0.11
WLAN 5G	56	5280	Right Cheek	\	14.15	16	0.116	0.18	0.037	0.06	-0.04
WLAN 5G	56	5280	Right Tilt	\	14.15	16	0.144	0.22	0.045	0.07	-0.01
WLAN 5G	140	5700	Left Cheek	\	14.93	16	0.180	0.23	0.058	0.07	0.16
WLAN 5G	140	5700	Left Tilt	\	14.93	16	0.197	0.25	0.063	0.08	-0.05
WLAN 5G	140	5700	Right Cheek	\	14.93	16	0.100	0.13	0.031	0.04	0.15
WLAN 5G	140	5700	Right Tilt	\	14.93	16	0.116	0.15	0.034	0.04	0.02
WLAN 5G	157	5785	Left Cheek	\	15.92	16	0.200	0.20	0.067	0.07	0.19
WLAN 5G	157	5785	Left Tilt	\	15.92	16	0.220	0.22	0.068	0.07	0.19
WLAN 5G	157	5785	Right Cheek	\	15.92	16	0.105	0.11	0.031	0.03	-0.10
WLAN 5G	157	5785	Right Tilt	\	15.92	16	0.105	0.11	0.032	0.03	0.11
WLAN 5G	56	5280	Left Tilt	B2	14.15	16	0.331	0.51	0.094	0.14	0.13
Frequency Band	Channel Number	Frequency (MHz)	Test setup	Figure No./Note	EUT Measured Power (dBm)	Tune up (dBm)	Measured SAR 1g (W/kg)	Calculated SAR 1g (W/kg)	Measured SAR 10g (W/kg)	Calculated SAR 10g (W/kg)	Power Drift
WLAN 5G	56	5280	11a-6M Front 10mm	\	14.15	16	0.138	0.21	0.043	0.07	-0.07
WLAN 5G	56	5280	11a-6M Rear 10mm	Fig.A39	14.15	16	0.348	0.53	0.116	0.18	-0.04
WLAN 5G	64	5320	11a-6M Rear 10mm	\	14.15	16	0.330	0.51	0.102	0.16	0.14
WLAN 5G	56	5280	11a-6M Right Edge 10mm	\	14.15	16	0.256	0.39	0.092	0.14	0.10
WLAN 5G	56	5280	11a-6M Top Edge 10mm	\	14.15	16	0.251	0.38	0.088	0.13	0.16
WLAN 5G	140	5700	11a-6M Front 10mm	\	14.93	16	0.144	0.18	0.052	0.07	-0.06
WLAN 5G	140	5700	11a-6M Rear 10mm	\	14.93	16	0.315	0.40	0.102	0.13	-0.09
WLAN 5G	140	5700	11a-6M Right Edge 10mm	\	14.93	16	0.185	0.24	0.067	0.09	0.07
WLAN 5G	140	5700	11a-6M Top Edge 10mm	\	14.93	16	0.154	0.20	0.053	0.07	0.08
WLAN 5G	157	5785	11a-6M Front 10mm	\	15.92	16	0.111	0.11	0.038	0.04	-0.14
WLAN 5G	157	5785	11a-6M Rear 10mm	\	15.92	16	0.264	0.27	0.086	0.09	-0.17
WLAN 5G	157	5785	11a-6M Right Edge 10mm	\	15.92	16	0.257	0.26	0.089	0.09	0.11
WLAN 5G	157	5785	11a-6M Top Edge 10mm	\	15.92	16	0.130	0.13	0.047	0.05	-0.03
WLAN 5G	56	5280	11a-6M Rear 10mm	B2	14.15	16	0.331	0.51	0.102	0.16	0.12

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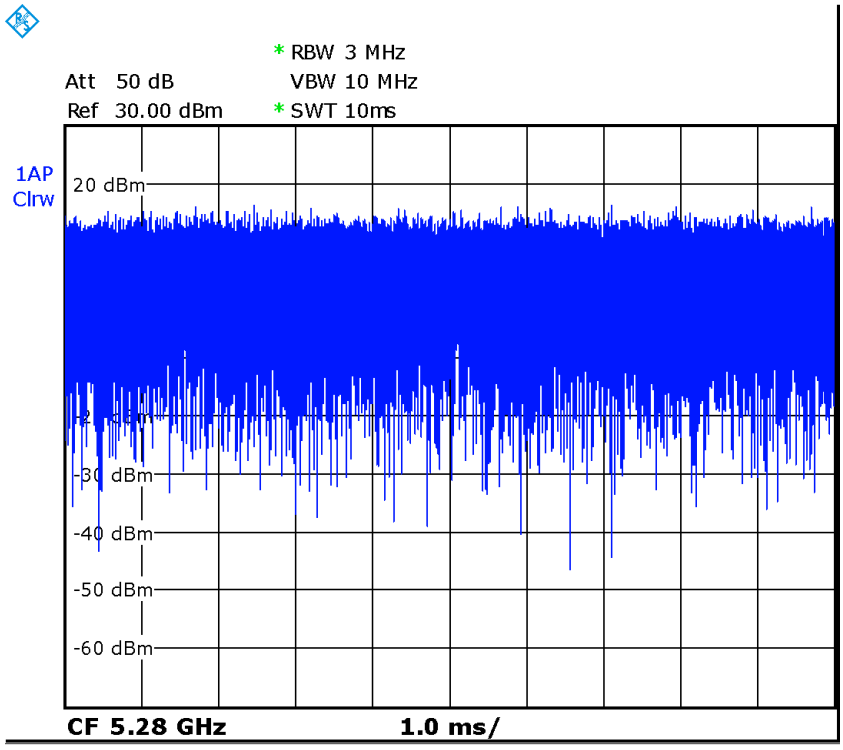
According to the KDB248227 D01, The reported SAR must be scaled to 100% transmission duty factor to determine compliance at the maximum tune-up tolerance limit. The scaled reported SAR is presented as below.

Table 14.3-14: SAR Values (WLAN 5G - Head) (Scaled Reported SAR)

Frequency		Side	Test Position	Actual duty factor	maximum duty factor	Reported SAR (1g) (W/kg)	Scaled reported SAR (1g) (W/kg)
Ch.	MHz						
56	5280	Left	Tilt	100%	100%	**0.80**	**0.80**

Table 14.3-15: SAR Values (WLAN 5G - Body) (Scaled Reported SAR)

Frequency		Test Position	Distance (mm)	Actual duty factor	maximum duty factor	Reported SAR (1g) (W/kg)	Scaled reported SAR (1g) (W/kg)
Ch.	MHz						
116	5580	Rear	10	100%	100%	**0.82**	**0.82**



Picture 14.3-1 The plot of duty factor for CH56

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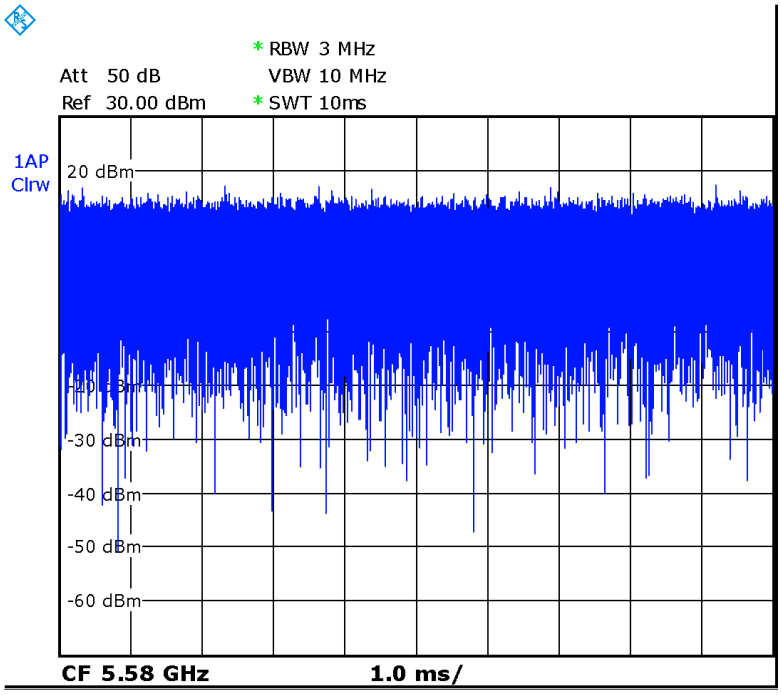

Picture 14.3-2 The plot of duty factor for CH116

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14.4 SAR results for BT

Table 14.4-1: SAR Values (BT - Head)

Frequency		Side	Test Position	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									
78	2480	Left	Cheek	8.54	9.5	<0.01	<0.01	<0.01	<0.01	/
78	2480	Left	Tilt	8.54	9.5	<0.01	<0.01	<0.01	<0.01	/
78	2480	Right	Cheek	8.54	9.5	<0.01	<0.01	<0.01	<0.01	/
78	2480	Right	Tilt	8.54	9.5	<0.01	<0.01	<0.01	<0.01	/

Table 14.4-2: SAR Values (BT - Body)

Frequency		Test Position	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								
78	2441	Front	8.54	9.5	<0.01	<0.01	<0.01	<0.01	/
78	2441	Rear	8.54	9.5	<0.01	<0.01	<0.01	<0.01	/
78	2441	Right	8.54	9.5	<0.01	<0.01	<0.01	<0.01	/
78	2441	Top	8.54	9.5	<0.01	<0.01	<0.01	<0.01	/

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

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15 SAR Measurement Variability

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

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

1) Repeated measurement is not required when the original highest measured SAR is < 0.80 W/kg; steps2) through 4) do not apply.

