	36RB High (38)	1772.5	24.2	22.54	1	21.61	2
		1745	24.2	22.72	1	21.79	2
		1717.5	24.2	22.89	1	21.95	2
	36RB Middle (19)	1772.5	24.2	22.56	1	21.64	2
		1745	24.2	22.77	1	21.82	2
		1717.5	24.2	22.95	1	22.02	2
	36RB Low (0)	1772.5	24.2	22.53	1	21.59	2
		1745	24.2	22.72	1	21.79	2
		1717.5	24.2	22.91	1	21.94	2
	75RB (0)	1772.5	24.2	22.53	1	21.54	2
		1745	24.2	22.71	1	21.75	2
		1717.5	24.2	22.92	1	21.93	2
20 MHz	1RB High (99)	1770	24.2	23.82	0	22.87	1
		1745	24.2	23.91	0	23.11	1
		1720	24.2	23.97	0	23.17	1
	1RB Middle (50)	1770	24.2	23.65	0	22.93	1
		1745	24.2	23.88	0	23.09	1
		1720	24.2	23.99	0	23.20	1
	1RB Low (0)	1770	24.2	23.80	0	23.18	1
		1745	24.2	23.89	0	23.15	1
		1720	24.2	23.97	0	23.13	1
	50RB High (50)	1770	24.2	22.50	1	21.52	2
		1745	24.2	22.68	1	21.71	2
		1720	24.2	22.83	1	21.90	2
	50RB Middle (25)	1770	24.2	22.53	1	21.61	2
		1745	24.2	22.77	1	21.75	2
		1720	24.2	22.93	1	21.95	2
	50RB Low (0)	1770	24.2	22.55	1	21.57	2
		1745	24.2	22.75	1	21.77	2
		1720	24.2	22.92	1	21.92	2
	100RB (0)	1770	24.2	22.56	1	21.55	2
		1745	24.2	22.71	1	21.70	2
		1720	24.2	22.91	1	21.92	2

Power B

Table 11.4-2: The conducted Power for LTE

Band 2							
Bandwidth (MHz)	RB allocation RB offset (Start RB)	Frequency (MHz)	Max. Target Power (dBm)	QPSK		16QAM	
				Actual output power (dBm)	MPR	Actual output power (dBm)	MPR
1.4 MHz	1RB High (5)	1909.3	24.3	22.93	0	22.55	1
		1880	24.3	23.04	0	22.87	1
		1850.7	24.3	22.98	0	22.82	1
	1RB Middle (3)	1909.3	24.3	22.98	0	22.50	1
		1880	24.3	23.06	0	22.74	1
		1850.7	24.3	23.06	0	22.87	1
	1RB Low (0)	1909.3	24.3	22.92	0	22.55	1
		1880	24.3	23.09	0	22.76	1
		1850.7	24.3	23.02	0	22.65	1
	3RB High (3)	1909.3	24.3	23.16	0	22.96	1
		1880	24.3	23.03	0	22.72	1
		1850.7	24.3	23.00	0	22.74	1
	3RB Middle (1)	1909.3	24.3	23.25	0	22.90	1
		1880	24.3	23.14	0	22.82	1
		1850.7	24.3	23.06	0	22.75	1
	3RB Low (0)	1909.3	24.3	23.17	0	22.95	1
		1880	24.3	23.08	0	22.71	1
		1850.7	24.3	23.04	0	22.68	1
	6RB (0)	1909.3	24.3	22.74	1	21.68	2
		1880	24.3	22.61	1	21.51	2
		1850.7	24.3	22.51	1	21.42	2
3 MHz	1RB High (14)	1908.5	24.3	22.93	0	22.47	1
		1880	24.3	23.12	0	22.88	1
		1851.5	24.3	23.13	0	22.69	1
	1RB Middle (7)	1908.5	24.3	23.01	0	22.85	1
		1880	24.3	23.20	0	22.88	1
		1851.5	24.3	23.13	0	22.81	1
	1RB Low (0)	1908.5	24.3	23.04	0	22.62	1
		1880	24.3	23.20	0	22.86	1
		1851.5	24.3	23.22	0	22.78	1
	8RB High (7)	1908.5	24.3	22.48	1	21.56	2
		1880	24.3	22.59	1	21.71	2
		1851.5	24.3	22.59	1	21.65	2
	8RB Middle (4)	1908.5	24.3	22.50	1	21.58	2
		1880	24.3	22.68	1	21.77	2
		1851.5	24.3	22.59	1	21.65	2
	8RB Low (0)	1908.5	24.3	22.47	1	21.64	2
		1880	24.3	22.68	1	21.82	2
		1851.5	24.3	22.64	1	21.67	2

	15RB (0)	1908.5	24.3	22.48	1	21.56	2
		1880	24.3	22.66	1	21.79	2
		1851.5	24.3	22.59	1	21.61	2
5 MHz	1RB High (24)	1907.5	24.3	23.08	0	22.83	1
		1880	24.3	23.12	0	22.96	1
		1852.5	24.3	23.05	0	22.85	1
	1RB Middle (12)	1907.5	24.3	23.10	0	22.94	1
		1880	24.3	23.18	0	22.99	1
		1852.5	24.3	23.05	0	22.85	1
	1RB Low (0)	1907.5	24.3	23.23	0	22.91	1
		1880	24.3	23.33	0	23.00	1
		1852.5	24.3	23.26	0	23.13	1
	12RB High (13)	1907.5	24.3	22.51	1	21.65	2
		1880	24.3	22.61	1	21.75	2
		1852.5	24.3	22.56	1	21.71	2
	12RB Middle (6)	1907.5	24.3	22.55	1	21.69	2
		1880	24.3	22.69	1	21.81	2
		1852.5	24.3	22.62	1	21.74	2
	12RB Low (0)	1907.5	24.3	22.61	1	21.75	2
		1880	24.3	22.76	1	21.85	2
		1852.5	24.3	22.68	1	21.82	2
	25RB (0)	1907.5	24.3	22.60	1	21.60	2
		1880	24.3	22.70	1	21.75	2
		1852.5	24.3	22.62	1	21.71	2
10 MHz	1RB High (49)	1905	24.3	23.03	0	22.85	1
		1880	24.3	23.26	0	22.89	1
		1855	24.3	23.25	0	22.85	1
	1RB Middle (24)	1905	24.3	22.87	0	22.65	1
		1880	24.3	23.15	0	22.83	1
		1855	24.3	23.10	0	22.55	1
	1RB Low (0)	1905	24.3	23.20	0	22.77	1
		1880	24.3	23.34	0	22.95	1
		1855	24.3	23.15	0	22.82	1
	25RB High (25)	1905	24.3	22.57	1	21.61	2
		1880	24.3	22.62	1	21.67	2
		1855	24.3	22.57	1	21.59	2
	25RB Middle (12)	1905	24.3	22.60	1	21.62	2
		1880	24.3	22.66	1	21.72	2
		1855	24.3	22.50	1	21.58	2
	25RB Low (0)	1905	24.3	22.53	1	21.61	2
		1880	24.3	22.68	1	21.75	2
		1855	24.3	22.64	1	21.64	2
	50RB (0)	1905	24.3	22.60	1	21.61	2
		1880	24.3	22.63	1	21.67	2
		1855	24.3	22.54	1	21.56	2
15 MHz	1RB High (74)	1902.5	24.3	23.18	0	23.02	1
		1880	24.3	23.31	0	22.93	1
		1857.5	24.3	23.42	0	23.08	1

	1RB Middle (37)	1902.5	24.3	23.02	0	22.84	1
		1880	24.3	23.07	0	22.71	1
		1857.5	24.3	23.07	0	22.84	1
	1RB Low (0)	1902.5	24.3	23.20	0	23.09	1
		1880	24.3	23.42	0	22.95	1
		1857.5	24.3	23.44	0	22.92	1
	36RB High (38)	1902.5	24.3	22.59	1	21.66	2
		1880	24.3	22.57	1	21.63	2
		1857.5	24.3	22.60	1	21.71	2
	36RB Middle (19)	1902.5	24.3	22.55	1	21.60	2
		1880	24.3	22.71	1	21.62	2
		1857.5	24.3	22.69	1	21.74	2
	36RB Low (0)	1902.5	24.3	22.53	1	21.59	2
		1880	24.3	22.61	1	21.65	2
		1857.5	24.3	22.65	1	21.71	2
	75RB (0)	1902.5	24.3	22.62	1	21.62	2
		1880	24.3	22.62	1	21.60	2
		1857.5	24.3	22.63	1	21.62	2
20 MHz	1RB High (99)	1900	24.3	23.01	0	22.82	1
		1880	24.3	23.02	0	22.85	1
		1860	24.3	23.09	0	22.91	1
	1RB Middle (50)	1900	24.3	22.91	0	22.94	1
		1880	24.3	23.15	0	22.96	1
		1860	24.3	22.97	0	22.80	1
	1RB Low (0)	1900	24.3	23.36	0	23.30	1
		1880	24.3	23.46	0	23.14	1
		1860	24.3	23.31	0	23.15	1
	50RB High (50)	1900	24.3	22.54	1	21.60	2
		1880	24.3	22.51	1	21.57	2
		1860	24.3	22.53	1	21.53	2
	50RB Middle (25)	1900	24.3	22.55	1	21.56	2
		1880	24.3	22.66	1	21.69	2
		1860	24.3	22.71	1	21.75	2
	50RB Low (0)	1900	24.3	22.66	1	21.65	2
		1880	24.3	22.70	1	21.68	2
		1860	24.3	22.65	1	21.69	2
	100RB (0)	1900	24.3	22.64	1	21.63	2
		1880	24.3	22.55	1	21.59	2
		1860	24.3	22.63	1	21.60	2

Band 25							
Bandwidth (MHz)	RB allocation RB offset (Start RB)	Frequency (MHz)	Max. Target Power (dBm)	QPSK		16QAM	
				Actual output power (dBm)	MPR	Actual output power (dBm)	MPR
1.4 MHz	1RB High (5)	1914.3	24.3	23.30	0	22.86	1
		1882.5	24.3	23.02	0	22.66	1
		1850.7	24.3	23.00	0	22.53	1
	1RB Middle (3)	1914.3	24.3	23.39	0	22.99	1
		1882.5	24.3	23.03	0	22.73	1
		1850.7	24.3	23.07	0	22.61	1
	1RB Low (0)	1914.3	24.3	23.38	0	22.89	1
		1882.5	24.3	23.08	0	22.73	1
		1850.7	24.3	23.06	0	22.56	1
	3RB High (3)	1914.3	24.3	23.26	0	22.83	1
		1882.5	24.3	23.04	0	22.71	1
		1850.7	24.3	23.02	0	22.68	1
	3RB Middle (1)	1914.3	24.3	23.37	0	23.05	1
		1882.5	24.3	23.12	0	22.81	1
		1850.7	24.3	23.10	0	22.75	1
	3RB Low (0)	1914.3	24.3	23.17	0	22.87	1
		1882.5	24.3	23.09	0	22.76	1
		1850.7	24.3	23.05	0	22.71	1
	6RB (0)	1914.3	24.3	22.75	1	21.64	2
		1882.5	24.3	22.56	1	21.49	2
		1850.7	24.3	22.51	1	21.43	2
3 MHz	1RB High (14)	1913.5	24.3	23.30	0	22.86	1
		1882.5	24.3	23.04	0	22.74	1
		1851.5	24.3	22.97	0	22.59	1
	1RB Middle (7)	1913.5	24.3	23.23	0	22.82	1
		1882.5	24.3	23.11	0	22.71	1
		1851.5	24.3	23.00	0	22.60	1
	1RB Low (0)	1913.5	24.3	23.32	0	22.87	1
		1882.5	24.3	23.13	0	22.71	1
		1851.5	24.3	23.02	0	22.63	1
	8RB High (7)	1913.5	24.3	22.73	1	21.91	2
		1882.5	24.3	22.59	1	21.62	2
		1851.5	24.3	22.48	1	21.50	2
	8RB Middle (4)	1913.5	24.3	22.76	1	21.90	2
		1882.5	24.3	22.61	1	21.71	2
		1851.5	24.3	22.47	1	21.57	2
	8RB Low (0)	1913.5	24.3	22.79	1	21.85	2
		1882.5	24.3	22.65	1	21.71	2
		1851.5	24.3	22.50	1	21.59	2
	15RB (0)	1913.5	24.3	22.80	1	21.80	2
		1882.5	24.3	22.59	1	21.70	2
		1851.5	24.3	22.47	1	21.52	2
5 MHz	1RB	1912.5	24.3	23.34	0	22.86	1
		1882.5	24.3	23.13	0	22.97	1

	High (24)	1852.5	24.3	23.05	0	22.81	1
	1RB Middle (12)	1912.5	24.3	23.39	0	23.19	1
		1882.5	24.3	23.19	0	22.99	1
		1852.5	24.3	23.07	0	22.90	1
	1RB Low (0)	1912.5	24.3	23.48	0	23.23	1
		1882.5	24.3	23.24	0	23.01	1
		1852.5	24.3	23.26	0	23.23	1
	12RB High (13)	1912.5	24.3	22.82	1	21.96	2
		1882.5	24.3	22.56	1	21.72	2
		1852.5	24.3	22.53	1	21.61	2
	12RB Middle (6)	1912.5	24.3	22.82	1	21.97	2
		1882.5	24.3	22.64	1	21.78	2
		1852.5	24.3	22.52	1	21.64	2
	12RB Low (0)	1912.5	24.3	22.89	1	22.06	2
		1882.5	24.3	22.71	1	21.79	2
		1852.5	24.3	22.61	1	21.72	2
	25RB (0)	1912.5	24.3	22.81	1	21.91	2
		1882.5	24.3	22.69	1	21.77	2
		1852.5	24.3	22.55	1	21.59	2
10 MHz	1RB High (49)	1910	24.3	23.46	0	23.22	1
		1882.5	24.3	23.35	0	22.85	1
		1855	24.3	23.13	0	22.68	1
	1RB Middle (24)	1910	24.3	23.46	0	22.85	1
		1882.5	24.3	23.19	0	22.67	1
		1855	24.3	22.90	0	22.56	1
	1RB Low (0)	1910	24.3	23.39	0	23.05	1
		1882.5	24.3	23.33	0	22.83	1
		1855	24.3	23.12	0	22.71	1
	25RB High (25)	1910	24.3	22.85	1	21.89	2
		1882.5	24.3	22.66	1	21.73	2
		1855	24.3	22.51	1	21.49	2
	25RB Middle (12)	1910	24.3	22.86	1	21.92	2
		1882.5	24.3	22.67	1	21.72	2
		1855	24.3	22.51	1	21.51	2
	25RB Low (0)	1910	24.3	22.93	1	21.93	2
		1882.5	24.3	22.56	1	21.60	2
		1855	24.3	22.58	1	21.58	2
	50RB (0)	1910	24.3	22.85	1	21.88	2
		1882.5	24.3	22.67	1	21.69	2
		1855	24.3	22.56	1	21.58	2
15 MHz	1RB High (74)	1907.5	24.3	23.35	0	22.79	1
		1882.5	24.3	23.17	0	22.66	1
		1857.5	24.3	23.11	0	22.90	1
	1RB Middle (37)	1907.5	24.3	23.23	0	22.95	1
		1882.5	24.3	23.00	0	22.64	1
		1857.5	24.3	23.02	0	22.79	1
	1RB Low (0)	1907.5	24.3	23.45	0	23.09	1
		1882.5	24.3	23.15	0	22.82	1
		1857.5	24.3	23.11	0	22.90	1