2) When the original highest measured SAR is ≥ 0.80 W/kg, repeat that measurement once.

3) Perform a second repeated measurement only if the ratio of largest to smallest SAR for the original and first repeated measurements is > 1.20 or when the original or repeated measurement is ≥ 1.45W/kg (~ 10% from the 1-g SAR limit).

4) Perform a third repeated measurement only if the original, first or second repeated measurement is ≥1.5 W/kg and the ratio of largest to smallest SAR for the original, first and second repeated measurements is > 1.20

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16 Measurement Uncertainty

16.1 Measurement Uncertainty for Normal SAR Tests (300MHz~3GHz)

No.	Error Description	Type	Uncertainty value	Probably Distribution	Div.	(Ci) 1g	(Ci) 10g	Std. Unc. (1g)	Std. Unc. (10g)	Degree of freedom
Measurement system										
1	Probe calibration	B	6.0	N	1	1	1	6.0	6.0	∞
2	Isotropy	B	4.7	R	$\sqrt{3}$	0.7	0.7	1.9	1.9	∞
3	Boundary effect	B	1.0	R	$\sqrt{3}$	1	1	0.6	0.6	∞
4	Linearity	B	4.7	R	$\sqrt{3}$	1	1	2.7	2.7	∞
5	Detection limit	B	1.0	N	1	1	1	0.6	0.6	∞
6	Readout electronics	B	0.3	R	$\sqrt{3}$	1	1	0.3	0.3	∞
7	Response time	B	0.8	R	$\sqrt{3}$	1	1	0.5	0.5	∞
8	Integration time	B	2.6	R	$\sqrt{3}$	1	1	1.5	1.5	∞
9	RF ambient conditions-noise	B	0	R	$\sqrt{3}$	1	1	0	0	∞
10	RFambient conditions-reflection	B	0	R	$\sqrt{3}$	1	1	0	0	∞
11	Probe positioned mech. restrictions	B	0.4	R	$\sqrt{3}$	1	1	0.2	0.2	∞
12	Probe positioning with respect to phantom shell	B	2.9	R	$\sqrt{3}$	1	1	1.7	1.7	∞
13	Post-processing	B	1.0	R	$\sqrt{3}$	1	1	0.6	0.6	∞
Test sample related										
14	Test sample positioning	A	3.3	N	1	1	1	3.3	3.3	71
15	Device holder uncertainty	A	3.4	N	1	1	1	3.4	3.4	5
16	Drift of output power	B	5.0	R	$\sqrt{3}$	1	1	2.9	2.9	∞
Phantom and set-up										
17	Phantom uncertainty	B	4.0	R	$\sqrt{3}$	1	1	2.3	2.3	∞
18	Liquid conductivity (target)	B	5.0	R	$\sqrt{3}$	0.64	0.43	1.8	1.2	∞
19	Liquid conductivity (meas.)	A	2.06	N	1	0.64	0.43	1.32	0.89	43
20	Liquid permittivity (target)	B	5.0	R	$\sqrt{3}$	0.6	0.49	1.7	1.4	∞
21	Liquid permittivity (meas.)	A	1.6	N	1	0.6	0.49	1.0	0.8	521

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Combined standard uncertainty	$u_c' = \sqrt{\sum_{i=1}^{21} c_i^2 u_i^2}$					9.55	9.43	257
Expanded uncertainty (confidence interval of 95 %)	$u_e = 2u_c$					19.1	18.9	

16.2 Measurement Uncertainty for Normal SAR Tests (3~6GHz)

No.	Error Description	Type	Uncertainty value	Probably Distribution	Div.	(Ci) 1g	(Ci) 10g	Std. Unc. (1g)	Std. Unc. (10g)	Degree of freedom
Measurement system										
1	Probe calibration	B	6.55	N	1	1	1	6.55	6.55	∞
2	Isotropy	B	4.7	R	√3	0.7	0.7	1.9	1.9	∞
3	Boundary effect	B	2.0	R	√3	1	1	1.2	1.2	∞
4	Linearity	B	4.7	R	√3	1	1	2.7	2.7	∞
5	Detection limit	B	1.0	R	√3	1	1	0.6	0.6	∞
6	Readout electronics	B	0.3	R	√3	1	1	0.3	0.3	∞
7	Response time	B	0.8	R	√3	1	1	0.5	0.5	∞
8	Integration time	B	2.6	R	√3	1	1	1.5	1.5	∞
9	RF ambient conditions-noise	B	0	R	√3	1	1	0	0	∞
10	RFambient conditions-reflection	B	0	R	√3	1	1	0	0	∞
11	Probe positioned mech. restrictions	B	0.8	R	√3	1	1	0.5	0.5	∞
12	Probe positioning with respect to phantom shell	B	6.7	R	√3	1	1	3.9	3.9	∞
13	Post-processing	B	4.0	R	√3	1	1	2.3	2.3	∞
Test sample related										
14	Test sample positioning	A	3.3	N	1	1	1	3.3	3.3	71
15	Device holder uncertainty	A	3.4	N	1	1	1	3.4	3.4	5
16	Drift of output power	B	5.0	R	√3	1	1	2.9	2.9	∞
Phantom and set-up										
17	Phantom uncertainty	B	4.0	R	√3	1	1	2.3	2.3	∞
18	Liquid conductivity (target)	B	5.0	R	√3	0.64	0.43	1.8	1.2	∞
19	Liquid conductivity (meas.)	A	2.06	N	1	0.64	0.43	1.32	0.89	43
20	Liquid permittivity (target)	B	5.0	R	√3	0.6	0.49	1.7	1.4	∞

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21	Liquid permittivity (meas.)	A	1.6	N	1	0.6	0.49	1.0	0.8	521
Combined standard uncertainty		$u_c' = \sqrt{\sum_{i=1}^{21} c_i^2 u_i^2}$						10.7	10.6	257
Expanded uncertainty (confidence interval of 95 %)		$u_e = 2u_c$						21.4	21.1	

16.3 Measurement Uncertainty for Fast SAR Tests (300MHz~3GHz)

No.	Error Description	Type	Uncertainty value	Probably Distribution	Div.	(Ci) 1g	(Ci) 10g	Std. Unc. (1g)	Std. Unc. (10g)	Degree of freedom
Measurement system										
1	Probe calibration	B	6.0	N	1	1	1	6.0	6.0	∞
2	Isotropy	B	4.7	R	$\sqrt{3}$	0.7	0.7	1.9	1.9	∞
3	Boundary effect	B	1.0	R	$\sqrt{3}$	1	1	0.6	0.6	∞
4	Linearity	B	4.7	R	$\sqrt{3}$	1	1	2.7	2.7	∞
5	Detection limit	B	1.0	R	$\sqrt{3}$	1	1	0.6	0.6	∞
6	Readout electronics	B	0.3	R	$\sqrt{3}$	1	1	0.3	0.3	∞
7	Response time	B	0.8	R	$\sqrt{3}$	1	1	0.5	0.5	∞
8	Integration time	B	2.6	R	$\sqrt{3}$	1	1	1.5	1.5	∞
9	RF ambient conditions-noise	B	0	R	$\sqrt{3}$	1	1	0	0	∞
10	RFambient conditions-reflection	B	0	R	$\sqrt{3}$	1	1	0	0	∞
11	Probe positioned mech. Restrictions	B	0.4	R	$\sqrt{3}$	1	1	0.2	0.2	∞
12	Probe positioning with respect to phantom shell	B	2.9	R	$\sqrt{3}$	1	1	1.7	1.7	∞
13	Post-processing	B	1.0	R	$\sqrt{3}$	1	1	0.6	0.6	∞
14	Fast SAR z-Approximation	B	7.0	R	$\sqrt{3}$	1	1	4.0	4.0	∞
Test sample related										
15	Test sample positioning	A	3.3	N	1	1	1	3.3	3.3	71
16	Device holder uncertainty	A	3.4	N	1	1	1	3.4	3.4	5
17	Drift of output power	B	5.0	R	$\sqrt{3}$	1	1	2.9	2.9	∞
Phantom and set-up										
18	Phantom uncertainty	B	4.0	R	$\sqrt{3}$	1	1	2.3	2.3	∞
19	Liquid conductivity (target)	B	5.0	R	$\sqrt{3}$	0.64	0.43	1.8	1.2	∞

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20	Liquid conductivity (meas.)	A	2.06	N	1	0.64	0.43	1.32	0.89	43
21	Liquid permittivity (target)	B	5.0	R	$\sqrt{3}$	0.6	0.49	1.7	1.4	∞
22	Liquid permittivity (meas.)	A	1.6	N	1	0.6	0.49	1.0	0.8	521
Combined standard uncertainty		$u_c^{'} = \sqrt{\sum_{i=1}^{22} c_i^2 u_i^2}$						10.4	10.3	257
Expanded uncertainty (confidence interval of 95 %)		$u_e = 2u_c$						20.8	20.6	