	36RB High (38)	1907.5	24.3	22.78	1	21.92	2
		1882.5	24.3	22.55	1	21.68	2
		1857.5	24.3	22.72	1	21.76	2
	36RB Middle (19)	1907.5	24.3	22.88	1	21.96	2
		1882.5	24.3	22.63	1	21.65	2
		1857.5	24.3	22.58	1	21.65	2
	36RB Low (0)	1907.5	24.3	22.83	1	21.88	2
		1882.5	24.3	22.63	1	21.66	2
		1857.5	24.3	22.56	1	21.65	2
	75RB (0)	1907.5	24.3	22.89	1	21.90	2
		1882.5	24.3	22.57	1	21.61	2
		1857.5	24.3	22.67	1	21.69	2
20 MHz	1RB High (99)	1905	24.3	23.57	0	23.29	1
		1882.5	24.3	23.23	0	23.04	1
		1860	24.3	23.32	0	22.79	1
	1RB Middle (50)	1905	24.3	23.34	0	23.18	1
		1882.5	24.3	23.17	0	22.91	1
		1860	24.3	23.17	0	23.00	1
	1RB Low (0)	1905	24.3	23.58	0	23.25	1
		1882.5	24.3	23.26	0	23.07	1
		1860	24.3	23.17	0	23.08	1
	50RB High (50)	1905	24.3	22.73	1	21.81	2
		1882.5	24.3	22.54	1	21.57	2
		1860	24.3	22.55	1	21.56	2
	50RB Middle (25)	1905	24.3	22.74	1	21.83	2
		1882.5	24.3	22.55	1	21.61	2
		1860	24.3	22.54	1	21.55	2
	50RB Low (0)	1905	24.3	22.84	1	21.83	2
		1882.5	24.3	22.66	1	21.63	2
		1860	24.3	22.67	1	21.63	2
	100RB (0)	1905	24.3	22.91	1	21.92	2
		1882.5	24.3	22.64	1	21.60	2
		1860	24.3	22.58	1	21.60	2

Power C

Table 11.4-3: The conducted Power for LTE

Band 2							
Bandwidth (MHz)	RB allocation RB offset (Start RB)	Frequency (MHz)	Max. Target Power (dBm)	QPSK		16QAM	
				Actual output power (dBm)	MPR	Actual output power (dBm)	MPR
1.4 MHz	1RB High (5)	1909.3	21.7	20.96	0	20.22	1
		1880	21.7	21.10	0	20.33	1
		1850.7	21.7	21.03	0	20.18	1
	1RB Middle (3)	1909.3	21.7	21.15	0	20.44	1
		1880	21.7	21.08	0	20.44	1
		1850.7	21.7	21.01	0	20.33	1
	1RB Low (0)	1909.3	21.7	20.97	0	20.20	1
		1880	21.7	21.11	0	20.40	1
		1850.7	21.7	21.04	0	20.26	1
	3RB High (3)	1909.3	21.7	21.00	0	20.27	1
		1880	21.7	21.14	0	20.25	1
		1850.7	21.7	21.02	0	20.22	1
	3RB Middle (1)	1909.3	21.7	21.09	0	20.23	1
		1880	21.7	21.22	0	20.33	1
		1850.7	21.7	21.13	0	20.27	1
	3RB Low (0)	1909.3	21.7	21.06	0	20.25	1
		1880	21.7	21.18	0	20.45	1
		1850.7	21.7	21.06	0	20.21	1
	6RB (0)	1909.3	21.7	20.09	1	19.04	2
		1880	21.7	20.23	1	19.13	2
		1850.7	21.7	20.13	1	19.00	2
3 MHz	1RB High (14)	1908.5	21.7	21.06	0	20.34	1
		1880	21.7	21.24	0	20.37	1
		1851.5	21.7	21.07	0	20.20	1
	1RB Middle (7)	1908.5	21.7	21.11	0	20.30	1
		1880	21.7	21.26	0	20.38	1
		1851.5	21.7	21.14	0	20.42	1
	1RB Low (0)	1908.5	21.7	21.22	0	20.35	1
		1880	21.7	21.29	0	20.48	1
		1851.5	21.7	21.13	0	20.55	1
	8RB High (7)	1908.5	21.7	20.17	1	19.19	2
		1880	21.7	20.20	1	19.30	2
		1851.5	21.7	20.07	1	19.19	2
	8RB Middle (4)	1908.5	21.7	20.18	1	19.26	2
		1880	21.7	20.25	1	19.36	2
		1851.5	21.7	20.12	1	19.24	2
	8RB Low (0)	1908.5	21.7	20.19	1	19.23	2
		1880	21.7	20.26	1	19.33	2
		1851.5	21.7	20.15	1	19.26	2

	15RB (0)	1908.5	21.7	20.11	1	19.21	2
		1880	21.7	20.24	1	19.26	2
		1851.5	21.7	20.11	1	19.15	2
5 MHz	1RB High (24)	1907.5	21.7	21.22	0	20.46	1
		1880	21.7	21.24	0	20.41	1
		1852.5	21.7	21.14	0	20.43	1
	1RB Middle (12)	1907.5	21.7	21.12	0	20.50	1
		1880	21.7	21.33	0	20.58	1
		1852.5	21.7	21.14	0	20.30	1
	1RB Low (0)	1907.5	21.7	21.42	0	20.67	1
		1880	21.7	21.37	0	20.58	1
		1852.5	21.7	21.31	0	20.49	1
	12RB High (13)	1907.5	21.7	20.18	1	19.28	2
		1880	21.7	20.18	1	19.29	2
		1852.5	21.7	20.12	1	19.22	2
	12RB Middle (6)	1907.5	21.7	20.19	1	19.29	2
		1880	21.7	20.31	1	19.38	2
		1852.5	21.7	20.13	1	19.27	2
	12RB Low (0)	1907.5	21.7	20.22	1	19.34	2
		1880	21.7	20.33	1	19.44	2
		1852.5	21.7	20.21	1	19.34	2
	25RB (0)	1907.5	21.7	20.21	1	19.23	2
		1880	21.7	20.26	1	19.30	2
		1852.5	21.7	20.17	1	19.21	2
10 MHz	1RB High (49)	1905	21.7	21.25	0	20.36	1
		1880	21.7	21.49	0	20.66	1
		1855	21.7	21.21	0	20.48	1
	1RB Middle (24)	1905	21.7	21.10	0	20.29	1
		1880	21.7	21.29	0	20.22	1
		1855	21.7	21.09	0	20.23	1
	1RB Low (0)	1905	21.7	21.27	0	20.55	1
		1880	21.7	21.32	0	20.51	1
		1855	21.7	21.29	0	20.40	1
	25RB High (25)	1905	21.7	20.16	1	19.20	2
		1880	21.7	20.28	1	19.30	2
		1855	21.7	20.11	1	19.14	2
	25RB Middle (12)	1905	21.7	20.20	1	19.20	2
		1880	21.7	20.23	1	19.25	2
		1855	21.7	20.01	1	19.12	2
	25RB Low (0)	1905	21.7	20.18	1	19.20	2
		1880	21.7	20.26	1	19.28	2
		1855	21.7	20.11	1	19.20	2
	50RB (0)	1905	21.7	20.22	1	19.21	2
		1880	21.7	20.23	1	19.25	2
		1855	21.7	20.06	1	19.12	2
15 MHz	1RB High (74)	1902.5	21.7	21.42	0	20.58	1
		1880	21.7	21.44	0	20.48	1
		1857.5	21.7	21.46	0	20.59	1
	1RB	1902.5	21.7	21.11	0	20.22	1

	Middle (37)	1880	21.7	21.09	0	20.32	1
		1857.5	21.7	21.10	0	20.32	1
	1RB Low (0)	1902.5	21.7	21.55	0	20.62	1
		1880	21.7	21.41	0	20.69	1
		1857.5	21.7	21.41	0	20.64	1
	36RB High (38)	1902.5	21.7	20.22	1	19.31	2
		1880	21.7	20.11	1	19.21	2
		1857.5	21.7	20.13	1	19.28	2
	36RB Middle (19)	1902.5	21.7	20.19	1	19.21	2
		1880	21.7	20.25	1	19.31	2
		1857.5	21.7	20.22	1	19.28	2
	36RB Low (0)	1902.5	21.7	20.13	1	19.24	2
		1880	21.7	20.12	1	19.25	2
		1857.5	21.7	20.21	1	19.28	2
	75RB (0)	1902.5	21.7	20.23	1	19.30	2
		1880	21.7	20.16	1	19.24	2
		1857.5	21.7	20.18	1	19.20	2
20 MHz	1RB High (99)	1900	21.7	21.24	0	20.25	1
		1880	21.7	21.12	0	20.52	1
		1860	21.7	20.91	0	20.38	1
	1RB Middle (50)	1900	21.7	21.27	0	20.44	1
		1880	21.7	21.29	0	20.44	1
		1860	21.7	21.25	0	20.38	1
	1RB Low (0)	1900	21.7	21.52	0	20.69	1
		1880	21.7	21.53	0	20.65	1
		1860	21.7	21.47	0	20.70	1
	50RB High (50)	1900	21.7	20.19	1	19.24	2
		1880	21.7	20.12	1	19.20	2
		1860	21.7	20.09	1	19.12	2
	50RB Middle (25)	1900	21.7	20.20	1	19.20	2
		1880	21.7	20.24	1	19.32	2
		1860	21.7	20.23	1	19.29	2
	50RB Low (0)	1900	21.7	20.26	1	19.23	2
		1880	21.7	20.27	1	19.30	2
		1860	21.7	20.24	1	19.23	2
	100RB (0)	1900	21.7	20.24	1	19.27	2
		1880	21.7	20.12	1	19.20	2
		1860	21.7	20.16	1	19.18	2
Band 4							
Bandwidth (MHz)	RB allocation	Frequency (MHz)	Max. Target Power (dBm)	QPSK		16QAM	
	RB offset (Start RB)			Actual output power (dBm)	MPR	Actual output power (dBm)	MPR
1.4 MHz	1RB High (5)	1754.3	23.2	22.44	0	21.49	1
		1732.5	23.2	22.16	0	21.36	1
		1710.7	23.2	22.09	0	21.30	1
	1RB	1754.3	23.2	22.49	0	21.72	1

	Middle (3)	1732.5	23.2	22.18	0	21.39	1
		1710.7	23.2	22.09	0	21.39	1
	1RB Low (0)	1754.3	23.2	22.42	0	21.60	1
		1732.5	23.2	22.21	0	21.38	1
		1710.7	23.2	22.13	0	21.16	1
	3RB High (3)	1754.3	23.2	22.38	0	21.44	1
		1732.5	23.2	22.20	0	21.28	1
		1710.7	23.2	22.03	0	21.25	1
	3RB Middle (1)	1754.3	23.2	22.48	0	21.64	1
		1732.5	23.2	22.20	0	21.39	1
		1710.7	23.2	22.07	0	21.28	1
	3RB Low (0)	1754.3	23.2	22.36	0	21.74	1
		1732.5	23.2	22.16	0	21.25	1
		1710.7	23.2	22.11	0	21.25	1
	6RB (0)	1754.3	23.2	21.52	1	20.34	2
		1732.5	23.2	21.10	1	20.05	2
		1710.7	23.2	21.07	1	19.95	2
3 MHz	1RB High (14)	1753.5	23.2	22.49	0	21.62	1
		1732.5	23.2	22.23	0	21.27	1
		1711.5	23.2	22.01	0	21.27	1
	1RB Middle (7)	1753.5	23.2	22.44	0	21.53	1
		1732.5	23.2	22.24	0	21.40	1
		1711.5	23.2	22.14	0	21.38	1
	1RB Low (0)	1753.5	23.2	22.54	0	21.70	1
		1732.5	23.2	22.17	0	21.71	1
		1711.5	23.2	22.14	0	21.32	1
	8RB High (7)	1753.5	23.2	21.47	1	20.52	2
		1732.5	23.2	21.20	1	20.25	2
		1711.5	23.2	21.18	1	20.21	2
	8RB Middle (4)	1753.5	23.2	21.46	1	20.63	2
		1732.5	23.2	21.20	1	20.29	2
		1711.5	23.2	21.13	1	20.25	2
	8RB Low (0)	1753.5	23.2	21.46	1	20.67	2
		1732.5	23.2	21.22	1	20.30	2
		1711.5	23.2	21.17	1	20.20	2
	15RB (0)	1753.5	23.2	21.46	1	20.54	2
		1732.5	23.2	21.21	1	20.28	2
		1711.5	23.2	21.14	1	20.18	2
5 MHz	1RB High (24)	1752.5	23.2	22.56	0	21.68	1
		1732.5	23.2	22.20	0	21.46	1
		1712.5	23.2	22.18	0	21.29	1
	1RB Middle (12)	1752.5	23.2	22.56	0	21.82	1
		1732.5	23.2	22.40	0	21.54	1
		1712.5	23.2	22.20	0	21.49	1
	1RB Low (0)	1752.5	23.2	22.58	0	21.87	1
		1732.5	23.2	22.45	0	21.55	1
		1712.5	23.2	22.28	0	21.63	1
	12RB High (13)	1752.5	23.2	21.50	1	20.56	2
		1732.5	23.2	21.22	1	20.32	2

		1712.5	23.2	21.11	1	20.24	2
	12RB Middle (6)	1752.5	23.2	21.49	1	20.60	2
		1732.5	23.2	21.19	1	20.35	2
		1712.5	23.2	21.18	1	20.28	2
	12RB Low (0)	1752.5	23.2	21.57	1	20.64	2
		1732.5	23.2	21.23	1	20.33	2
		1712.5	23.2	21.18	1	20.33	2
	25RB (0)	1752.5	23.2	21.54	1	20.59	2
		1732.5	23.2	21.27	1	20.30	2
		1712.5	23.2	21.17	1	20.18	2
10 MHz	1RB High (49)	1750	23.2	22.54	0	22.16	1
		1732.5	23.2	22.33	0	21.47	1
		1715	23.2	22.44	0	21.61	1
	1RB Middle (24)	1750	23.2	22.35	0	22.08	1
		1732.5	23.2	22.25	0	21.35	1
		1715	23.2	22.21	0	21.22	1
	1RB Low (0)	1750	23.2	22.50	0	22.17	1
		1732.5	23.2	22.43	0	21.48	1
		1715	23.2	22.27	0	21.41	1
	25RB High (25)	1750	23.2	21.47	1	20.55	2
		1732.5	23.2	21.24	1	20.26	2
		1715	23.2	21.15	1	20.18	2
	25RB Middle (12)	1750	23.2	21.56	1	20.61	2
		1732.5	23.2	21.26	1	20.30	2
		1715	23.2	21.15	1	20.20	2
	25RB Low (0)	1750	23.2	21.60	1	20.67	2
		1732.5	23.2	21.23	1	20.32	2
		1715	23.2	21.18	1	20.27	2
	50RB (0)	1750	23.2	21.55	1	20.58	2
		1732.5	23.2	21.19	1	20.20	2
		1715	23.2	21.14	1	20.19	2
15 MHz	1RB High (74)	1747.5	23.2	22.52	0	21.72	1
		1732.5	23.2	22.22	0	21.38	1
		1717.5	23.2	22.48	0	22.10	1
	1RB Middle (37)	1747.5	23.2	22.38	0	21.53	1
		1732.5	23.2	22.17	0	21.33	1
		1717.5	23.2	22.20	0	21.93	1
	1RB Low (0)	1747.5	23.2	22.56	0	21.68	1
		1732.5	23.2	22.50	0	21.76	1
		1717.5	23.2	22.26	0	21.90	1
	36RB High (38)	1747.5	23.2	21.48	1	20.51	2
		1732.5	23.2	21.12	1	20.18	2
		1717.5	23.2	21.23	1	20.28	2
	36RB Middle (19)	1747.5	23.2	21.44	1	20.57	2
		1732.5	23.2	21.25	1	20.30	2
		1717.5	23.2	21.24	1	20.29	2
	36RB Low (0)	1747.5	23.2	21.44	1	20.48	2
		1732.5	23.2	21.28	1	20.31	2

		1717.5	23.2	21.19	1	20.24	2
	75RB (0)	1747.5	23.2	21.43	1	20.45	2
		1732.5	23.2	21.19	1	20.17	2
		1717.5	23.2	21.24	1	20.25	2
20 MHz	1RB High (99)	1745	23.2	22.35	0	21.73	1
		1732.5	23.2	22.28	0	21.49	1
		1720	23.2	22.33	0	21.71	1
	1RB Middle (50)	1745	23.2	22.33	0	21.58	1
		1732.5	23.2	22.17	0	21.34	1
		1720	23.2	22.27	0	21.35	1
	1RB Low (0)	1745	23.2	22.37	0	21.43	1
		1732.5	23.2	22.00	0	21.99	1
		1720	23.2	22.31	0	21.63	1
	50RB High (50)	1745	23.2	21.34	1	20.38	2
		1732.5	23.2	21.11	1	20.20	2
		1720	23.2	21.24	1	20.20	2
	50RB Middle (25)	1745	23.2	21.29	1	20.33	2
		1732.5	23.2	21.17	1	20.20	2
		1720	23.2	21.21	1	20.21	2
	50RB Low (0)	1745	23.2	21.38	1	20.36	2
		1732.5	23.2	21.31	1	20.27	2
		1720	23.2	21.24	1	20.22	2
	100RB (0)	1745	23.2	21.33	1	20.29	2
		1732.5	23.2	21.20	1	20.22	2
		1720	23.2	21.25	1	20.27	2

Band 7							
Bandwidth (MHz)	RB allocation RB offset (Start RB)	Frequency (MHz)	Max. Target Power (dBm)	QPSK		16QAM	
				Actual output power (dBm)	MPR	Actual output power (dBm)	MPR
5 MHz	1RB High (24)	2567.5	23.2	22.57	0	21.82	1
		2535	23.2	22.57	0	21.91	1
		2502.5	23.2	22.62	0	21.81	1
	1RB Middle (12)	2567.5	23.2	22.58	0	21.78	1
		2535	23.2	22.62	0	22.02	1
		2502.5	23.2	22.69	0	21.80	1
	1RB Low (0)	2567.5	23.2	22.67	0	21.85	1
		2535	23.2	22.67	0	22.08	1
		2502.5	23.2	22.75	0	21.80	1
	12RB High (13)	2567.5	23.2	21.57	1	20.68	2
		2535	23.2	21.57	1	20.71	2
		2502.5	23.2	21.64	1	20.73	2
	12RB Middle (6)	2567.5	23.2	21.61	1	20.68	2
		2535	23.2	21.59	1	20.70	2
		2502.5	23.2	21.65	1	20.75	2
	12RB	2567.5	23.2	21.62	1	20.73	2

	Low (0)	2535	23.2	21.68	1	20.81	2
		2502.5	23.2	21.70	1	20.82	2
	25RB (0)	2567.5	23.2	21.68	1	20.67	2
		2535	23.2	21.64	1	20.66	2
		2502.5	23.2	21.71	1	20.71	2
10 MHz	1RB High (49)	2565	23.2	22.75	0	21.85	1
		2535	23.2	22.77	0	21.90	1
		2505	23.2	22.70	0	21.94	1
	1RB Middle (24)	2565	23.2	22.51	0	21.71	1
		2535	23.2	22.48	0	21.78	1
		2505	23.2	22.56	0	21.88	1
	1RB Low (0)	2565	23.2	22.74	0	22.03	1
		2535	23.2	22.70	0	21.90	1
		2505	23.2	22.75	0	21.92	1
	25RB High (25)	2565	23.2	21.66	1	20.67	2
		2535	23.2	21.69	1	20.68	2
		2505	23.2	21.72	1	20.75	2
	25RB Middle (12)	2565	23.2	21.65	1	20.62	2
		2535	23.2	21.67	1	20.64	2
		2505	23.2	21.70	1	20.77	2
	25RB Low (0)	2565	23.2	21.74	1	20.74	2
		2535	23.2	21.61	1	20.68	2
		2505	23.2	21.72	1	20.70	2
	50RB (0)	2565	23.2	21.60	1	20.62	2
		2535	23.2	21.65	1	20.71	2
		2505	23.2	21.74	1	20.72	2
15 MHz	1RB High (74)	2562.5	23.2	22.60	0	21.67	1
		2535	23.2	22.64	0	21.85	1
		2507.5	23.2	22.86	0	22.09	1
	1RB Middle (37)	2562.5	23.2	22.58	0	21.67	1
		2535	23.2	22.51	0	21.75	1
		2507.5	23.2	22.78	0	21.92	1
	1RB Low (0)	2562.5	23.2	22.69	0	21.84	1
		2535	23.2	22.64	0	21.78	1
		2507.5	23.2	22.68	0	21.89	1
	36RB High (38)	2562.5	23.2	21.57	1	20.61	2
		2535	23.2	21.56	1	20.60	2
		2507.5	23.2	21.87	1	20.90	2
	36RB Middle (19)	2562.5	23.2	21.63	1	20.67	2
		2535	23.2	21.61	1	20.66	2
		2507.5	23.2	21.77	1	20.89	2
	36RB Low (0)	2562.5	23.2	21.56	1	20.66	2
		2535	23.2	21.65	1	20.73	2
		2507.5	23.2	21.79	1	20.86	2
	75RB (0)	2562.5	23.2	21.61	1	20.61	2
		2535	23.2	21.63	1	20.64	2
		2507.5	23.2	21.77	1	20.80	2
20 MHz	1RB High (99)	2560	23.2	22.69	0	21.98	1
		2535	23.2	22.80	0	21.97	1

		2510	23.2	23.02	0	22.13	1
	1RB Middle (50)	2560	23.2	22.86	0	22.07	1
		2535	23.2	22.61	0	21.94	1
		2510	23.2	22.86	0	22.12	1
	1RB Low (0)	2560	23.2	22.76	0	22.14	1
		2535	23.2	22.82	0	22.02	1
		2510	23.2	22.80	0	22.06	1
	50RB High (50)	2560	23.2	21.49	1	20.56	2
		2535	23.2	21.58	1	20.60	2
		2510	23.2	21.74	1	20.77	2
	50RB Middle (25)	2560	23.2	21.54	1	20.58	2
		2535	23.2	21.57	1	20.61	2
		2510	23.2	21.84	1	20.83	2
	50RB Low (0)	2560	23.2	21.63	1	20.66	2
		2535	23.2	21.62	1	20.61	2
		2510	23.2	21.79	1	20.85	2
	100RB (0)	2560	23.2	21.72	1	20.64	2
		2535	23.2	21.72	1	20.66	2
		2510	23.2	21.81	1	20.80	2

Band 25							
Bandwidth (MHz)	RB allocation RB offset (Start RB)	Frequency (MHz)	Max. Target Power (dBm)	QPSK		16QAM	
				Actual output power (dBm)	MPR	Actual output power (dBm)	MPR
1.4 MHz	1RB High (5)	1914.3	22.2	21.86	0	21.07	1
		1882.5	22.2	21.71	0	20.78	1
		1850.7	22.2	21.51	0	20.71	1
	1RB Middle (3)	1914.3	22.2	22.16	0	21.17	1
		1882.5	22.2	21.74	0	20.88	1
		1850.7	22.2	21.54	0	20.66	1
	1RB Low (0)	1914.3	22.2	21.94	0	21.11	1
		1882.5	22.2	21.66	0	20.79	1
		1850.7	22.2	21.60	0	20.61	1
	3RB High (3)	1914.3	22.2	21.95	0	21.12	1
		1882.5	22.2	21.67	0	20.85	1
		1850.7	22.2	21.51	0	20.60	1
	3RB Middle (1)	1914.3	22.2	21.97	0	21.14	1
		1882.5	22.2	21.75	0	20.86	1
		1850.7	22.2	21.55	0	20.75	1
	3RB Low (0)	1914.3	22.2	21.97	0	21.05	1
		1882.5	22.2	21.71	0	20.82	1
		1850.7	22.2	21.53	0	20.72	1
	6RB (0)	1914.3	22.2	20.91	1	19.89	2
		1882.5	22.2	20.65	1	19.61	2
		1850.7	22.2	20.49	1	19.44	2
3 MHz	1RB High (14)	1913.5	22.2	21.99	0	21.04	1
		1882.5	22.2	21.66	0	20.80	1
		1851.5	22.2	21.58	0	20.62	1

	1RB Middle (7)	1913.5	22.2	22.00	0	21.14	1
		1882.5	22.2	21.74	0	20.90	1
		1851.5	22.2	21.55	0	20.69	1
	1RB Low (0)	1913.5	22.2	21.99	0	21.14	1
		1882.5	22.2	21.76	0	20.86	1
		1851.5	22.2	21.63	0	20.72	1
	8RB High (7)	1913.5	22.2	21.01	1	20.00	2
		1882.5	22.2	20.68	1	19.73	2
		1851.5	22.2	20.54	1	19.62	2
	8RB Middle (4)	1913.5	22.2	21.03	1	20.05	2
		1882.5	22.2	20.66	1	19.80	2
		1851.5	22.2	20.50	1	19.63	2
	8RB Low (0)	1913.5	22.2	20.97	1	19.98	2
		1882.5	22.2	20.80	1	19.87	2
		1851.5	22.2	20.56	1	19.68	2
	15RB (0)	1913.5	22.2	20.98	1	20.07	2
		1882.5	22.2	20.73	1	19.74	2
		1851.5	22.2	20.58	1	19.59	2
5 MHz	1RB High (24)	1912.5	22.2	22.04	0	21.15	1
		1882.5	22.2	21.94	0	21.01	1
		1852.5	22.2	21.63	0	20.76	1
	1RB Middle (12)	1912.5	22.2	22.02	0	21.11	1
		1882.5	22.2	21.80	0	21.07	1
		1852.5	22.2	21.62	0	20.79	1
	1RB Low (0)	1912.5	22.2	22.19	0	21.19	1
		1882.5	22.2	21.84	0	21.11	1
		1852.5	22.2	21.71	0	21.03	1
	12RB High (13)	1912.5	22.2	20.96	1	20.02	2
		1882.5	22.2	20.66	1	19.77	2
		1852.5	22.2	20.56	1	19.59	2
	12RB Middle (6)	1912.5	22.2	21.04	1	20.14	2
		1882.5	22.2	20.74	1	19.84	2
		1852.5	22.2	20.58	1	19.68	2
	12RB Low (0)	1912.5	22.2	21.00	1	20.14	2
		1882.5	22.2	20.76	1	19.85	2
		1852.5	22.2	20.60	1	19.71	2
	25RB (0)	1912.5	22.2	20.99	1	20.09	2
		1882.5	22.2	20.76	1	19.84	2
		1852.5	22.2	20.61	1	19.61	2
10 MHz	1RB High (49)	1910	22.2	22.02	0	21.16	1
		1882.5	22.2	21.81	0	21.11	1
		1855	22.2	21.70	0	20.84	1
	1RB Middle (24)	1910	22.2	21.99	0	21.14	1
		1882.5	22.2	21.70	0	20.70	1
		1855	22.2	21.51	0	20.50	1
	1RB Low (0)	1910	22.2	22.13	0	21.18	1
		1882.5	22.2	21.67	0	20.83	1
		1855	22.2	21.64	0	20.75	1
	25RB	1910	22.2	21.05	1	20.04	2

	High (25)	1882.5	22.2	20.77	1	19.79	2
		1855	22.2	20.58	1	19.59	2
	25RB Middle (12)	1910	22.2	21.02	1	20.08	2
		1882.5	22.2	20.79	1	19.81	2
		1855	22.2	20.49	1	19.58	2
	25RB Low (0)	1910	22.2	21.06	1	20.07	2
		1882.5	22.2	20.65	1	19.70	2
		1855	22.2	20.61	1	19.61	2
	50RB (0)	1910	22.2	21.02	1	19.99	2
		1882.5	22.2	20.77	1	19.77	2
		1855	22.2	20.59	1	19.62	2
15 MHz	1RB High (74)	1907.5	22.2	22.04	0	21.13	1
		1882.5	22.2	21.93	0	20.87	1
		1857.5	22.2	21.78	0	21.00	1
	1RB Middle (37)	1907.5	22.2	21.97	0	21.04	1
		1882.5	22.2	21.62	0	20.71	1
		1857.5	22.2	21.64	0	20.79	1
	1RB Low (0)	1907.5	22.2	22.14	0	21.13	1
		1882.5	22.2	21.91	0	21.02	1
		1857.5	22.2	21.77	0	20.88	1
	36RB High (38)	1907.5	22.2	21.05	1	20.07	2
		1882.5	22.2	20.70	1	19.72	2
		1857.5	22.2	20.74	1	19.79	2
	36RB Middle (19)	1907.5	22.2	21.02	1	20.06	2
		1882.5	22.2	20.75	1	19.74	2
		1857.5	22.2	20.63	1	19.74	2
	36RB Low (0)	1907.5	22.2	21.06	1	19.99	2
		1882.5	22.2	20.72	1	19.74	2
		1857.5	22.2	20.61	1	19.70	2
	75RB (0)	1907.5	22.2	20.97	1	20.00	2
		1882.5	22.2	20.68	1	19.69	2
		1857.5	22.2	20.73	1	19.75	2
20 MHz	1RB High (99)	1905	22.2	22.04	0	21.13	1
		1882.5	22.2	21.78	0	21.01	1
		1860	22.2	21.77	0	20.94	1
	1RB Middle (50)	1905	22.2	22.09	0	21.16	1
		1882.5	22.2	21.69	0	20.83	1
		1860	22.2	21.69	0	21.03	1
	1RB Low (0)	1905	22.2	22.19	0	21.17	1
		1882.5	22.2	21.82	0	20.77	1
		1860	22.2	21.87	0	21.05	1
	50RB High (50)	1905	22.2	20.86	1	19.95	2
		1882.5	22.2	20.64	1	19.69	2
		1860	22.2	20.59	1	19.63	2
	50RB Middle (25)	1905	22.2	20.91	1	19.95	2
		1882.5	22.2	20.67	1	19.67	2
		1860	22.2	20.58	1	19.63	2
	50RB	1905	22.2	20.96	1	19.96	2
		1882.5	22.2	20.72	1	19.72	2

	Low (0)	1860	22.2	20.68	1	19.70	2
	100RB (0)	1905	22.2	21.09	1	20.02	2
		1882.5	22.2	20.74	1	19.72	2
		1860	22.2	20.67	1	19.64	2