16.4 Measurement Uncertainty for Fast SAR Tests (3~6GHz)

No.	Error Description	Type	Uncertainty value	Probably Distribution	Div.	(Ci) 1g	(Ci) 10g	Std. Unc. (1g)	Std. Unc. (10g)	Degree of freedom
Measurement system										
1	Probe calibration	B	6.55	N	1	1	1	6.55	6.55	∞
2	Isotropy	B	4.7	R	$\sqrt{3}$	0.7	0.7	1.9	1.9	∞
3	Boundary effect	B	2.0	R	$\sqrt{3}$	1	1	1.2	1.2	∞
4	Linearity	B	4.7	R	$\sqrt{3}$	1	1	2.7	2.7	∞
5	Detection limit	B	1.0	R	$\sqrt{3}$	1	1	0.6	0.6	∞
6	Readout electronics	B	0.3	R	$\sqrt{3}$	1	1	0.3	0.3	∞
7	Response time	B	0.8	R	$\sqrt{3}$	1	1	0.5	0.5	∞
8	Integration time	B	2.6	R	$\sqrt{3}$	1	1	1.5	1.5	∞
9	RF ambient conditions-noise	B	0	R	$\sqrt{3}$	1	1	0	0	∞
10	RFambient conditions-reflection	B	0	R	$\sqrt{3}$	1	1	0	0	∞
11	Probe positioned mech. Restrictions	B	0.8	R	$\sqrt{3}$	1	1	0.5	0.5	∞
12	Probe positioning with respect to phantom shell	B	6.7	R	$\sqrt{3}$	1	1	3.9	3.9	∞
13	Post-processing	B	1.0	R	$\sqrt{3}$	1	1	0.6	0.6	∞
14	Fast SAR z-Approximation	B	14.0	R	$\sqrt{3}$	1	1	8.1	8.1	∞
Test sample related										
15	Test sample positioning	A	3.3	N	1	1	1	3.3	3.3	71
16	Device holder uncertainty	A	3.4	N	1	1	1	3.4	3.4	5

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17	Drift of output power	B	5.0	R	$\sqrt{3}$	1	1	2.9	2.9	∞
Phantom and set-up										
18	Phantom uncertainty	B	4.0	R	$\sqrt{3}$	1	1	2.3	2.3	∞
19	Liquid conductivity (target)	B	5.0	R	$\sqrt{3}$	0.64	0.43	1.8	1.2	∞
20	Liquid conductivity (meas.)	A	2.06	N	1	0.64	0.43	1.32	0.89	43
21	Liquid permittivity (target)	B	5.0	R	$\sqrt{3}$	0.6	0.49	1.7	1.4	∞
22	Liquid permittivity (meas.)	A	1.6	N	1	0.6	0.49	1.0	0.8	521
Combined standard uncertainty		$u_c' = \sqrt{\sum_{i=1}^{22} c_i^2 u_i^2}$						13.5	13.4	257
Expanded uncertainty (confidence interval of 95 %)		$u_e = 2u_c$						27.0	26.8	

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17 MAIN TEST INSTRUMENTS

Table 17.1: List of Main Instruments

No.	Name	Type	Serial Number	Calibration Date	Valid Period
01	Network analyzer	E5071C	MY46110673	January 10, 2023	One year
02	Power sensor	NRP110T	101139	January 13, 2023	One year
03	Power sensor	NRP110T	101159	January 13, 2023	One year
04	Signal Generator	E4438C	MY49071430	January 19, 2023	One year
05	Amplifier	60S1G4	0331848	No Calibration Requested	
06	BTS	CMW500	159890	January 12, 2023	One year
07	E-field Probe	SPEAG EX3DV4	3846	May 31, 2023	One year
08	DAE	SPEAG DAE4	549	January 23, 2023	One year
09	Dipole Validation Kit	SPEAG D750V3	1196	May 24,,2023	One year
10	Dipole Validation Kit	SPEAG D835V2	4d260	May 23,,2023	One year
11	Dipole Validation Kit	SPEAG D1800V2	2d222	May 23,,2023	One year
12	Dipole Validation Kit	SPEAG D1900V2	5d234	May 22,,2023	One year
13	Dipole Validation Kit	SPEAG D2450V2	853	July 20,2022	One year
14	Dipole Validation Kit	SPEAG D2600V2	1012	July 20,2022	One year
15	Dipole Validation Kit	SPEAG D5GHzV2	1060	June 19,2023	One year

END OF REPORT BODY

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ANNEX A Graph Results

GSM850_CH251 Left Cheek 2TX

Date: 7/24/2023
Electronics: DAE4 Sn549
Medium: head 835 MHz
Medium parameters used: f = 848.8; σ = 0.897 mho/m; εr = 41.43; ρ = 1000 kg/m^3
Ambient Temperature: 22.5°C, Liquid Temperature: 22.3°C
Communication System: GSM850 848.8 Duty Cycle: 1:4
Probe: EX3DV4 – SN3846 ConvF(8.50,9.01,9.47)

Area Scan (71x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.145 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 2.381 V/m; Power Drift = 0.23 dB
Peak SAR (extrapolated) = 0.16 W/kg
SAR(1 g) = 0.129 W/kg; SAR(10 g) = 0.099 W/kg
Maximum value of SAR (measured) = 0.152 W/kg

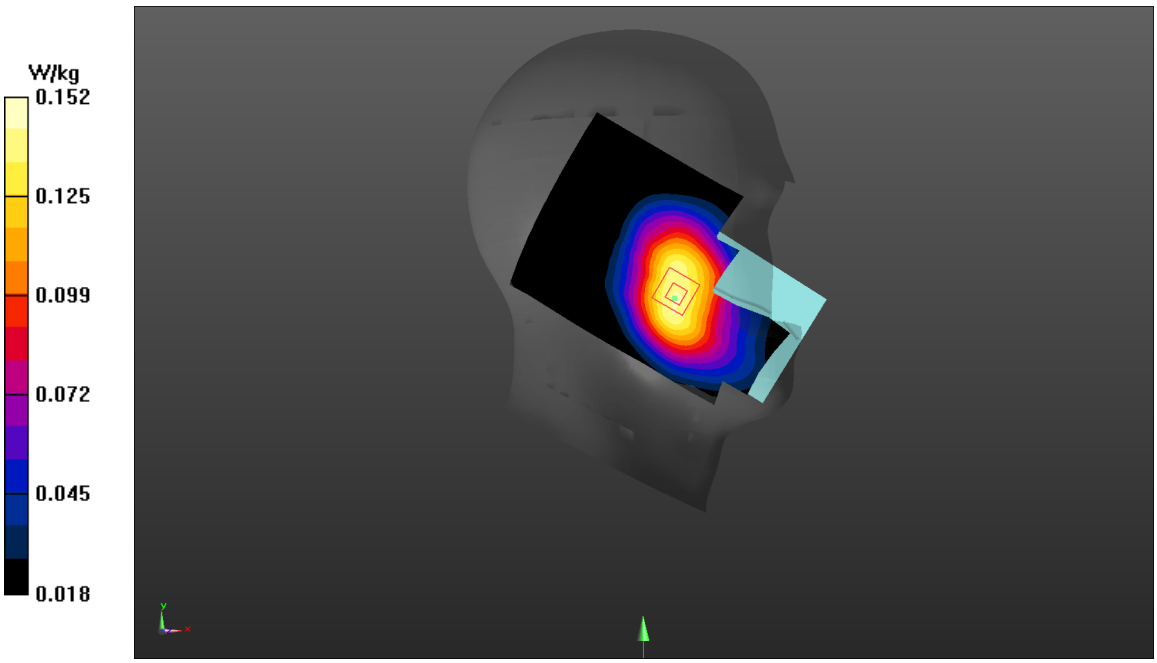

Fig A.1

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GSM850_CH251 Rear 2TX 10mm

Date: 7/24/2023
Electronics: DAE4 Sn549
Medium: body 835 MHz
Medium parameters used: f = 848.8; σ = 0.897 mho/m; εr = 41.43; ρ = 1000 kg/m^3
Ambient Temperature: 22.5°C, Liquid Temperature: 22.3°C
Communication System: GSM850 848.8 Duty Cycle: 1:4
Probe: EX3DV4 – SN3846 ConvF(8.50,9.01,9.47)

Area Scan (71x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.1 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 10.09 V/m; Power Drift = 0.01 dB
Peak SAR (extrapolated) = 0.146 W/kg
SAR(1 g) = 0.09 W/kg; SAR(10 g) = 0.056 W/kg
Maximum value of SAR (measured) = 0.0973 W/kg

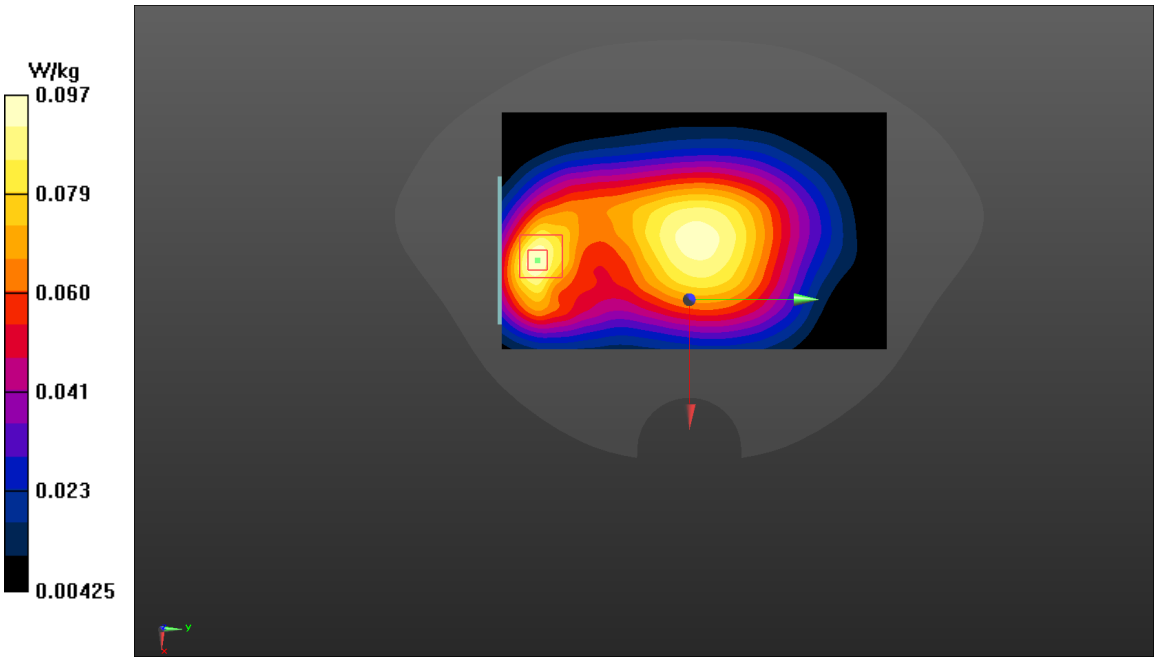

Fig A.2

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PCS1900_CH810 Right Tilt 2TX