Band 66							
Bandwidth (MHz)	RB allocation RB offset (Start RB)	Frequency (MHz)	Max. Target Power (dBm)	QPSK		16QAM	
				Actual output power (dBm)	MPR	Actual output power (dBm)	MPR
1.4 MHz	1RB High (5)	1779.3	21.2	19.71	0	19.06	1
		1745	21.2	19.97	0	19.07	1
		1710.7	21.2	20.28	0	19.39	1
	1RB Middle (3)	1779.3	21.2	19.89	0	18.59	1
		1745	21.2	20.03	0	18.90	1
		1710.7	21.2	20.44	0	19.48	1
	1RB Low (0)	1779.3	21.2	19.78	0	18.72	1
		1745	21.2	20.00	0	19.03	1
		1710.7	21.2	20.31	0	19.41	1
	3RB High (3)	1779.3	21.2	19.79	0	18.89	1
		1745	21.2	20.02	0	19.13	1
		1710.7	21.2	20.33	0	19.50	1
	3RB Middle (1)	1779.3	21.2	19.88	0	18.96	1
		1745	21.2	20.09	0	19.33	1
		1710.7	21.2	20.32	0	19.60	1
	3RB Low (0)	1779.3	21.2	19.72	0	18.98	1
		1745	21.2	20.02	0	19.19	1
		1710.7	21.2	20.27	0	19.55	1
	6RB (0)	1779.3	21.2	18.79	1	18.09	2
		1745	21.2	19.04	1	18.24	2
		1710.7	21.2	19.27	1	18.52	2
3 MHz	1RB High (14)	1778.5	21.2	19.88	0	18.82	1
		1745	21.2	19.98	0	18.87	1
		1711.5	21.2	20.16	0	19.52	1
	1RB Middle (7)	1778.5	21.2	19.60	0	19.02	1
		1745	21.2	20.13	0	19.26	1
		1711.5	21.2	20.24	0	19.29	1
	1RB Low (0)	1778.5	21.2	19.72	0	18.90	1
		1745	21.2	20.18	0	19.18	1
		1711.5	21.2	20.37	0	19.18	1
	8RB High (7)	1778.5	21.2	18.85	1	17.90	2
		1745	21.2	19.08	1	18.07	2
		1711.5	21.2	19.30	1	18.30	2
	8RB Middle (4)	1778.5	21.2	18.87	1	17.98	2
		1745	21.2	19.13	1	18.16	2
		1711.5	21.2	19.35	1	18.30	2
	8RB	1778.5	21.2	18.88	1	18.00	2
		1745	21.2	19.10	1	18.15	2

	Low (0)	1711.5	21.2	19.31	1	18.37	2
	15RB (0)	1778.5	21.2	18.82	1	17.83	2
		1745	21.2	19.03	1	18.04	2
		1711.5	21.2	19.30	1	18.26	2
5 MHz	1RB High (24)	1777.5	21.2	19.96	0	19.15	1
		1745	21.2	20.13	0	19.16	1
		1712.5	21.2	20.37	0	19.40	1
	1RB Middle (12)	1777.5	21.2	19.96	0	18.79	1
		1745	21.2	20.23	0	19.26	1
		1712.5	21.2	20.47	0	19.51	1
	1RB Low (0)	1777.5	21.2	19.89	0	19.02	1
		1745	21.2	20.16	0	19.42	1
		1712.5	21.2	20.50	0	19.48	1
	12RB High (13)	1777.5	21.2	18.80	1	17.82	2
		1745	21.2	19.04	1	18.10	2
		1712.5	21.2	19.30	1	18.41	2
	12RB Middle (6)	1777.5	21.2	18.92	1	18.00	2
		1745	21.2	19.06	1	18.14	2
		1712.5	21.2	19.34	1	18.38	2
	12RB Low (0)	1777.5	21.2	18.92	1	18.05	2
		1745	21.2	19.13	1	18.19	2
		1712.5	21.2	19.41	1	18.43	2
	25RB (0)	1777.5	21.2	18.94	1	17.86	2
		1745	21.2	19.08	1	18.08	2
		1712.5	21.2	19.30	1	18.22	2
10 MHz	1RB High (49)	1775	21.2	19.97	0	18.83	1
		1745	21.2	20.14	0	19.02	1
		1715	21.2	20.35	0	19.35	1
	1RB Middle (24)	1775	21.2	19.57	0	18.81	1
		1745	21.2	20.14	0	18.93	1
		1715	21.2	20.37	0	19.24	1
	1RB Low (0)	1775	21.2	19.99	0	18.94	1
		1745	21.2	20.15	0	19.15	1
		1715	21.2	20.33	0	19.11	1
	25RB High (25)	1775	21.2	18.89	1	17.96	2
		1745	21.2	19.08	1	18.14	2
		1715	21.2	19.32	1	18.33	2
	25RB Middle (12)	1775	21.2	18.90	1	17.97	2
		1745	21.2	19.03	1	18.14	2
		1715	21.2	19.27	1	18.36	2
	25RB Low (0)	1775	21.2	18.90	1	17.99	2
		1745	21.2	19.03	1	18.17	2
		1715	21.2	19.26	1	18.38	2
	50RB (0)	1775	21.2	18.90	1	17.93	2
		1745	21.2	19.07	1	18.11	2
		1715	21.2	19.24	1	18.30	2
15 MHz	1RB High (74)	1772.5	21.2	20.23	0	19.83	1
		1745	21.2	20.30	0	19.93	1
		1717.5	21.2	20.65	0	19.95	1

	1RB Middle (37)	1772.5	21.2	20.05	0	19.57	1
		1745	21.2	20.30	0	19.63	1
		1717.5	21.2	20.51	0	19.66	1
	1RB Low (0)	1772.5	21.2	20.13	0	19.70	1
		1745	21.2	20.35	0	19.72	1
		1717.5	21.2	20.67	0	19.68	1
	36RB High (38)	1772.5	21.2	19.18	1	18.11	2
		1745	21.2	19.30	1	18.30	2
		1717.5	21.2	19.51	1	18.54	2
	36RB Middle (19)	1772.5	21.2	19.18	1	18.17	2
		1745	21.2	19.36	1	18.30	2
		1717.5	21.2	19.52	1	18.60	2
	36RB Low (0)	1772.5	21.2	19.18	1	18.16	2
		1745	21.2	19.28	1	18.31	2
		1717.5	21.2	19.47	1	18.56	2
	75RB (0)	1772.5	21.2	19.14	1	18.15	2
		1745	21.2	19.29	1	18.31	2
		1717.5	21.2	19.49	1	18.52	2
20 MHz	1RB High (99)	1770	21.2	20.33	0	19.72	1
		1745	21.2	20.39	0	20.03	1
		1720	21.2	20.55	0	20.18	1
	1RB Middle (50)	1770	21.2	20.27	0	19.90	1
		1745	21.2	20.24	0	19.99	1
		1720	21.2	20.47	0	19.64	1
	1RB Low (0)	1770	21.2	20.10	0	19.92	1
		1745	21.2	20.33	0	20.04	1
		1720	21.2	20.54	0	20.17	1
	50RB High (50)	1770	21.2	19.08	1	18.08	2
		1745	21.2	19.26	1	18.30	2
		1720	21.2	19.43	1	18.41	2
	50RB Middle (25)	1770	21.2	19.07	1	18.14	2
		1745	21.2	19.28	1	18.33	2
		1720	21.2	19.48	1	18.44	2
	50RB Low (0)	1770	21.2	19.09	1	18.09	2
		1745	21.2	19.30	1	18.35	2
		1720	21.2	19.44	1	18.46	2
	100RB (0)	1770	21.2	19.11	1	18.12	2
		1745	21.2	19.24	1	18.27	2
		1720	21.2	19.42	1	18.49	2

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

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

DL LTE CA Class	PCC								SCC			Power		
	PCC Band	PCC Band width (MHz)	PCC UL RB size	PCC UL RB offset	PCC DL RB size	PCC DL RB offset	PCC UL Channel	PCC DL Channel	SCC Band	SCC Band width (MHz)	SCC DL Channel	Rel 8 LTETx Power (dBm)	Rel 10 DL LTE CA Tx Power(dBm)	Tune-up
4A-4A	4	5	1	0	25	0	20375	2375	4	20	2050	23.96	23.86	24
25A-25A	25	10	1	0	50	0	26640	8640	25	20	8140	24.09	24.15	24.5
41C	41	20	1	50	100	0	39750	39750	41	20	39948	23.37	23.30	24
2A-4A	2	10	1	0	50	0	18650	650	4	20	2175	23.87	23.85	24
4A-2A	4	5	1	0	25	0	20375	2375	2	20	900	23.96	23.85	24
2A-5A	2	10	1	0	50	0	18650	650	5	10	2525	23.87	23.82	24
5A-2A	5	10	1	0	50	0	20450	2450	2	20	900	24.06	24.07	24.2
2A-12A	2	10	1	0	50	0	18650	650	12	10	5095	23.87	23.80	24
12A-2A	12	10	1	0	50	0	23130	5130	2	20	900	24.09	24.18	24.2
2A-13A	2	10	1	0	50	0	18650	650	13	10	5230	23.87	23.79	24
13A-2A	13	5	1	0	25	0	23255	5255	2	20	900	23.83	23.85	24
2A-17A	2	10	1	0	50	0	18650	650	17	10	5790	23.87	23.84	24
4A-5A	4	5	1	0	25	0	20375	2375	5	10	2525	23.96	23.89	24
5A-4A	5	10	1	0	50	0	20450	2450	4	20	2175	24.06	24.12	24.2
4A-12A	4	5	1	0	25	0	20375	2375	12	10	5095	23.96	23.87	24
12A-4A	12	10	1	0	50	0	23130	5130	4	20	2175	24.09	24.19	24.2
4A-13A	4	5	1	0	25	0	20375	2375	13	10	5230	23.96	23.83	24
13A-4A	13	5	1	0	25	0	23255	5255	4	20	2175	23.83	23.80	24
4A-17A	4	5	1	0	25	0	20375	2375	17	10	5790	23.96	23.90	24
12A-66A	12	10	1	0	50	0	23130	5130	66	20	66786	24.09	24.16	24.2
66A-12A	66	20	1	50	100	0	132072	66536	12	10	5095	23.99	23.95	24.2

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

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

DL LTE CA Class	PCC								SCC			Power		
	PCC Band	PCC Band width (MHz)	PCC UL RB size	PCC UL RB offset	PCC DL RB size	PCC DL RB offset	PCC UL Channel	PCC DL Channel	SCC Band	SCC Band width (MHz)	SCC DL Channel	Rel 8 LTETx Power (dBm)	Rel 10 DL LTE CA Tx Power (dBm)	Tune-up
25A-25A	25	20	1	0	100	0	26590	8590	25	20	8140	23.58	23.62	24.3
2A-4A	2	20	1	0	100	0	18900	900	4	20	2175	23.46	23.40	24.3
2A-5A	2	20	1	0	100	0	18900	900	5	10	2525	23.46	23.37	24.3
2A-12A	2	20	1	0	100	0	18900	900	12	10	5095	23.46	23.43	24.3
2A-13A	2	20	1	0	100	0	18900	900	13	10	5230	23.46	23.41	24.3
2A-17A	2	20	1	0	100	0	18900	900	17	10	5790	23.46	23.38	24.3

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

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

DL LTE CA Class	PCC								SCC			Power		
	PCC Band	PCC Band width (MHz)	PCC UL RB size	PCC UL RB offset	PCC DL RB size	PCC DL RB offset	PCC UL Channel	PCC DL Channel	SCC Band	SCC Band width (MHz)	SCC DL Channel	Rel 8 LTETx Power (dBm)	Rel 10 DL LTE CA Tx Power (dBm)	Tune-up
4A-4A	4	5	1	0	25	0	20375	2375	4	20	2050	22.58	22.54	23.2
25A-25A	25	20	1	0	100	0	26590	8590	25	20	8140	22.19	22.17	22.2
2A-4A	2	15	1	0	75	0	19125	1125	4	20	2175	21.55	21.67	21.7
4A-2A	4	5	1	0	25	0	20375	2375	2	20	900	22.58	22.66	23.2
2A-5A	2	15	1	0	75	0	19125	1125	5	10	2525	21.55	21.65	21.7
2A-12A	2	15	1	0	75	0	19125	1125	12	10	5095	21.55	21.66	21.7
2A-13A	2	15	1	0	75	0	19125	1125	13	10	5230	21.55	21.68	21.7
2A-17A	2	15	1	0	75	0	19125	1125	17	10	5790	21.55	21.70	21.7
4A-5A	4	5	1	0	25	0	20375	2375	5	10	2525	22.58	22.72	23.2
4A-12A	4	5	1	0	25	0	20375	2375	12	10	5095	22.58	22.73	23.2
4A-13A	4	5	1	0	25	0	20375	2375	13	10	5230	22.58	22.70	23.2
4A-17A	4	5	1	0	25	0	20375	2375	17	10	5790	22.58	22.75	23.2

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

11.5 Wi-Fi and BT Measurement result

The output power of BT antenna is as following:

Mode	Tune up	Conducted Power (dBm)		
		Channel 0 (2402MHz)	Channel 39 (2441MHz)	Channel 78(2480MHz)
GFSK	4.2	3.82	4.06	3.03
EDR2M-4_DQPSK	3.6	3.15	3.40	2.35
EDR3M-8DPSK	2.8	2.39	2.64	1.72

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

Normal Power

802.11b (dBm)

Channel\data rate	1Mbps	2Mbps	5.5Mbps	11Mbps
1	21.22	21.02	21.30	20.94
6	20.95	/	20.99	/
11	21.15	/	21.21	/
Tune up	22.0	22.0	22.0	22.0

802.11g (dBm)

Channel\data rate	6Mbps	9Mbps	12Mbps	18Mbps	24Mbps	36Mbps	48Mbps	54Mbps
1	19.14	/	/	/	/	/	/	/
6	19.22	19.01	18.88	18.80	18.67	17.29	17.09	15.90
11	19.13	/	/	/	/	/	/	/
Tune up	19.6	19.6	19.6	19.6	19.6	18.0	18.0	17.0

802.11n (dBm) - HT20 (2.4G)

Channel\data rate	MCS0	MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7
1	18.27	/	/	/	/	/	/	/
6	18.33	18.01	17.77	17.65	16.28	16.11	14.99	14.86
11	18.25	/	/	/	/	/	/	/
Tune up	18.6	18.6	18.6	18.6	17.0	17.0	16.0	16.0

802.11n (dBm) – HT40 (2.4G)

Channel\data rate	MCS0	MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7
3	17.92	/	/	/	/	/	/	/
Tune up	18.3	18.3	18.3	18.3	17.8	17.3	16.0	16.0
6	18.89	/	/	/	/	/	/	/
9	18.92	18.63	18.39	18.10	16.61	16.27	15.18	15.06
Tune up	19.5	19.5	19.5	19.5	17.0	17.0	16.0	16.0

802.11n (dBm) – HT40 (5G)

Channel\data rate	MCS0	MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7
38	15.25	/	/	/	/	/	/	/
46	15.59	15.33	14.24	13.97	12.70	11.46	10.36	9.34
Tune up	16.0	16.0	15.0	15.0	14.0	13.0	12.0	11.0
54	15.89	15.59	14.54	14.26	13.02	11.79	10.72	9.68
62	15.73	/	/	/	/	/	/	/
Tune up	16.5	16.5	15.5	15.5	14.5	13.5	12.5	11.5
102	14.19	/	/	/	/	/	/	/
110	14.20	/	/	/	/	/	/	/
118	13.94	/	/	/	/	/	/	/
126	14.23	14.02	12.87	12.60	11.23	9.96	8.82	7.71
134	14.08	/	/	/	/	/	/	/
142	13.14	/	/	/	/	/	/	/
Tune up	15.5	15.5	14.5	14.5	12.5	11.5	10.5	9.5

802.11ac (dBm) – HT80 (5G)

Channel\data rate	MCS0	MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7	MCS8	MCS9
155	12.24	12.07	12.01	10.99	9.88	9.91	8.86	8.89	8.87	8.81
Tune up	13.5	13.5	13.5	12.5	11.5	11.5	10.5	10.5	10.5	10.5

Low Power

802.11b (dBm)

Channel\data rate	1Mbps	2Mbps	5.5Mbps	11Mbps
1	15.81	/	/	/
6	16.02	15.85	15.84	15.71
11	15.93	/	/	/
Tune up	16.3	16.3	16.3	16.3

802.11g (dBm)

Channel\data rate	6Mbps	9Mbps	12Mbps	18Mbps	24Mbps	36Mbps	48Mbps	54Mbps
1	15.34	15.30	15.18	15.05	14.90	14.57	14.33	14.34
6	15.06	/	/	/	/	/	/	/
11	15.21	/	/	/	/	/	/	/
Tune up	16.0	16.0	16.0	16.0	16.0	15.5	15.5	15.5

802.11n (dBm) - HT20 (2.4G)

Channel\data rate	MCS0	MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7
1	15.40	15.22	15.01	14.85	14.62	14.34	14.23	14.13
6	15.29	/	/	/	/	/	/	/
11	15.32	/	/	/	/	/	/	/
Tune up	16.0	16.0	16.0	16.0	15.5	15.5	15.5	15.5

802.11n (dBm) – HT40 (2.4G)

Channel\data rate	MCS0	MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7
3	14.03	/	/	/	/	/	/	/
6	14.53	/	/	/	/	/	/	/
9	14.75	14.54	14.28	13.92	13.49	13.06	12.84	12.69
Tune up	15.0	15.0	14.5	14.5	14.0	13.5	13.5	13.0

802.11ac (dBm) – HT80 (5G)

Channel\data rate	MCS0	MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7
42	13.22	13.09	13.03	12.02	10.92	10.95	9.97	9.99
Tune up	14.0	14.0	14.0	13.0	12.0	12.0	11.0	11.0
58	14.09	13.96	13.89	12.92	11.86	11.88	10.94	10.95
Tune up	14.5	14.5	14.5	13.5	12.5	12.5	11.5	11.5
106	12.89	12.63	12.56	11.54	10.42	10.47	9.41	9.45
122	12.36	/	/	/	/	/	/	/
138	12.17	/	/	/	/	/	/	/
Tune up	13.5	13.5	13.5	12.5	11.5	11.5	10.5	10.5
155	12.24	12.07	12.01	10.99	9.88	9.91	8.86	8.89
Tune up	13.5	13.5	13.5	12.5	11.5	11.5	10.5	10.5

12 Simultaneous TX SAR Considerations

12.1 Introduction

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

12.2 Transmit Antenna Separation Distances

Picture 12.1 Antenna Locations

12.3 SAR Measurement Positions

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

SAR measurement positions						
Mode	Front	Rear	Left edge	Right edge	Top edge	Bottom edge
Main antenna	Yes	Yes	Yes	Yes	No	Yes
WLAN	Yes	Yes	No	Yes	Yes	No

12.4 Standalone SAR Test Exclusion Considerations

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

[(max. power of channel, including tune-up tolerance, mW)/(min. test separation distance, mm)] · [√f(GHz)] ≤ 3.0 for 1-g SAR, where

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

Table 12.1: Standalone SAR test exclusion considerations

Band/Mode	F(GHz)	Position	SAR test exclusion threshold(mW)	RF output power		SAR test exclusion
				dBm	mW	
Bluetooth	2.441	Head	9.60	4.2	2.63	Yes
		Body	19.20	4.2	2.63	Yes
2.4GHz WLAN	2.45	Head	9.58	22	158.5	No
		Body	19.17	22	158.5	No
5GHz WLAN	5.25	Head	6.55	16.5	44.67	No
		Body	13.09	16.5	44.67	No
	5.6	Head	6.34	15.5	35.48	No
		Body	12.68	15.5	35.48	No
	5.75	Head	6.26	13.5	22.39	No
		Body	12.51	13.5	22.39	No

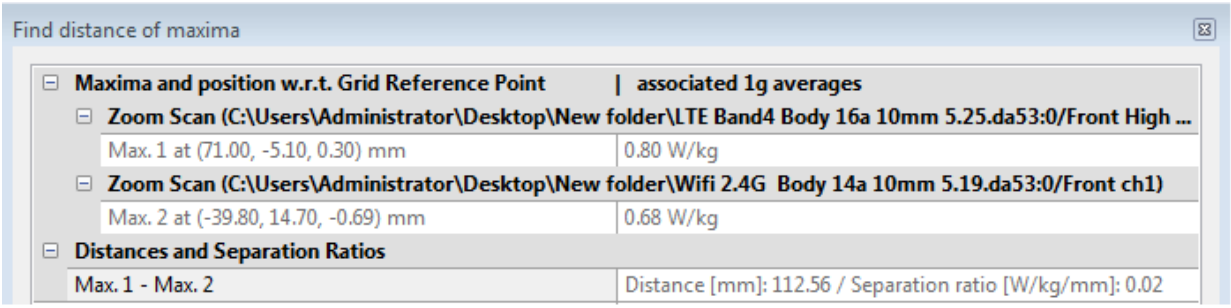
13 Evaluation of Simultaneous

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

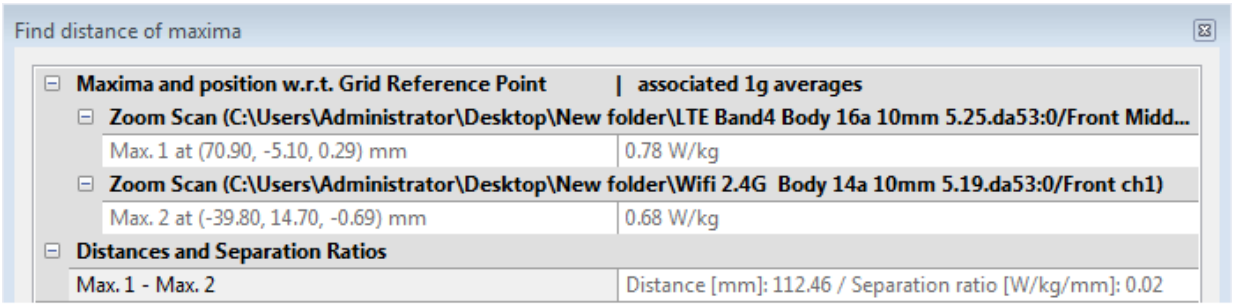
	Position	Band	Main antenna	WLAN	Sum	Distance (mm)	Ratio
Maximum reported SAR value for Head	Left hand, Touch cheek	CDMA BC1	0.36	1.05	**1.41**	**/**	**/**
	Right hand, Touch cheek	GSM 850 CDMA BC10	0.27	0.82	**1.09**	/	**/**
Maximum reported SAR value for Body	Front 10mm	LTE Band 4 1RB	0.96	0.81	**1.77**	112.56	**0.02**
			0.96		**1.77**	112.46	**0.02**
			0.90		**1.71**	112.31	**0.02**
		LTE Band 7 1RB	1.11		**1.92**	99.94	**0.03**
			1.12		**1.93**	99.94	**0.03**
			1.15		**1.96**	93.05	**0.03**
		LTE Band 7 50RB	0.86		**1.67**	91.46	**0.02**
			0.96		**1.77**	99.94	**0.02**
			0.91		**1.72**	101.5	**0.02**
		LTE Band 7 100RB	0.99		**1.80**	107	**0.02**
	Rear 10mm	LTE Band 4	0.98	0.59	**1.57**	/	**/**
	Bottom 10mm	GSM 1900	1.46	/	**1.46**	/	**/**
	Front 15mm	WCDMA 1700	0.85	0.33	**1.18**	/	**/**
	Rear 15mm	WCDMA 1700	0.82	0.27	**1.09**	/	**/**

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

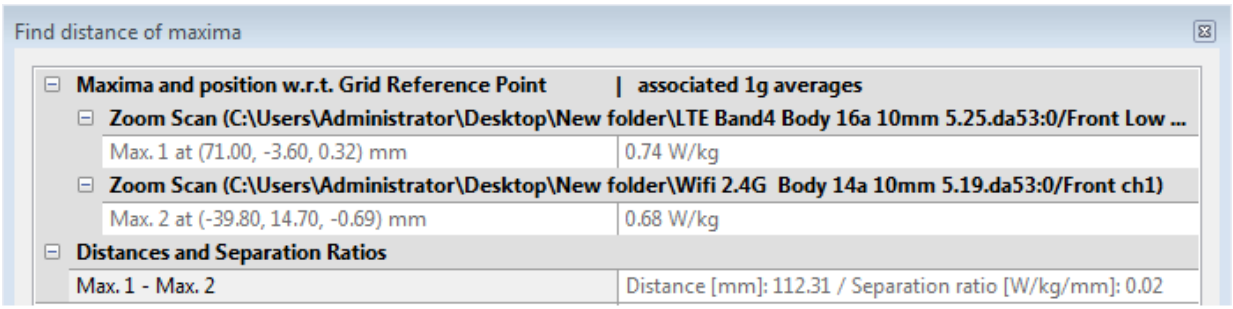
According to the KDB 447498 D01, when the sum of SAR is larger than the limit, SAR test exclusion is determined by the SAR to peak location separation ratio. The ratio is determined by $(SAR1 + SAR2)^{1.5}/Ri$, rounded to two decimal digits, and must be ≤ 0.04 for all antenna pairs in the configuration to qualify for 1-g SAR test exclusion.



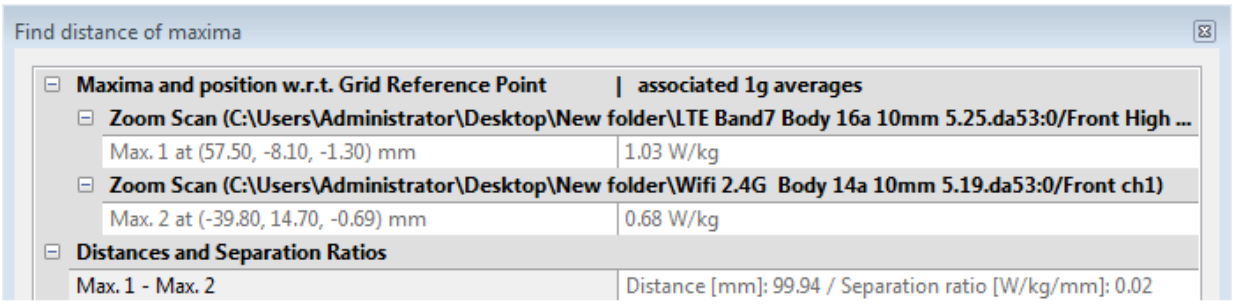
Picture 13.1 Distance evaluation for LTE B4 1RB High channel and WLAN



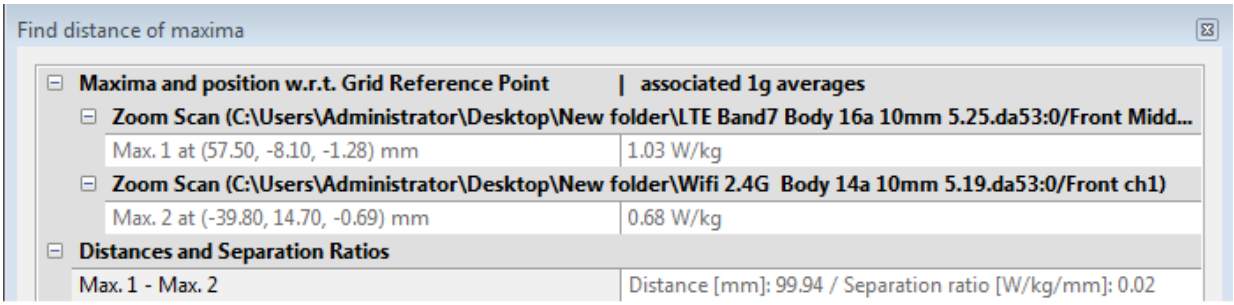
Picture 13.2 Distance evaluation for LTE B4 1RB Middle channel and WLAN



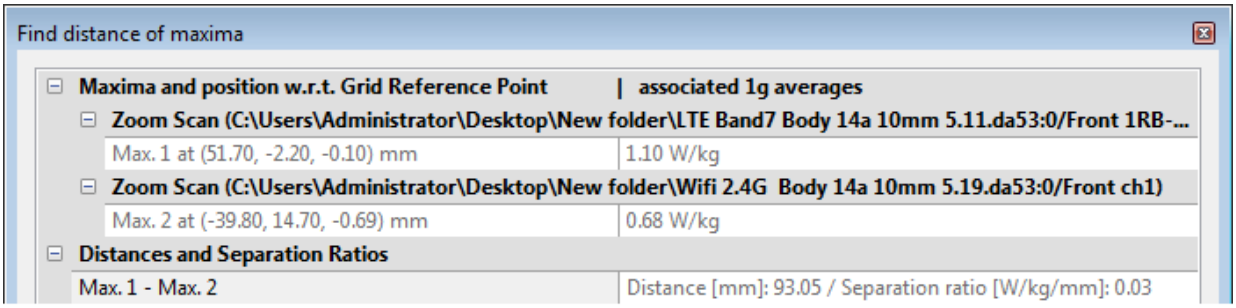
Picture 13.3 Distance evaluation for LTE B4 1RB Low channel and WLAN



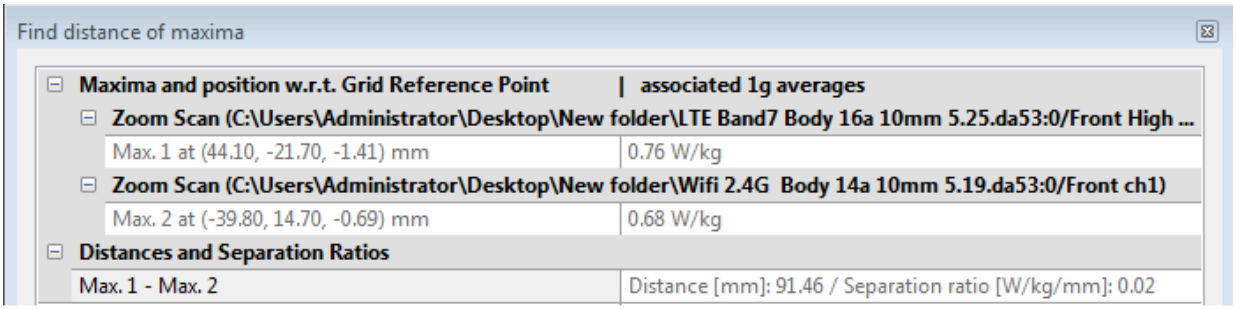
Picture 13.4 Distance evaluation for LTE B7 1RB High channel and WLAN



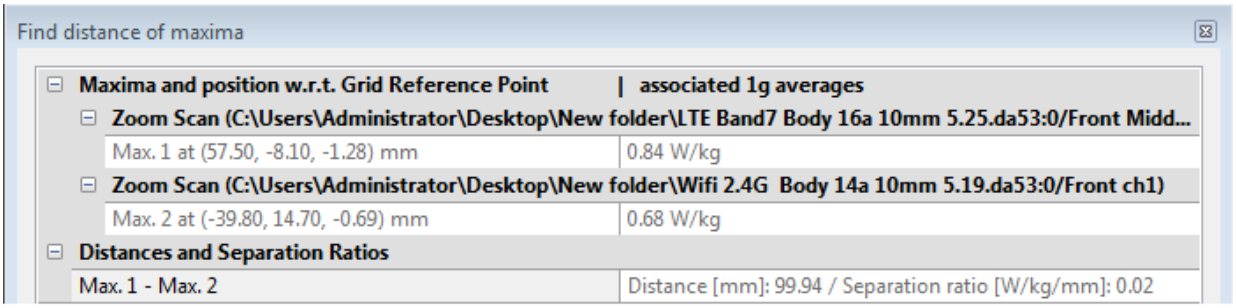
Picture 13.5 Distance evaluation for LTE B7 1RB Middle channel and WLAN