Date: 7/26/2023
Electronics: DAE4 Sn549
Medium: head 1900 MHz
Medium parameters used: f = 1909.8; σ = 1.392 mho/m; εr = 39.32; ρ = 1000 kg/m^3
Ambient Temperature: 22.5°C, Liquid Temperature: 22.3°C
Communication System: PCS1900 1909.8 Duty Cycle: 1:4
Probe: EX3DV4 – SN3846 ConvF(7.27,7.55,8.11)

Area Scan (71x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.187 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 5.754 V/m; Power Drift = -0.05 dB
Peak SAR (extrapolated) = 0.2 W/kg
SAR(1 g) = 0.136 W/kg; SAR(10 g) = 0.084 W/kg
Maximum value of SAR (measured) = 0.145 W/kg

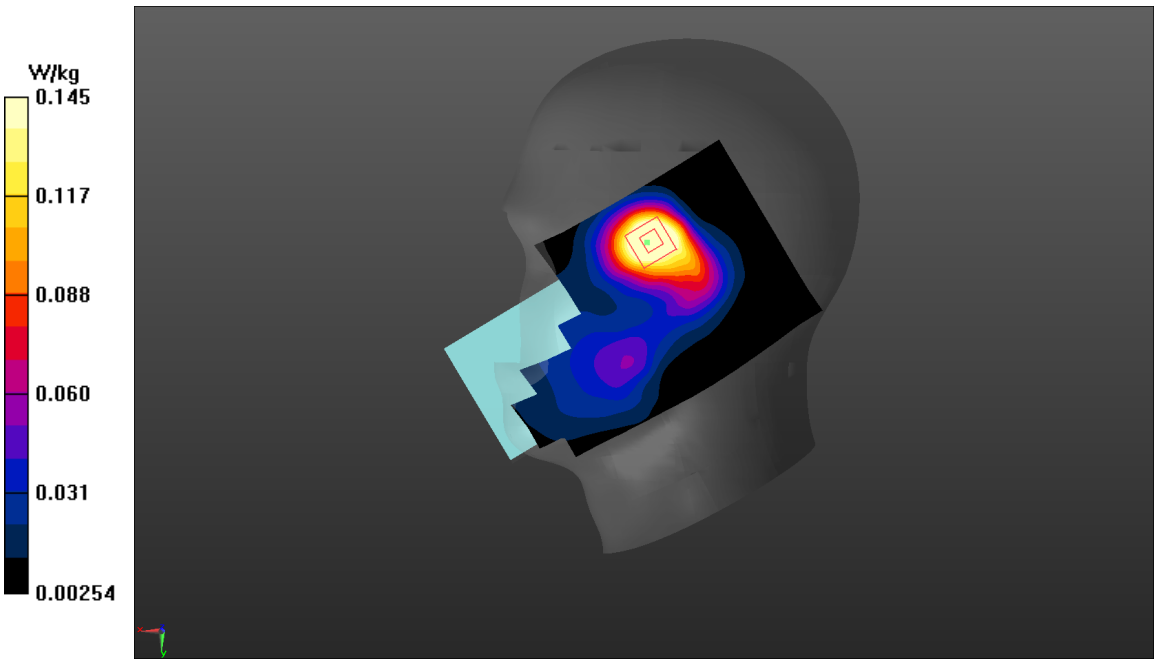

Fig A.3

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PCS1900_CH661 Rear 2TX 10mm

Date: 7/26/2023
Electronics: DAE4 Sn549
Medium: body 1900 MHz
Medium parameters used: f = 1880; σ = 1.363 mho/m; εr = 39.35; ρ = 1000 kg/m^3
Ambient Temperature: 22.5°C, Liquid Temperature: 22.3°C
Communication System: PCS1900 1880 Duty Cycle: 1:4
Probe: EX3DV4 – SN3846 ConvF(7.27,7.55,8.11)

Area Scan (71x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.249 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 6.605 V/m; Power Drift = -0.21 dB
Peak SAR (extrapolated) = 0.375 W/kg
SAR(1 g) = 0.227 W/kg; SAR(10 g) = 0.134 W/kg
Maximum value of SAR (measured) = 0.242 W/kg

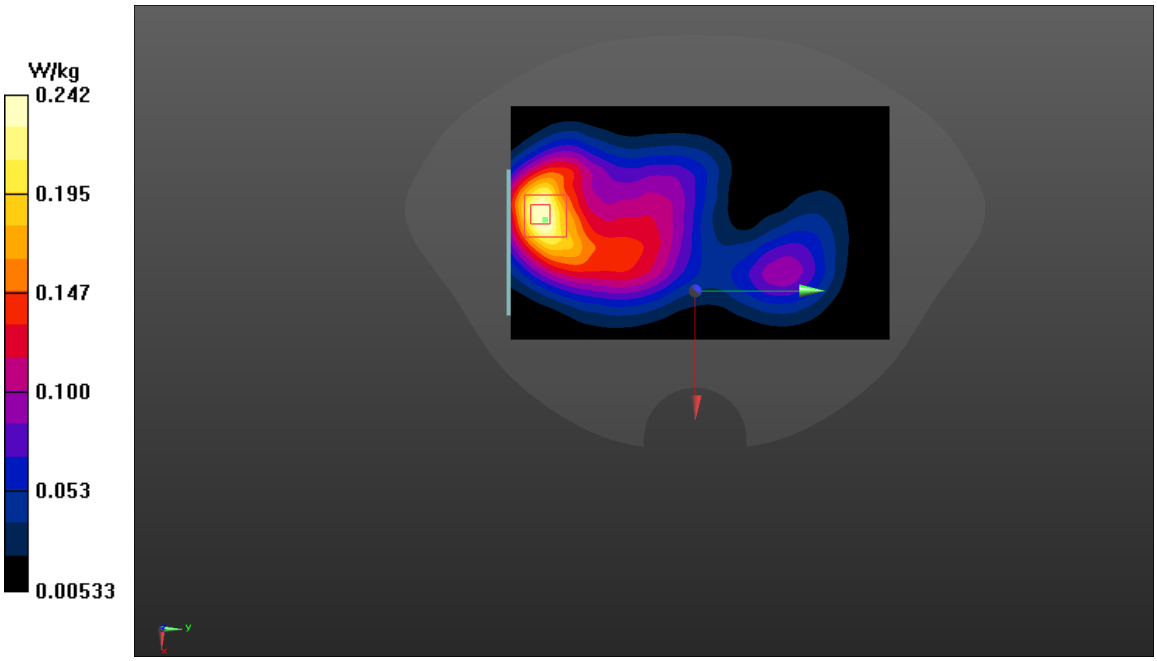

Fig A.4

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PCS1900_CH661 Rear 2TX 15mm

Date: 7/26/2023
Electronics: DAE4 Sn549
Medium: body 1900 MHz
Medium parameters used: f = 1880; σ = 1.363 mho/m; εr = 39.35; ρ = 1000 kg/m^3
Ambient Temperature: 22.5°C, Liquid Temperature: 22.3°C
Communication System: PCS1900 1880 Duty Cycle: 1:4
Probe: EX3DV4 – SN3846 ConvF(7.27,7.55,8.11)

Area Scan (71x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.147 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 6.162 V/m; Power Drift = 0.19 dB
Peak SAR (extrapolated) = 0.223 W/kg
SAR(1 g) = 0.139 W/kg; SAR(10 g) = 0.085 W/kg
Maximum value of SAR (measured) = 0.147 W/kg