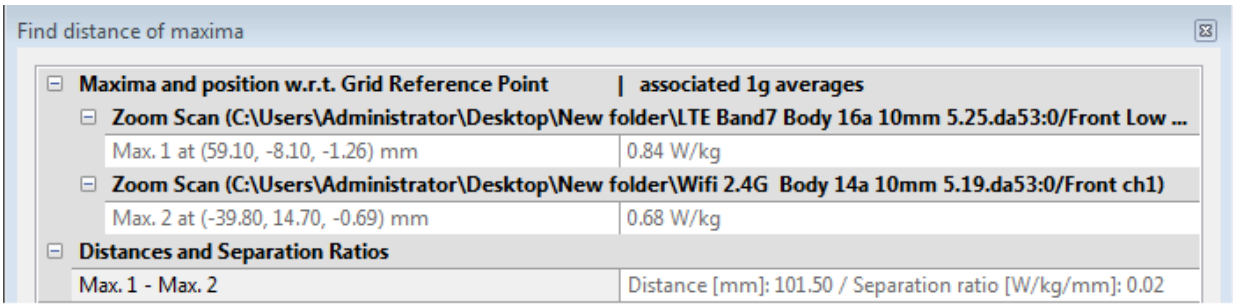
Picture 13.6 Distance evaluation for LTE B7 1RB Low channel and WLAN



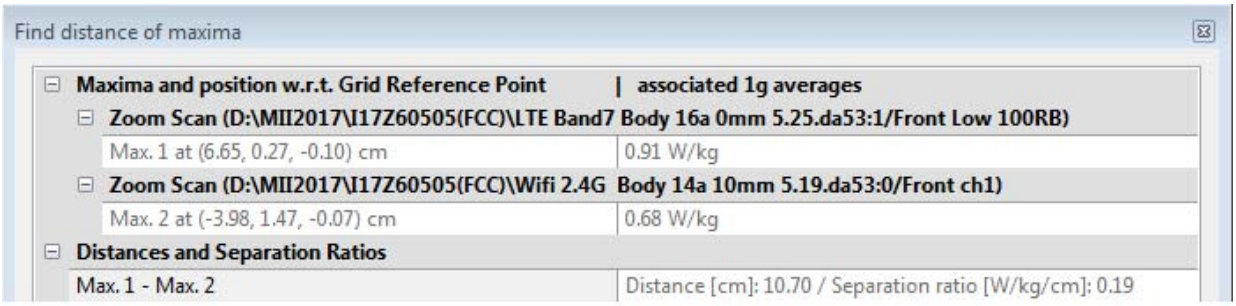
Picture 13.7 Distance evaluation for LTE B7 50RB High channel and WLAN



Picture 13.8 Distance evaluation for LTE B7 50RB Middle channel and WLAN



Picture 13.9 Distance evaluation for LTE B7 50RB Low channel and WLAN



Picture 13.10 Distance evaluation for LTE B7 100RB Low channel and WLAN

Table 13.2: The sum of reported SAR values for main antenna and BT

	Position	Main antenna	BT	Sum
Maximum reported SAR value for Head	Left hand, Touch cheek	0.36	0.11[1]	**0.47**
Maximum reported SAR value for Body	Front 10mm	1.15	0.05[1]	**1.20**
	Bottom 10mm	1.46	/	**1.46**
	Front 15mm	0.85	0.04[1]	**0.89**

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

Table 13.3: Estimated SAR for Bluetooth

Mode/Band	F (GHz)	Position	Distance (mm)	Upper limit of power *		Estimated$_{1g}$ (W/kg)
				dBm	mW	
Bluetooth	2.441	Head	5	4.2	2.63	0.11
Bluetooth	2.441	Body	10	4.2	2.63	0.05
Bluetooth	2.441	Body	15	4.2	2.63	0.04

* - Maximum possible output power declared by manufacturer

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

Conclusion:
According to the above tables, the sum of reported SAR values is > 1.6W/kg, but the SAR to peak location separation ratio < 0.04. So the simultaneous transmission SAR with volume scans is not required.

14 SAR Test Result

It is determined by user manual for the distance between the EUT and the phantom bottom.
The distance is 10 mm for hotspot and 15mm for body worn and just applied to the condition of body worn accessory.
It is performed for all SAR measurements with area scan based 1-g SAR estimation (Fast SAR). A zoom scan measurement is added when the estimated 1-gSAR is the highest measured SAR in each exposure configuration, wireless mode and frequency band combination or more than 1.2W/kg.
The calculated SAR is obtained by the following formula:

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

Where P_{Target} is the power of manufacturing upper limit;
$P_{Measured}$ is the measured power in chapter 11.

Table 14.1: Duty Cycle

Mode	Duty Cycle
Speech for GSM850/1900	1:8.3
GPRS&EGPRS for body worn	1:4
GPRS&EGPRS for hotspot	1:2.67
WCDMA&LTE FDD	1:1
LTE TDD	1:1.58

14.1 The evaluation of multi-batteries

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

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

Frequency		Mode/Band	Side	Test Position	Battery Type	SAR(1g)	Power
MHz	Ch.					(W/kg)	Drift(dB)
2510	20850	LTE B7	Left	Touch	CAC2560001CJ	0.269	-0.00
2510	20850	LTE B7	Left	Touch	CAC2560002C1	0.237	-0.05

Note: According to the values in the above table, the battery, CAC2560001CJ, is the primary battery. We'll perform the head measurement with this battery and retest on highest value point with others.

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

Frequency		Mode/Band	Test Position	Spacing (mm)	Battery Type	SAR(1g)	Power
MHz	Ch.					(W/kg)	Drift(dB)
2510	20850	LTE B7	Front	10	CAC2560001CJ	1.10	-0.14
2510	20850	LTE B7	Front	10	CAC2560002C1	0.887	0.15

Note: According to the values in the above table, the battery, CAC2560001CJ, is the primary battery. We'll perform the body measurement with this battery and retest on highest value point with others.

Note:
B1: The battery of CAC2560001CJ
B2: The battery of CAC2560002C1

14.2 SAR results for Fast SAR

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

Ambient Temperature: 22.5 °C					Liquid Temperature: 22.0°C						
Frequency		Side	Test Position	Figure No./Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(10g) (W/kg)	Reported SAR(10g) (W/kg)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift (dB)
Ch.	MHz										
190	836.6	Left	Touch	/	32.87	34.2	0.075	**0.10**	0.094	**0.13**	0.03
190	836.6	Left	Tilt	/	32.87	34.2	0.052	**0.07**	0.065	**0.09**	0.02
251	848.8	Right	Touch	Fig.1	32.89	34.2	0.154	**0.21**	0.199	**0.27**	-0.05
190	836.6	Right	Touch	/	32.87	34.2	0.110	**0.15**	0.141	**0.19**	-0.01
128	824.2	Right	Touch	/	33.01	34.2	0.096	**0.13**	0.124	**0.16**	-0.01
190	836.6	Right	Tilt	/	32.87	34.2	0.059	**0.08**	0.075	**0.10**	0.03
251	848.8	Right	Touch	B2	32.89	34.2	0.139	**0.19**	0.179	**0.24**	0.04
251	848.8	Right	Touch	DTM	28.41	28.6	0.153	**0.16**	0.196	**0.20**	-0.09

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

Ambient Temperature: 22.5 °C						Liquid Temperature: 22.0°C					
Frequency		Mode (number of timeslots)	Test Position	Figure No./Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(10g) (W/kg)	Reported SAR(10g) (W/kg)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift (dB)
Ch.	MHz										
251	848.8	GPRS (2)	Front	Fig.2	31.16	32.2	0.285	**0.36**	0.504	**0.64**	-0.06
190	836.6	GPRS (2)	Front	/	31.13	32.2	0.213	**0.27**	0.374	**0.48**	0.06
128	824.2	GPRS (2)	Front	/	31.50	32.2	0.188	**0.22**	0.325	**0.38**	0.09
190	836.6	GPRS (2)	Rear	/	31.13	32.2	0.205	**0.26**	0.353	**0.45**	0.01
190	836.6	GPRS (2)	Left	/	31.13	32.2	0.029	**0.04**	0.042	**0.05**	0.04
190	836.6	GPRS (2)	Right	/	31.13	32.2	0.120	**0.15**	0.176	**0.23**	0.04
190	836.6	GPRS (2)	Bottom	/	31.13	32.2	0.102	**0.13**	0.219	**0.28**	-0.08
251	848.8	EGPRS (2)	Front	/	31.14	32.2	0.254	**0.32**	0.474	**0.61**	0.04
251	848.8	GPRS (2)	Front	B2	31.16	32.2	0.255	**0.32**	0.485	**0.62**	0.01
251	848.8	GPRS (2)	Front	DTM	28.03	28.5	0.263	**0.29**	0.441	**0.49**	-0.08

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

Table 14.2-3: SAR Values (GSM 1900 MHz Band - Head)

Ambient Temperature: 22.5 °C Liquid Temperature: 22.0°C											
Frequency		Side	Test Position	Figure No./Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(10g) (W/kg)	Reported SAR(10g) (W/kg)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift (dB)
Ch.	MHz										
810	1909.8	Left	Touch	/	30.14	31.2	0.047	**0.06**	0.079	**0.10**	0.02
661	1880	Left	Touch	/	30.04	31.2	0.048	**0.06**	0.080	**0.10**	0.09
512	1850.2	Left	Touch	Fig.3	30.02	31.2	0.072	**0.09**	0.112	**0.15**	0.01
661	1880	Left	Tilt	/	30.04	31.2	0.024	**0.03**	0.044	**0.06**	-0.09
661	1880	Right	Touch	/	30.04	31.2	0.043	**0.06**	0.067	**0.09**	0.03
661	1880	Right	Tilt	/	30.04	31.2	0.029	**0.04**	0.052	**0.07**	0.06
512	1850.2	Left	Touch	B2	30.02	31.2	0.055	**0.07**	0.089	**0.12**	0.05
512	1850.2	Left	Touch	DTM	26.95	27.2	0.071	**0.08**	0.111	**0.12**	-0.05

Table 14.2-4: SAR Values (GSM 1900 MHz Band - Body)

Ambient Temperature: 22.5 °C Liquid Temperature: 22.0°C											
Frequency		Mode (number of timeslots)	Test Position	Figure No./Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(10g) (W/kg)	Reported SAR(10g) (W/kg)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift (dB)
Ch.	MHz										
810	1909.8	GPRS (2)	Front	/	27.94	29.2	0.207	**0.28**	0.395	**0.53**	0.07
661	1880	GPRS (2)	Front	/	27.82	29.2	0.218	**0.30**	0.401	**0.55**	-0.04
512	1850.2	GPRS (2)	Front	Fig.4	27.75	29.2	0.270	**0.38**	0.462	**0.65**	-0.04
661	1880	GPRS (2)	Rear	/	27.82	29.2	0.213	**0.29**	0.392	**0.54**	0.09
512	1850.2	EGPRS (2)	Front	/	27.72	29.2	0.243	**0.34**	0.451	**0.63**	-0.01
512	1850.2	GPRS (2)	Front	B2	27.75	29.2	0.246	**0.34**	0.459	**0.64**	0.17
512	1850.2	GPRS (2)	Front	DTM	26.66	27	0.256	**0.28**	0.451	**0.49**	-0.11

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

Table 14.2-5: SAR Values (GSM 1900 MHz Band - Body)

Ambient Temperature: 22.5 °C Liquid Temperature: 22.0°C											
Frequency		Mode (number of timeslots)	Test Position	Figure No./Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(10g) (W/kg)	Reported SAR(10g) (W/kg)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift (dB)
Ch.	MHz										
661	1880	GPRS (3)	Front	/	25.41	26	0.347	**0.40**	0.661	**0.76**	0.02
661	1880	GPRS (3)	Rear	/	25.41	26	0.311	**0.36**	0.588	**0.67**	0.05
661	1880	GPRS (3)	Left	/	25.41	26	0.149	**0.17**	0.250	**0.29**	-0.01
661	1880	GPRS (3)	Right	/	25.41	26	0.029	**0.03**	0.044	**0.05**	0.04
810	1909.8	GPRS (3)	Bottom	/	25.43	26	0.526	**0.60**	0.955	**1.09**	0.07
661	1880	GPRS (3)	Bottom	/	25.41	26	0.591	**0.68**	1.07	**1.23**	0.13
512	1850.2	GPRS (3)	Bottom	Fig.5	25.36	26	0.693	**0.80**	1.26	**1.46**	0.11
512	1850.2	EGPRS (3)	Bottom	/	25.36	26	0.687	**0.80**	1.20	**1.39**	-0.03
512	1850.2	GPRS (3)	Bottom	B2	25.36	26	0.674	**0.78**	1.14	**1.32**	-0.06
512	1850.2	GPRS (3)	Bottom	DTM	25.73	26.2	0.627	**0.70**	1.14	**1.27**	0.09

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

Table 14.2-6: SAR Values (WCDMA 850 MHz Band - Head)

Ambient Temperature: 22.5 °C Liquid Temperature: 22.0°C											
Frequency		Side	Test Position	Figure No./Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(10g) (W/kg)	Reported SAR(10g) (W/kg)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift (dB)
Ch.	MHz										
4182	836.4	Left	Touch	/	23.64	24.3	0.088	**0.10**	0.108	**0.13**	0.03
4182	836.4	Left	Tilt	/	23.64	24.3	0.071	**0.08**	0.088	**0.10**	-0.06
4233	846.6	Right	Touch	Fig.6	23.89	24.3	0.146	**0.16**	0.188	**0.21**	0.02
4182	836.4	Right	Touch	/	23.64	24.3	0.137	**0.16**	0.174	**0.20**	-0.01
4132	826.4	Right	Touch	/	23.76	24.3	0.131	**0.15**	0.167	**0.19**	-0.03
4182	836.4	Right	Tilt	/	23.64	24.3	0.081	**0.09**	0.103	**0.12**	0.02
4233	846.6	Right	Touch	B2	23.89	24.3	0.130	**0.14**	0.179	**0.20**	0.04

Table 14.2-7: SAR Values (WCDMA 850 MHz Band - Body)

Ambient Temperature: 22.5 °C Liquid Temperature: 22.0°C										
Frequency		Test Position	Figure No./Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(10g) (W/kg)	Reported SAR(10g) (W/kg)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift (dB)
Ch.	MHz									
4233	846.6	Front	Fig.7	23.89	24.3	0.265	**0.29**	0.471	**0.52**	0.00
4182	836.4	Front	/	23.64	24.3	0.249	**0.29**	0.419	**0.49**	0.06
4132	826.4	Front	/	23.76	24.3	0.207	**0.23**	0.365	**0.41**	-0.09
4182	836.4	Rear	/	23.64	24.3	0.208	**0.24**	0.320	**0.37**	0.01
4182	836.4	Left	/	23.64	24.3	0.038	**0.04**	0.060	**0.07**	0.03
4182	836.4	Right	/	23.64	24.3	0.128	**0.15**	0.202	**0.24**	-0.06
4182	836.4	Bottom	/	23.64	24.3	0.096	**0.11**	0.203	**0.24**	0.12
4233	846.6	Front	B2	23.89	24.3	0.254	**0.28**	0.440	**0.48**	0.07

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

Table 14.2-8: SAR Values (WCDMA 1700 MHz Band - Head)

Ambient Temperature: 22.5 °C Liquid Temperature: 22.0°C											
Frequency		Side	Test Position	Figure No./Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(10g) (W/kg)	Reported SAR(10g) (W/kg)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift (dB)
Ch.	MHz										
1738	1752.6	Left	Touch	/	23.65	24.3	0.084	**0.10**	0.140	**0.16**	0.09
1637	1732.4	Left	Touch	Fig.8	23.91	24.3	0.149	**0.16**	0.228	**0.25**	0.06
1537	1712.4	Left	Touch	/	23.87	24.3	0.095	**0.10**	0.158	**0.17**	0.01
1637	1732.4	Left	Tilt	/	23.91	24.3	0.032	**0.04**	0.057	**0.06**	0.07
1637	1732.4	Right	Touch	/	23.91	24.3	0.08	**0.09**	0.124	**0.14**	-0.01
1637	1732.4	Right	Tilt	/	23.91	24.3	0.037	**0.04**	0.061	**0.07**	0.12
1637	1732.4	Left	Touch	B2	23.91	24.3	0.114	**0.12**	0.194	**0.21**	0.02