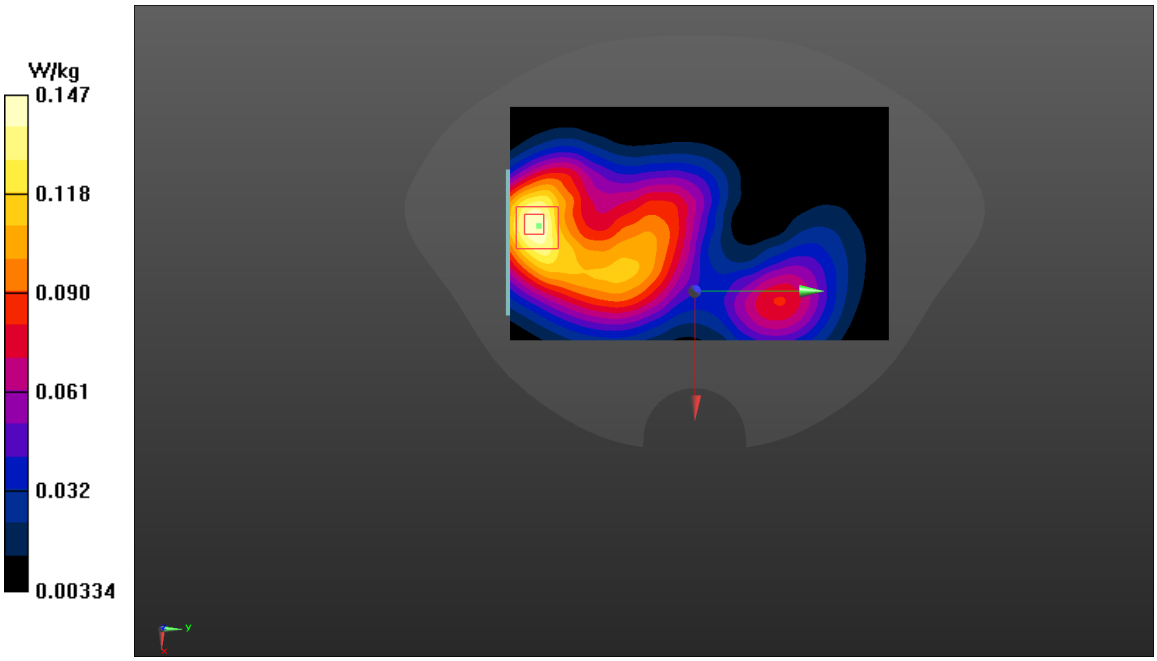

Fig A.5

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WCDMA1900-BII_CH9538 Right Cheek

Date: 7/26/2023
Electronics: DAE4 Sn549
Medium: head 1900 MHz
Medium parameters used: f = 1907.6; σ = 1.39 mho/m; εr = 39.32; ρ = 1000 kg/m^3
Ambient Temperature: 22.5°C, Liquid Temperature: 22.3°C
Communication System: WCDMA1900-BII 1907.6 Duty Cycle: 1:1
Probe: EX3DV4 – SN3846 ConvF(7.27,7.55,8.11)

Area Scan (71x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.213 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 3.395 V/m; Power Drift = -0.17 dB
Peak SAR (extrapolated) = 0.217 W/kg
SAR(1 g) = 0.135 W/kg; SAR(10 g) = 0.085 W/kg
Maximum value of SAR (measured) = 0.150 W/kg

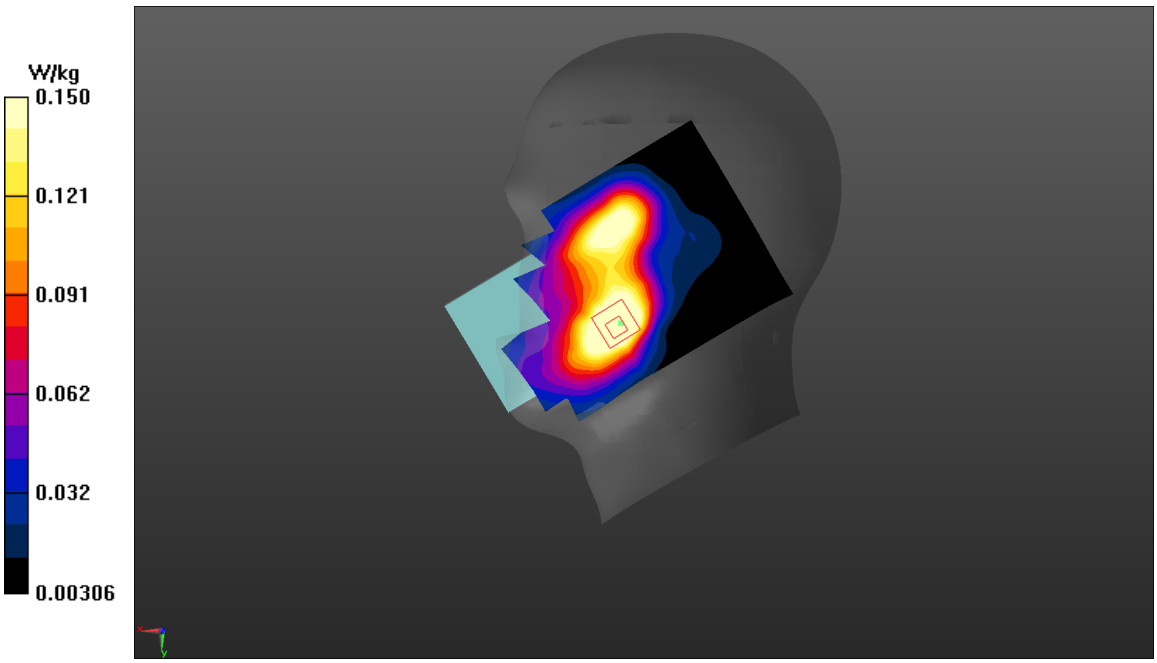

Fig A.6

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WCDMA1900-BII_CH9538 Rear 10mm

Date: 7/26/2023
Electronics: DAE4 Sn549
Medium: body 1900 MHz
Medium parameters used: f = 1907.6; σ = 1.39 mho/m; εr = 39.32; ρ = 1000 kg/m^3
Ambient Temperature: 22.5°C, Liquid Temperature: 22.3°C
Communication System: WCDMA1900-BII 1907.6 Duty Cycle: 1:1
Probe: EX3DV4 – SN3846 ConvF(7.27,7.55,8.11)

Area Scan (71x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.534 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 11.9 V/m; Power Drift = -0.01 dB
Peak SAR (extrapolated) = 0.805 W/kg
SAR(1 g) = 0.485 W/kg; SAR(10 g) = 0.284 W/kg
Maximum value of SAR (measured) = 0.531 W/kg

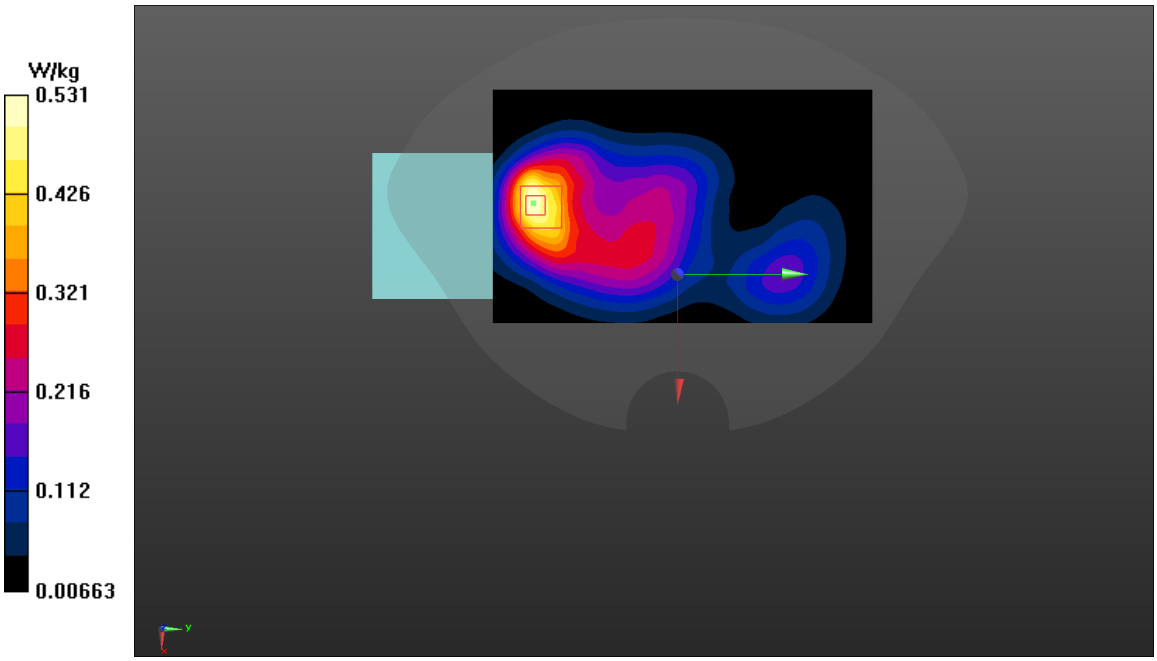

Fig A.7

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WCDMA1900-BII_CH9400 Rear 15mm

Date: 7/26/2023
Electronics: DAE4 Sn549
Medium: body 1900 MHz
Medium parameters used: f = 1880; σ = 1.363 mho/m; εr = 39.35; ρ = 1000 kg/m^3
Ambient Temperature: 22.5°C, Liquid Temperature: 22.3°C
Communication System: WCDMA1900-BII 1880 Duty Cycle: 1:1
Probe: EX3DV4 – SN3846 ConvF(7.27,7.55,8.11)

Area Scan (71x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.347 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 11.56 V/m; Power Drift = 0.22 dB
Peak SAR (extrapolated) = 0.506 W/kg
SAR(1 g) = 0.317 W/kg; SAR(10 g) = 0.193 W/kg
Maximum value of SAR (measured) = 0.341 W/kg

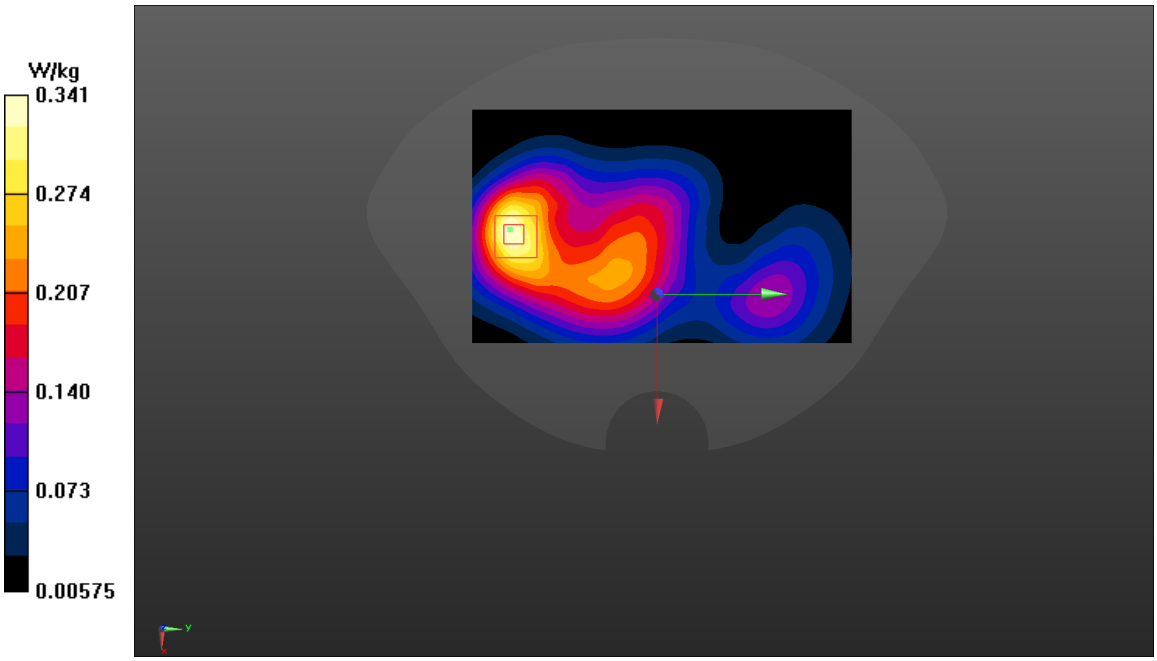

Fig A.8

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WCDMA1700-BIV_CH1412 Left Cheek

Date: 7/25/2023
Electronics: DAE4 Sn549
Medium: head 1800 MHz
Medium parameters used: f = 1732.4; σ = 1.357 mho/m; εr = 39.46; ρ = 1000 kg/m^3
Ambient Temperature: 22.5°C, Liquid Temperature: 22.3°C
Communication System: WCDMA1700-BIV 1732.4 Duty Cycle: 1:1
Probe: EX3DV4 – SN3846 ConvF(7.47,7.79,8.45)

Area Scan (71x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.168 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 3.695 V/m; Power Drift = 0.16 dB
Peak SAR (extrapolated) = 0.195 W/kg
SAR(1 g) = 0.085 W/kg; SAR(10 g) = 0.054 W/kg
Maximum value of SAR (measured) = 0.141 W/kg

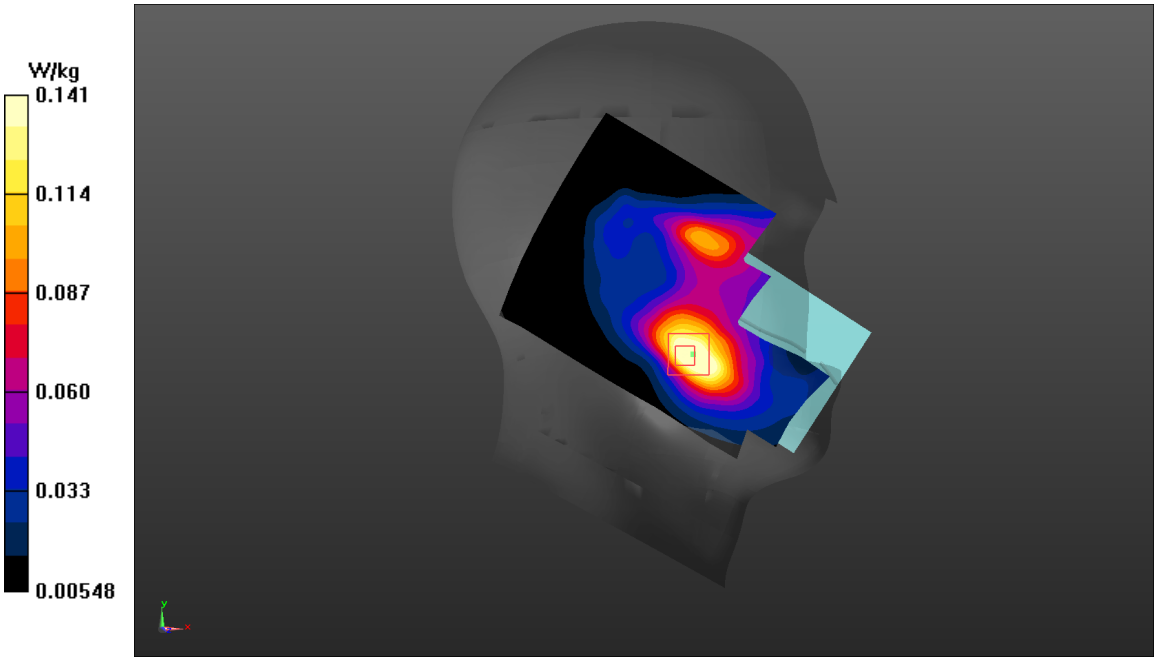

Fig A.9

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WCDMA1700-BIV_CH1412 Rear 10mm

Date: 7/25/2023
Electronics: DAE4 Sn549
Medium: body 1800 MHz
Medium parameters used: f = 1732.5; σ = 1.357 mho/m; εr = 39.46; ρ = 1000 kg/m^3
Ambient Temperature: 22.5°C, Liquid Temperature: 22.3°C
Communication System: WCDMA1700-BIV 1732.5 Duty Cycle: 1:1
Probe: EX3DV4 – SN3846 ConvF(7.47,7.79,8.45)

Area Scan (71x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.52 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 7.762 V/m; Power Drift = 0.04 dB
Peak SAR (extrapolated) = 0.755 W/kg
SAR(1 g) = 0.475 W/kg; SAR(10 g) = 0.285 W/kg
Maximum value of SAR (measured) = 0.513 W/kg

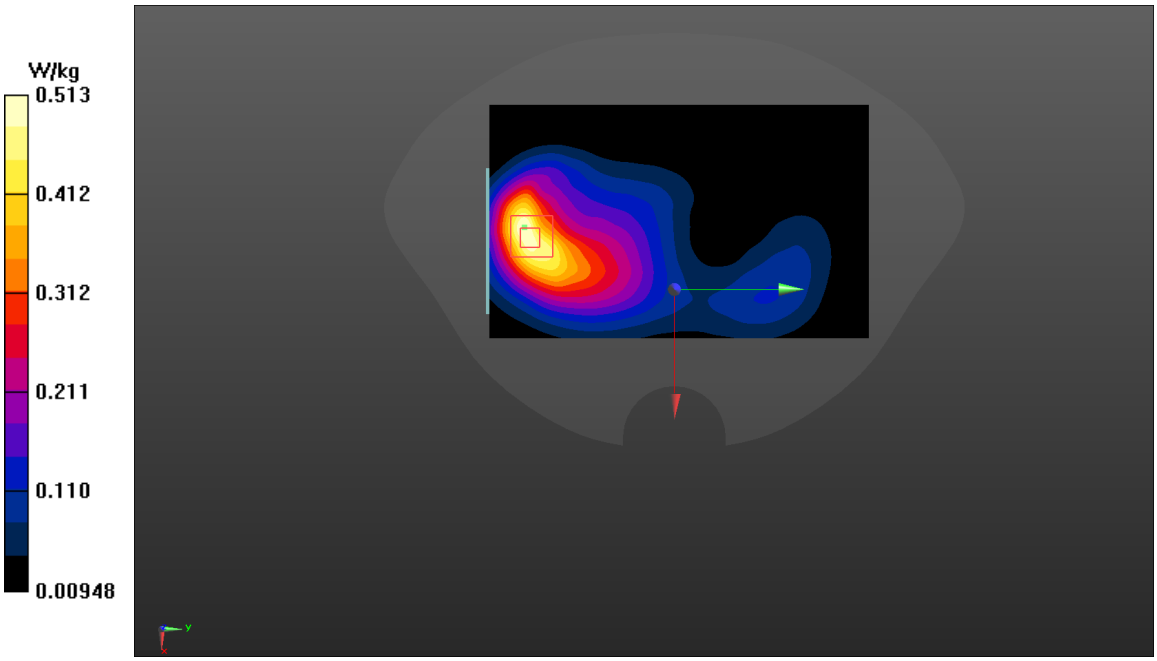

Fig A.10

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WCDMA1700-BIV_CH1412 Rear 15mm

Date: 7/25/2023
Electronics: DAE4 Sn549
Medium: body 1800 MHz
Medium parameters used: f = 1732.5; σ = 1.357 mho/m; εr = 39.46; ρ = 1000 kg/m^3
Ambient Temperature: 22.5°C, Liquid Temperature: 22.3°C
Communication System: WCDMA1700-BIV 1732.5 Duty Cycle: 1:1
Probe: EX3DV4 – SN3846 ConvF(7.47,7.79,8.45)

Area Scan (71x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.234 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 6.75 V/m; Power Drift = 0.02 dB
Peak SAR (extrapolated) = 0.326 W/kg
SAR(1 g) = 0.216 W/kg; SAR(10 g) = 0.139 W/kg
Maximum value of SAR (measured) =0.229 W/kg