Table 14.2-9: SAR Values (WCDMA 1700 MHz Band - Body)

Ambient Temperature: 22.5 °C Liquid Temperature: 22.0°C										
Frequency		Test Position	Figure No./Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(10g) (W/kg)	Reported SAR(10g) (W/kg)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift (dB)
Ch.	MHz									
1738	1752.6	Front	/	23.65	24.3	0.394	**0.46**	0.725	**0.84**	0.04
1637	1732.4	Front	Fig.9	23.91	24.3	0.455	**0.50**	0.778	**0.85**	-0.07
1537	1712.4	Front	/	23.87	24.3	0.383	**0.42**	0.704	**0.78**	-0.08
1738	1752.6	Rear	/	23.65	24.3	0.402	**0.47**	0.710	**0.82**	0.03
1637	1732.4	Rear	/	23.91	24.3	0.414	**0.45**	0.728	**0.80**	0.02
1537	1712.4	Rear	/	23.87	24.3	0.390	**0.43**	0.690	**0.76**	0.01
1637	1732.4	Front	B2	23.91	24.3	0.435	**0.48**	0.752	**0.82**	0.14

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

Table 14.2-10: SAR Values (WCDMA 1700 MHz Band - Body)

Ambient Temperature: 22.5 °C Liquid Temperature: 22.0°C										
Frequency		Test Position	Figure No./Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(10g) (W/kg)	Reported SAR(10g) (W/kg)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift (dB)
Ch.	MHz									
1637	1732.4	Front	/	22.74	23	0.392	**0.42**	0.720	**0.76**	0.04
1637	1732.4	Rear	/	22.74	23	0.385	**0.41**	0.694	**0.74**	0.04
1637	1732.4	Left	/	22.74	23	0.114	**0.12**	0.189	**0.20**	0.03
1637	1732.4	Right	/	22.74	23	0.019	**0.02**	0.031	**0.03**	0.11
1738	1752.6	Bottom	/	22.85	23	0.453	**0.47**	0.847	**0.88**	-0.05
1637	1732.4	Bottom	Fig.10	22.74	23	0.478	**0.51**	0.894	**0.95**	0.03
1537	1712.4	Bottom	/	22.57	23	0.456	**0.50**	0.847	**0.94**	0.02
1637	1732.4	Bottom	B2	22.74	23	0.457	**0.49**	0.861	**0.91**	0.01

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

Table 14.2-11: SAR Values(WCDMA 1900 MHz Band - Head)

Ambient Temperature: 22.5°C Liquid Temperature: 22.0°C											
Frequency		Side	Test Position	Figure No./Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(10g) (W/kg)	Reported SAR(10g) (W/kg)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift (dB)
Ch.	MHz										
9938	1907.6	Left	Touch	/	23.81	24.3	0.098	**0.11**	0.154	**0.17**	0.03
9800	1880	Left	Touch	Fig.11	23.66	24.3	0.112	**0.13**	0.176	**0.20**	0.09
9662	1852.4	Left	Touch	/	23.48	24.3	0.125	**0.15**	0.197	**0.24**	0.05
9800	1880	Left	Tilt	/	23.66	24.3	0.055	**0.06**	0.093	**0.11**	0.01
9800	1880	Right	Touch	/	23.66	24.3	0.106	**0.12**	0.167	**0.19**	0.03
9800	1880	Right	Tilt	/	23.66	24.3	0.069	**0.08**	0.117	**0.14**	0.12
9662	1852.4	Left	Touch	B2	23.48	24.3	0.119	**0.14**	0.181	**0.22**	-0.03

Table 14.2-12: SAR Values (WCDMA 1900 MHz Band - Body)

Ambient Temperature: 22.5°C Liquid Temperature: 22.0°C										
Frequency		Test Position	Figure No./Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(10g) (W/kg)	Reported SAR(10g) (W/kg)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift (dB)
Ch.	MHz									
9800	1880	Front	/	22.93	23.3	0.218	**0.24**	0.383	**0.42**	0.09
9938	1907.6	Rear	/	23.00	23.3	0.195	**0.21**	0.342	**0.37**	0.03
9800	1880	Rear	/	22.93	23.3	0.220	**0.24**	0.384	**0.42**	-0.09
9662	1852.4	Rear	Fig.12	22.78	23.3	0.279	**0.31**	0.471	**0.53**	-0.01
9662	1852.4	Rear	B2	22.78	23.3	0.236	**0.27**	0.417	**0.47**	0.08

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

Table 14.2-13: SAR Values (WCDMA 1900 MHz Band - Body)

Ambient Temperature: 22.5°C Liquid Temperature: 22.0°C										
Frequency		Test Position	Figure No./Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(10g) (W/kg)	Reported SAR(10g) (W/kg)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift (dB)
Ch.	MHz									
9800	1880	Front	/	19.89	20.3	0.258	**0.28**	0.454	**0.50**	0.11
9800	1880	Rear	/	19.89	20.3	0.286	**0.31**	0.507	**0.56**	0.04
9800	1880	Left	/	19.89	20.3	0.120	**0.13**	0.226	**0.25**	0.17
9800	1880	Right	/	19.89	20.3	0.040	**0.04**	0.076	**0.08**	0.11
9938	1907.6	Bottom	/	20.01	20.3	0.336	**0.36**	0.622	**0.66**	-0.05
9800	1880	Bottom	Fig.13	19.89	20.3	0.408	**0.45**	0.755	**0.83**	-0.07
9662	1852.4	Bottom	/	19.76	20.3	0.337	**0.38**	0.620	**0.70**	0.12
9800	1880	Bottom	B2	19.89	20.3	0.390	**0.43**	0.722	**0.79**	0.08

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

Table 14.2-14: SAR Values (CDMA BC0 MHz Band - Head)

Ambient Temperature: 22.5 °C Liquid Temperature: 22.0°C											
Frequency		Side	Test Position	Figure No./ Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(10g) (W/kg)	Reported SAR(10g) (W/kg)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift (dB)
Ch.	MHz										
384	836.52	Left	Touch	/	24.68	25	0.128	**0.14**	0.167	**0.18**	0.11
384	836.52	Left	Tilt	/	24.68	25	0.100	**0.11**	0.128	**0.14**	0.08
777	848.31	Right	Touch	Fig.14	24.74	25	0.179	**0.19**	0.232	**0.25**	-0.12
384	836.52	Right	Touch	/	24.68	25	0.177	**0.19**	0.230	**0.25**	0.01
1013	824.7	Right	Touch	/	24.56	25	0.159	**0.18**	0.205	**0.23**	-0.07
384	836.52	Right	Tilt	/	24.68	25	0.107	**0.12**	0.137	**0.15**	0.05
777	848.31	Right	Touch	B2	24.74	25	0.167	**0.18**	0.216	**0.23**	-0.11

Table 14.2-15: SAR Values (CDMA BC0 MHz Band - Body)

Ambient Temperature: 22.5 °C Liquid Temperature: 22.0°C										
Frequency		Test Position	Figure No./Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(10g) (W/kg)	Reported SAR(10g) (W/kg)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift (dB)
Ch.	MHz									
777	848.31	Front	Fig.15	24.75	25	0.342	**0.36**	0.597	**0.63**	-0.16
384	836.52	Front	/	24.55	25	0.305	**0.34**	0.547	**0.61**	0.09
1013	824.7	Front	/	24.61	25	0.222	**0.24**	0.457	**0.50**	0.11
384	836.52	Rear	/	24.55	25	0.287	**0.32**	0.504	**0.56**	0.05
384	836.52	Left	/	24.55	25	0.043	**0.05**	0.066	**0.07**	-0.07
384	836.52	Right	/	24.55	25	0.203	**0.23**	0.310	**0.34**	-0.04
384	836.52	Bottom	/	24.55	25	0.127	**0.14**	0.278	**0.31**	0.08
777	848.31	Front	B2	24.75	25	0.319	**0.34**	0.558	**0.59**	0.09

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

Table 14.2-16: SAR Values (CDMA BC1 MHz Band - Head)

Ambient Temperature: 22.5 °C Liquid Temperature: 22.0°C											
Frequency		Side	Test Position	Figure No./ Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(10g) (W/kg)	Reported SAR(10g) (W/kg)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift (dB)
Ch.	MHz										
1175	1908.75	Left	Touch	/	24.33	25	0.134	**0.16**	0.212	**0.25**	0.05
600	1880	Left	Touch	/	24.34	25	0.151	**0.18**	0.236	**0.27**	-0.03
25	1851.25	Left	Touch	Fig.16	24.41	25	0.198	**0.23**	0.313	**0.36**	-0.04
600	1880	Left	Tilt	/	24.34	25	0.050	**0.06**	0.086	**0.10**	-0.01
600	1880	Right	Touch	/	24.34	25	0.120	**0.14**	0.184	**0.21**	-0.06
600	1880	Right	Tilt	/	24.34	25	0.057	**0.07**	0.092	**0.11**	0.02
25	1851.25	Left	Touch	B2	24.41	25	0.192	**0.22**	0.305	**0.35**	-0.02

Table 14.2-17: SAR Values (CDMA BC1 MHz Band - Body)

Ambient Temperature: 22.5 °C Liquid Temperature: 22.0°C										
Frequency		Test Position	Figure No./ Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(10g) (W/kg)	Reported SAR(10g) (W/kg)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift (dB)
Ch.	MHz									
600	1880	Front	/	23.19	24	0.298	**0.36**	0.521	**0.63**	0.02
1175	1908.75	Rear	/	23.17	24	0.267	**0.32**	0.461	**0.56**	-0.13
600	1880	Rear	/	23.19	24	0.312	**0.38**	0.538	**0.65**	0.04
25	1851.25	Rear	Fig.17	23.36	24	0.378	**0.44**	0.646	**0.75**	-0.05
25	1851.25	Rear	B2	23.36	24	0.361	**0.42**	0.627	**0.73**	0.02

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

Table 14.2-18: SAR Values (CDMA BC1 MHz Band - Body)

Ambient Temperature: 22.5 °C Liquid Temperature: 22.0°C										
Frequency		Test Position	Figure No./Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(10g) (W/kg)	Reported SAR(10g) (W/kg)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift (dB)
Ch.	MHz									
600	1880	Front	/	19.16	20.2	0.224	**0.28**	0.411	**0.52**	0.06
600	1880	Rear	/	19.16	20.2	0.236	**0.30**	0.426	**0.54**	0.12
600	1880	Left	/	19.16	20.2	0.069	**0.09**	0.120	**0.15**	0.02
600	1880	Right	/	19.16	20.2	0.017	**0.02**	0.031	**0.04**	-0.09
1175	1908.75	Bottom	/	19.17	20.2	0.308	**0.39**	0.582	**0.74**	0.09
600	1880	Bottom	/	19.16	20.2	0.348	**0.44**	0.662	**0.84**	0.07
25	1851.25	Bottom	Fig.18	19.29	20.2	0.411	**0.51**	0.763	**0.94**	-0.14
25	1851.25	Bottom	B2	19.29	20.2	0.384	**0.47**	0.744	**0.92**	0.10

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

Table 14.2-19: SAR Values (CDMA BC10 MHz Band - Head)

Ambient Temperature: 22.5 °C Liquid Temperature: 22.0°C											
Frequency		Side	Test Position	Figure No./ Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(10g) (W/kg)	Reported SAR(10g) (W/kg)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift (dB)
Ch.	MHz										
580	820.5	Left	Touch	/	24.56	25	0.139	**0.15**	0.173	**0.19**	0.03
580	820.5	Left	Tilt	/	24.56	25	0.114	**0.13**	0.145	**0.16**	-0.06
684	823.1	Right	Touch	/	24.54	25	0.181	**0.20**	0.235	**0.26**	0.06
580	820.5	Right	Touch	Fig.19	24.56	25	0.192	**0.21**	0.247	**0.27**	-0.08
476	817.9	Right	Touch	/	24.53	25	0.188	**0.21**	0.242	**0.27**	0.03
580	820.5	Right	Tilt	/	24.56	25	0.109	**0.12**	0.140	**0.15**	-0.01
580	820.5	Right	Touch	B2	24.56	25	0.171	**0.19**	0.231	**0.26**	-0.03

Table 14.2-20: SAR Values (CDMA BC10 MHz Band - Body)

Ambient Temperature: 22.5 °C Liquid Temperature: 22.0°C										
Frequency		Test Position	Figure No./Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(10g) (W/kg)	Reported SAR(10g) (W/kg)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift (dB)
Ch.	MHz									
684	823.1	Front	/	24.51	25	0.302	**0.34**	0.501	**0.56**	0.05
580	820.5	Front	Fig.20	24.52	25	0.310	**0.35**	0.527	**0.59**	-0.03
476	817.9	Front	/	24.56	25	0.296	**0.33**	0.490	**0.54**	-0.06
580	820.5	Rear	/	24.52	25	0.283	**0.32**	0.465	**0.52**	0.09
580	820.5	Left	/	24.52	25	0.045	**0.05**	0.066	**0.07**	-0.05
580	820.5	Right	/	24.52	25	0.200	**0.22**	0.294	**0.33**	0.04
580	820.5	Bottom	/	24.52	25	0.125	**0.14**	0.258	**0.29**	0.01
580	820.5	Front	B2	24.52	25	0.289	**0.32**	0.491	**0.55**	0.08

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

Table 14.2-21: SAR Values (LTE Band2 - Head)

Ambient Temperature: 22.5°C Liquid Temperature: 22.0°C												
Frequency		Mode	Side	Test Position	Figure No./ Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(10g) (W/kg)	Reported SAR(10g) (W/kg)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift (dB)
Ch.	MHz											
18900	1880	1RB_Low	Left	Touch	Fig.21	23.82	24	0.130	**0.14**	0.208	**0.22**	0.06
18900	1880	1RB_Low	Left	Tilt	/	23.82	24	0.052	**0.05**	0.091	**0.09**	-0.01
18900	1880	1RB_Low	Right	Touch	/	23.82	24	0.089	**0.09**	0.138	**0.14**	0.04
18900	1880	1RB_Low	Right	Tilt	/	23.82	24	0.049	**0.05**	0.081	**0.08**	-0.08
18900	1880	50RB_Low	Left	Touch	/	22.83	23	0.101	**0.11**	0.161	**0.17**	0.12
18900	1880	50RB_Low	Left	Tilt	/	22.83	23	0.040	**0.04**	0.072	**0.07**	-0.05
18900	1880	50RB_Low	Right	Touch	/	22.83	23	0.068	**0.07**	0.105	**0.11**	0.14
18900	1880	50RB_Low	Right	Tilt	/	22.83	23	0.037	**0.04**	0.061	**0.06**	-0.03
18900	1880	1RB_Low	Left	Touch	B2	23.82	24	0.125	**0.13**	0.200	**0.21**	0.09

Note1: The LTE mode is QPSK_20MHz.

Table 14.2-22: SAR Values (LTE Band2 - Body)

Ambient Temperature: 22.5°C Liquid Temperature: 22.0°C												
Frequency		Mode	Test Position	Figure No./ Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(10g) (W/kg)	Reported SAR(10g) (W/kg)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift (dB)	
Ch.	MHz											
18900	1880	1RB_Low	Front	/	23.46	24.3	0.304	**0.37**	0.543	**0.66**	0.09	
18900	1880	1RB_Low	Rear	Fig.22	23.46	24.3	0.342	**0.41**	0.582	**0.71**	-0.05	
18700	1860	50RB_Mid	Front	/	22.71	23.3	0.254	**0.29**	0.453	**0.52**	-0.04	
18700	1860	50RB_Mid	Rear	/	22.71	23.3	0.260	**0.30**	0.468	**0.54**	0.11	
18900	1880	1RB_Low	Rear	B2	23.46	24.3	0.305	**0.37**	0.544	**0.66**	0.06	

Note1: The distance between the EUT and the phantom bottom is 15mm.
Note2: The LTE mode is QPSK_20MHz.