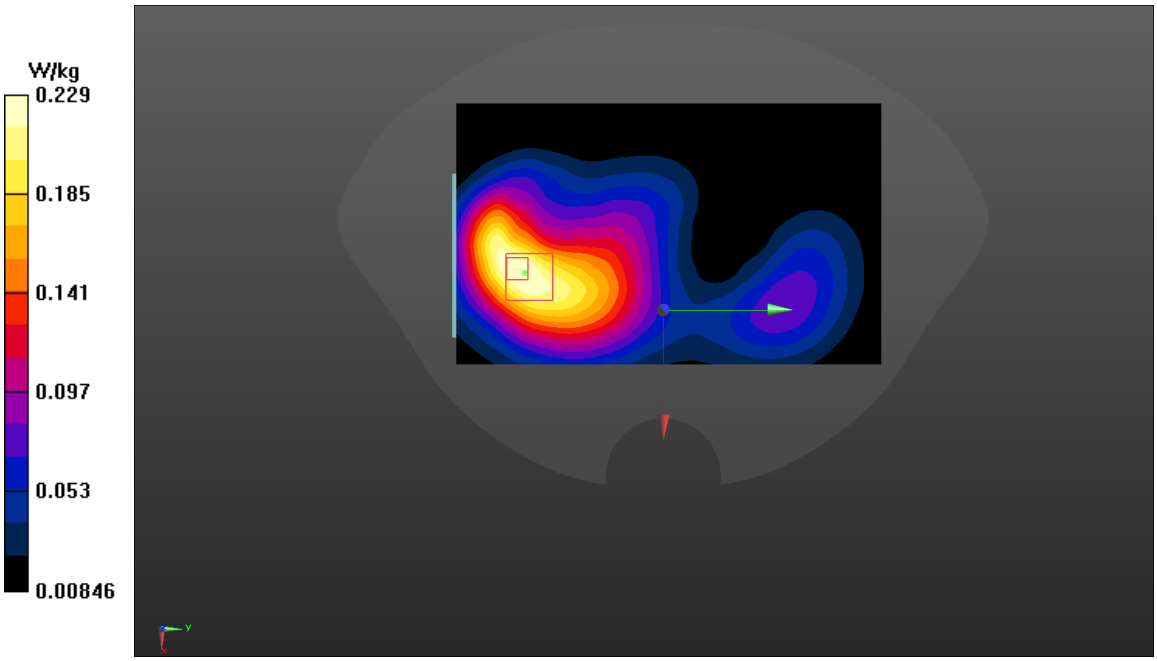

Fig A.11

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WCDMA850-BV_CH4233 Right Tilt

Date: 7/24/2023
Electronics: DAE4 Sn549
Medium: head 835 MHz
Medium parameters used: f = 846.6; σ = 0.895 mho/m; εr = 41.44; ρ = 1000 kg/m^3
Ambient Temperature: 22.5°C, Liquid Temperature: 22.3°C
Communication System: WCDMA850-BV 846.6 Duty Cycle: 1:1
Probe: EX3DV4 – SN3846 ConvF(8.50,9.01,9.47)

Area Scan (71x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.679 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 18.04 V/m; Power Drift = -0.06 dB
Peak SAR (extrapolated) = 1.13 W/kg
SAR(1 g) = 0.504 W/kg; SAR(10 g) = 0.276 W/kg
Maximum value of SAR (measured) = 0.544 W/kg

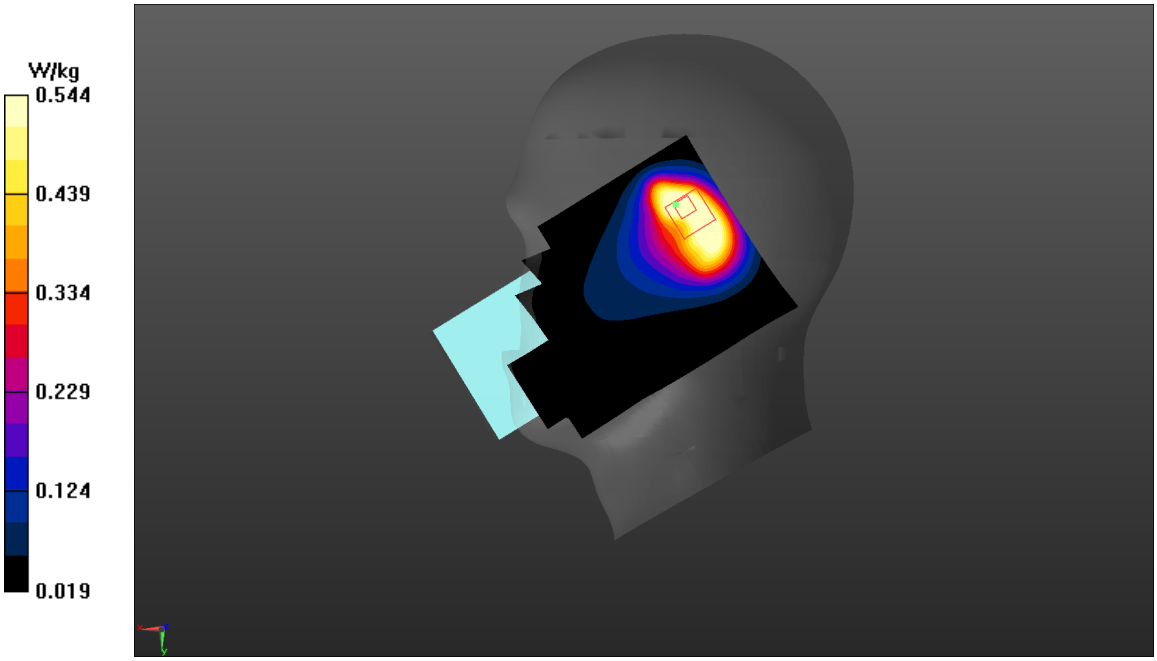

Fig A.12

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WCDMA850-BV_CH4182 Top Edge 10mm

Date: 7/24/2023
Electronics: DAE4 Sn549
Medium: body 835 MHz
Medium parameters used: f = 836.6; σ = 0.886 mho/m; εr = 41.45; ρ = 1000 kg/m^3
Ambient Temperature: 22.5°C, Liquid Temperature: 22.3°C
Communication System: WCDMA850-BV 836.6 Duty Cycle: 1:1
Probe: EX3DV4 – SN3846 ConvF(8.50,9.01,9.47)

Area Scan (71x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.619 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 19.34 V/m; Power Drift = 0.23 dB
Peak SAR (extrapolated) = 0.991 W/kg
SAR(1 g) = 0.54 W/kg; SAR(10 g) = 0.296 W/kg
Maximum value of SAR (measured) = 0.596 W/kg

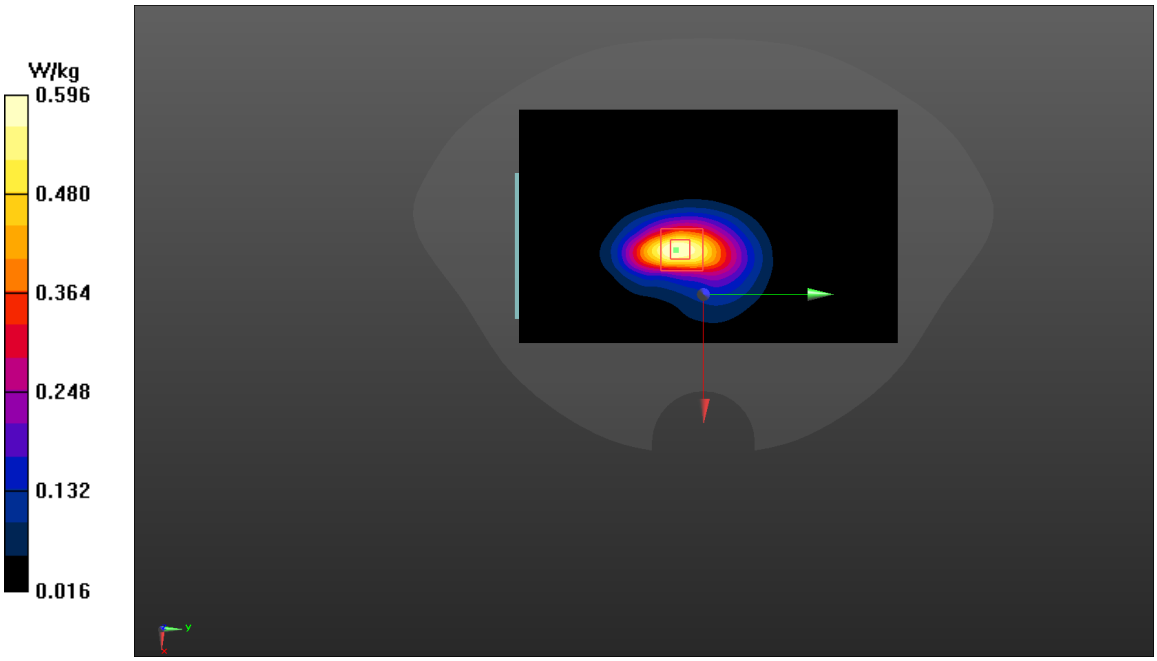

Fig A.13

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LTE1900-FDD2_CH18900 Right Cheek 50RB-Middle

Date: 7/26/2023
Electronics: DAE4 Sn549
Medium: head 1900 MHz
Medium parameters used: f = 1880 MHz; σ = 1.363 mho/m; εr = 39.35; ρ = 1000 kg/m^3
Ambient Temperature: 22.5°C, Liquid Temperature: 22.3°C
Communication System: LTE1900-FDD2 1880 MHz Duty Cycle: 1:1
Probe: EX3DV4 – SN3846 ConvF(7.27,7.55,8.11)

Area Scan (71x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.236 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 3.54 V/m; Power Drift = 0.22 dB
Peak SAR (extrapolated) = 0.253 W/kg
SAR(1 g) = 0.167 W/kg; SAR(10 g) = 0.107 W/kg
Maximum value of SAR (measured) =0.178 W/kg

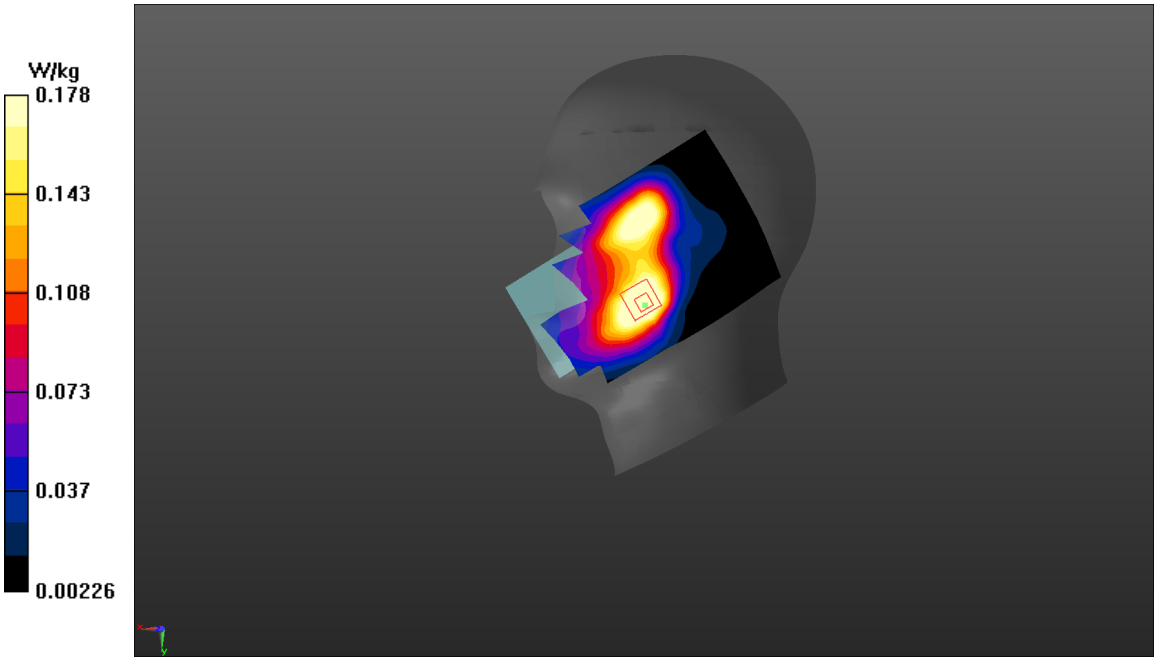

Fig A.14

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LTE1900-FDD2_CH18900 Rear 1RB-Low 10mm

Date: 7/26/2023
Electronics: DAE4 Sn549
Medium: body 1900 MHz
Medium parameters used: f = 1880 MHz; σ = 1.363 mho/m; εr = 39.35; ρ = 1000 kg/m^3
Ambient Temperature: 22.5°C, Liquid Temperature: 22.3°C
Communication System: LTE1900-FDD2 1880 MHz Duty Cycle: 1:1
Probe: EX3DV4 – SN3846 ConvF(7.27,7.55,8.11)

Area Scan (71x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.519 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 10.91 V/m; Power Drift = 0.21 dB
Peak SAR (extrapolated) = 0.746 W/kg
SAR(1 g) = 0.457 W/kg; SAR(10 g) = 0.272 W/kg
Maximum value of SAR (measured) = 0.497 W/kg

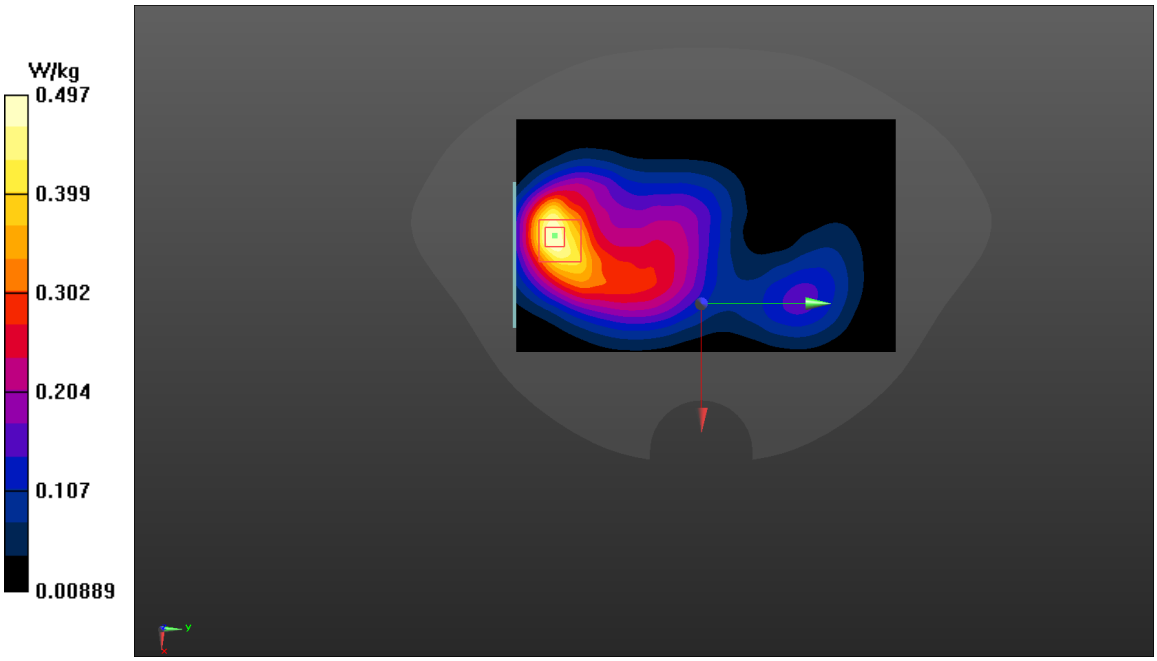

Fig A.15

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LTE1900-FDD2_CH18900 Rear 50RB-Middle 15mm

Date: 7/26/2023
Electronics: DAE4 Sn549
Medium: body 1900 MHz
Medium parameters used: f = 1880 MHz; σ = 1.363 mho/m; εr = 39.35; ρ = 1000 kg/m^3
Ambient Temperature: 22.5°C, Liquid Temperature: 22.3°C
Communication System: LTE1900-FDD2 1880 MHz Duty Cycle: 1:1
Probe: EX3DV4 – SN3846 ConvF(7.27,7.55,8.11)

Area Scan (71x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.236 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 8.158 V/m; Power Drift = -0.04 dB
Peak SAR (extrapolated) = 0.359 W/kg
SAR(1 g) = 0.225 W/kg; SAR(10 g) = 0.138 W/kg
Maximum value of SAR (measured) = 0.240 W/kg

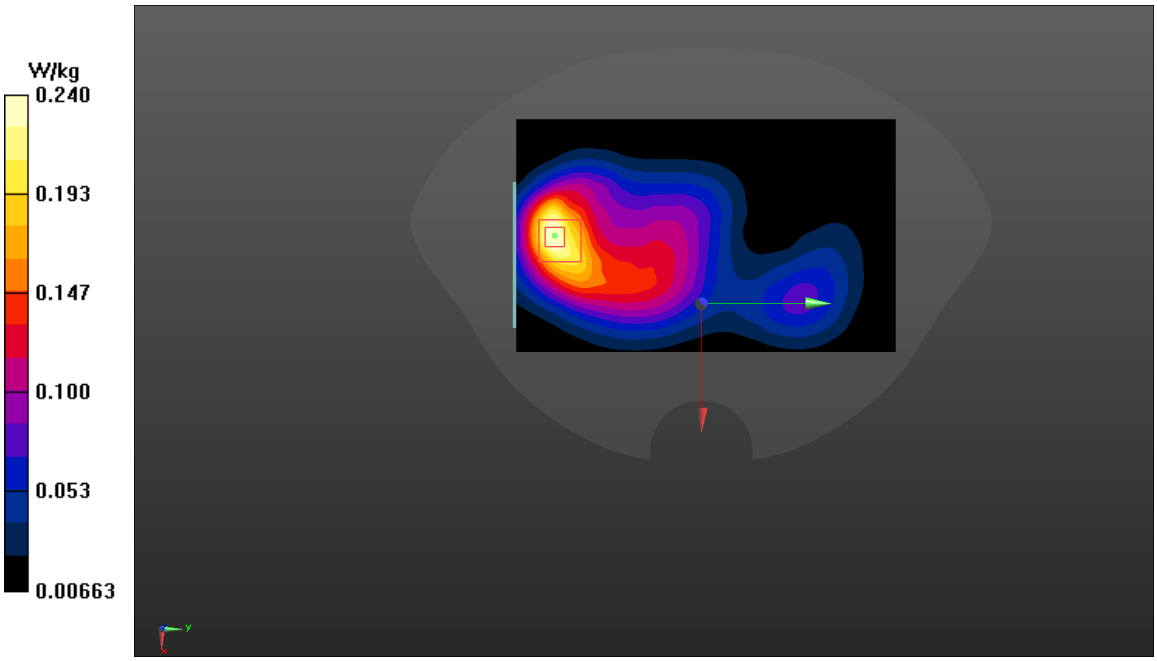

Fig A.16

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