Table 14.2-23: SAR Values (LTE Band2 - Body)

Ambient Temperature: 22.5℃ Liquid Temperature: 22.0℃											
Frequency		Mode	Test Position	Figure No./ Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(10g) (W/kg)	Reported SAR(10g) (W/kg)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift (dB)
Ch.	MHz										
18900	1880	1RB_Low	Front	/	21.53	21.7	0.328	**0.34**	0.656	**0.68**	0.06
18900	1880	1RB_Low	Rear	/	21.53	21.7	0.331	**0.34**	0.645	**0.67**	0.10
18900	1880	1RB_Low	Left	/	21.53	21.7	0.073	**0.08**	0.137	**0.14**	-0.19
18900	1880	1RB_Low	Right	/	21.53	21.7	0.035	**0.04**	0.062	**0.06**	0.15
19100	1900	1RB_Low	Bottom	/	21.52	21.7	0.531	**0.55**	0.998	**1.04**	0.19
18900	1880	1RB_Low	Bottom	Fig.23	21.53	21.7	0.569	**0.59**	1.07	**1.11**	-0.15
18700	1860	1RB_Low	Bottom	/	21.47	21.7	0.489	**0.52**	0.896	**0.94**	0.04
18900	1880	50RB_ Low	Front	/	20.27	20.7	0.261	**0.29**	0.523	**0.58**	0.01
18900	1880	50RB_ Low	Rear	/	20.27	20.7	0.249	**0.27**	0.485	**0.54**	0.02
18900	1880	50RB_ Low	Left	/	20.27	20.7	0.098	**0.11**	0.180	**0.20**	0.06
18900	1880	50RB_ Low	Right	/	20.27	20.7	0.028	**0.03**	0.049	**0.05**	-0.09
19100	1900	50RB_ Low	Bottom	/	20.26	20.7	0.392	**0.43**	0.817	**0.90**	0.14
18900	1880	50RB_ Low	Bottom	/	20.27	20.7	0.410	**0.45**	0.822	**0.91**	0.11
18700	1860	50RB_ Low	Bottom	/	20.24	20.7	0.378	**0.42**	0.725	**0.81**	0.06
19100	1900	100RB	Bottom	/	20.24	20.7	0.467	**0.52**	0.876	**0.97**	-0.14
18900	1880	1RB_Low	Bottom	B2	21.53	21.7	0.528	**0.55**	0.996	**1.04**	0.08

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

Note2: The LTE mode is QPSK_20MHz.

Table 14.2-24: SAR Values(LTE Band4 - Head)

Ambient Temperature: 22.5℃ Liquid Temperature: 22.0℃												
Frequency		Mode	Side	Test Position	Figure No./ Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(10g) (W/kg)	Reported SAR(10g) (W/kg)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift (dB)
Ch.	MHz											
20300	1745	1RB_High	Left	Touch	Fig.24	23.89	24	0.135	**0.14**	0.207	**0.21**	0.03
20300	1745	1RB_High	Left	Tilt	/	23.89	24	0.036	**0.04**	0.061	**0.06**	0.01
20300	1745	1RB_High	Right	Touch	/	23.89	24	0.074	**0.08**	0.112	**0.11**	0.09
20300	1745	1RB_High	Right	Tilt	/	23.89	24	0.045	**0.05**	0.076	**0.08**	0.12
20300	1745	50RB_Mid	Left	Touch	/	22.84	23	0.094	**0.10**	0.156	**0.16**	0.03
20300	1745	50RB_Mid	Left	Tilt	/	22.84	23	0.030	**0.03**	0.049	**0.05**	0.08
20300	1745	50RB_Mid	Right	Touch	/	22.84	23	0.062	**0.06**	0.093	**0.10**	0.01
20300	1745	50RB_Mid	Right	Tilt	/	22.84	23	0.036	**0.04**	0.059	**0.06**	0.04
20300	1745	1RB_High	Left	Touch	B2	23.89	24	0.102	**0.10**	0.170	**0.17**	0.18

Note1: The LTE mode is QPSK_20MHz.

Table 14.2-25: SAR Values (LTE Band4 - Body)

Ambient Temperature: 22.5 °C Liquid Temperature: 22.0°C											
Frequency		Mode	Test Position	Figure No./Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(10g) (W/kg)	Reported SAR(10g) (W/kg)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift (dB)
Ch.	MHz										
20300	1745	1RB_High	Front	/	23.89	24	0.340	**0.35**	0.619	**0.63**	0.14
20300	1745	1RB_High	Rear	Fig.25	23.89	24	0.408	**0.42**	0.684	**0.70**	-0.02
20300	1745	50RB_Mid	Front	/	22.84	23	0.261	**0.27**	0.473	**0.49**	0.07
20300	1745	50RB_Mid	Rear	/	22.84	23	0.307	**0.32**	0.546	**0.57**	-0.09
20300	1745	1RB_High	Rear	B2	23.89	24	0.385	**0.39**	0.667	**0.68**	0.11

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

Note2: The LTE mode is QPSK_20MHz.

Table 14.2-26: SAR Values (LTE Band4 - Body)

Ambient Temperature: 22.5 °C Liquid Temperature: 22.0°C											
Frequency		Mode	Test Position	Figure No./Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(10g) (W/kg)	Reported SAR(10g) (W/kg)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift (dB)
Ch.	MHz										
20300	1745	1RB_Low	Front	/	22.37	23.2	0.448	**0.54**	0.796	**0.96**	0.00
20175	1732.5	1RB_High	Front	/	22.28	23.2	0.429	**0.53**	0.776	**0.96**	-0.11
20050	1720	1RB_High	Front	/	22.33	23.2	0.417	**0.51**	0.738	**0.90**	-0.05
20300	1745	1RB_Low	Rear	Fig.26	22.37	23.2	0.457	**0.55**	0.813	**0.98**	-0.12
20175	1732.5	1RB_High	Rear	/	22.28	23.2	0.443	**0.55**	0.793	**0.98**	0.09
20050	1720	1RB_High	Rear	/	22.33	23.2	0.434	**0.53**	0.788	**0.96**	0.15
20300	1745	1RB_Low	Left	/	22.37	23.2	0.154	**0.19**	0.263	**0.32**	-0.02
20300	1745	1RB_Low	Right	/	22.37	23.2	0.027	**0.03**	0.042	**0.05**	0.11
20300	1745	1RB_Low	Bottom	/	22.37	23.2	0.332	**0.40**	0.629	**0.76**	0.06
20300	1745	50RB_Low	Front	/	21.38	22.2	0.311	**0.38**	0.557	**0.67**	0.04
20300	1745	50RB_Low	Rear	/	21.38	22.2	0.350	**0.42**	0.622	**0.75**	-0.18
20300	1745	50RB_Low	Left	/	21.38	22.2	0.120	**0.14**	0.207	**0.25**	0.14
20300	1745	50RB_Low	Right	/	21.38	22.2	0.017	**0.02**	0.021	**0.03**	0.12
20300	1745	50RB_Low	Bottom	/	21.38	22.2	0.268	**0.32**	0.508	**0.61**	0.01
20300	1745	100RB	Front		21.33	22.2	0.284	**0.35**	0.507	**0.62**	-0.06
20300	1745	100RB	Rear		21.33	22.2	0.337	**0.41**	0.602	**0.74**	-0.09
20300	1745	1RB_Low	Rear	B2	22.37	23.2	0.445	**0.54**	0.801	**0.97**	0.07

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

Note2: The LTE mode is QPSK_20MHz.

Table 14.2-27: SAR Values (LTE Band5 - Head)

Ambient Temperature: 22.5°C												
Frequency		Mode	Side	Test Position	Figure No.	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(10g) (W/kg)	Reported SAR(10g) (W/kg)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift (dB)
Ch.	MHz											
20450	829	1RB_Low	Left	Touch	/	24.06	24.2	0.079	**0.08**	0.102	**0.10**	0.03
20450	829	1RB_Low	Left	Tilt	/	24.06	24.2	0.065	**0.07**	0.083	**0.09**	0.05
20450	829	1RB_Low	Right	Touch	Fig.27	24.06	24.2	0.117	**0.12**	0.149	**0.15**	0.04
20450	829	1RB_Low	Right	Tilt	/	24.06	24.2	0.061	**0.06**	0.077	**0.08**	-0.01
20525	836.5	25RB_Mid	Left	Touch	/	22.79	23.2	0.064	**0.07**	0.080	**0.09**	0.10
20525	836.5	25RB_Mid	Left	Tilt	/	22.79	23.2	0.049	**0.05**	0.064	**0.07**	-0.04
20525	836.5	25RB_Mid	Right	Touch	/	22.79	23.2	0.092	**0.10**	0.116	**0.13**	0.06
20525	836.5	25RB_Mid	Right	Tilt	/	22.79	23.2	0.047	**0.05**	0.060	**0.07**	0.12
20450	829	1RB_Low	Right	Touch	B2	24.06	24.2	0.108	**0.11**	0.137	**0.14**	0.04

Note1: The LTE mode is QPSK_10MHz.

Table 14.2-28: SAR Values (LTE Band5 - Body)

Ambient Temperature: 22.5°C												
Frequency		Mode	Test Position	Figure No.	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(10g) (W/kg)	Reported SAR(10g) (W/kg)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift (dB)	
Ch.	MHz											
20450	829	1RB_Low	Front	Fig.28	24.06	24.2	0.213	**0.22**	0.363	**0.37**	-0.03	
20450	829	1RB_Low	Rear	/	24.06	24.2	0.196	**0.20**	0.339	**0.35**	0.09	
20450	829	1RB_Low	Left	/	24.06	24.2	0.034	**0.04**	0.057	**0.06**	0.01	
20450	829	1RB_Low	Right	/	24.06	24.2	0.129	**0.13**	0.210	**0.22**	0.07	
20450	829	1RB_Low	Bottom	/	24.06	24.2	0.089	**0.09**	0.208	**0.21**	0.03	
20525	836.5	25RB_Mid	Front	/	22.79	23.2	0.183	**0.20**	0.333	**0.37**	-0.09	
20525	836.5	25RB_Mid	Rear	/	22.79	23.2	0.166	**0.18**	0.281	**0.31**	0.03	
20525	836.5	25RB_Mid	Left	/	22.79	23.2	0.028	**0.03**	0.046	**0.05**	0.01	
20525	836.5	25RB_Mid	Right	/	22.79	23.2	0.106	**0.12**	0.173	**0.19**	0.03	
20525	836.5	25RB_Mid	Bottom	/	22.79	23.2	0.072	**0.08**	0.169	**0.19**	-0.09	
20450	829	1RB_Low	Front	B2	24.06	24.2	0.202	**0.21**	0.347	**0.36**	0.01	

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

Table 14.2-29: SAR Values (LTE Band7 - Head)

Ambient Temperature: 22.5°C Liquid Temperature: 22.0°C												
Frequency		Mode	Side	Test Position	Figure No./ Note	Conducted Power (dBm)	Max.tune-up Power (dBm)	Measured SAR(10g) (W/kg)	Reported SAR(10g)(W/kg)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift (dB)
Ch.	MHz											
20850	2510	1RB_High	Left	Touch	Fig.29	24.00	24	0.118	**0.12**	0.269	**0.27**	0.00
20850	2510	1RB_High	Left	Tilt	/	24.00	24	0.044	**0.04**	0.100	**0.10**	0.05
20850	2510	1RB_High	Right	Touch		24.00	24	0.111	**0.11**	0.222	**0.22**	0.03
20850	2510	1RB_High	Right	Tilt	/	24.00	24	0.053	**0.05**	0.123	**0.12**	-0.04
20850	2510	50RB_ Mid	Left	Touch	/	22.73	23	0.083	**0.09**	0.188	**0.20**	-0.09
20850	2510	50RB_ Mid	Left	Tilt	/	22.73	23	0.035	**0.04**	0.076	**0.08**	0.07
20850	2510	50RB_ Mid	Right	Touch	/	22.73	23	0.096	**0.10**	0.190	**0.20**	0.06
20850	2510	50RB_ Mid	Right	Tilt	/	22.73	23	0.042	**0.04**	0.097	**0.10**	0.09
20850	2510	1RB_High	Left	Touch	B2	24.00	24	0.099	**0.10**	0.237	**0.24**	-0.05

Note1: The LTE mode is QPSK_20MHz.

Table 14.2-30: SAR Values (LTE Band7 - Body)

Ambient Temperature: 22.5°C Liquid Temperature: 22.0°C											
Frequency		Mode	Test Position	Figure No./ Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(10g) (W/kg)	Reported SAR(10g) (W/kg)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift (dB)
Ch.	MHz										
20850	2510	1RB_High	Front	Fig.30	24.00	24	0.394	**0.39**	0.685	**0.69**	0.04
20850	2510	1RB_High	Rear	/	24.00	24	0.382	**0.38**	0.668	**0.67**	0.06
20850	2510	50RB_ Mid	Front	/	22.73	23	0.319	**0.34**	0.555	**0.59**	0.12
20850	2510	50RB_ Mid	Rear	/	22.73	23	0.327	**0.35**	0.574	**0.61**	0.07
20850	2510	1RB_High	Front	B2	24.00	24	0.385	**0.39**	0.672	**0.67**	0.15

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

Note2: The LTE mode is QPSK_20MHz.

Table 14.2-31: SAR Values (LTE Band7 - Body)

Ambient Temperature: 22.5 °C Liquid Temperature: 22.0°C											
Frequency		Mode	Test Position	Figure No./ Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(10g) (W/kg)	Reported SAR(10g) (W/kg)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift (dB)
Ch.	MHz										
21350	2560	1RB_Mid	Front	/	22.86	23.2	0.524	**0.57**	1.03	**1.11**	0.19
21100	2535	1RB_Low	Front	/	22.82	23.2	0.529	**0.58**	1.03	**1.12**	0.10
20850	2510	1RB_High	Front	Fig.31	23.02	23.2	0.547	**0.57**	1.10	**1.15**	-0.14
21350	2560	1RB_Mid	Rear	/	22.86	23.2	0.346	**0.37**	0.651	**0.70**	0.08
21100	2535	1RB_Low	Rear	/	22.82	23.2	0.341	**0.37**	0.644	**0.70**	-0.06
20850	2510	1RB_High	Rear	/	23.02	23.2	0.419	**0.44**	0.788	**0.82**	0.10
20850	2510	1RB_High	Left	/	23.02	23.2	0.096	**0.10**	0.195	**0.20**	0.04
20850	2510	1RB_High	Right	/	23.02	23.2	0.056	**0.06**	0.099	**0.10**	-0.09
21350	2560	1RB_Mid	Bottom	/	22.86	23.2	0.382	**0.41**	0.799	**0.86**	-0.01
21100	2535	1RB_Low	Bottom	/	22.82	23.2	0.369	**0.40**	0.673	**0.73**	0.06
20850	2510	1RB_High	Bottom	/	23.02	23.2	0.388	**0.40**	0.806	**0.84**	0.15
21350	2560	50RB_ Low	Front	/	21.63	22.2	0.401	**0.46**	0.758	**0.86**	-0.03
21100	2535	50RB_ Low	Front	/	21.62	22.2	0.431	**0.49**	0.842	**0.96**	0.05
20850	2510	50RB_ Mid	Front	/	21.84	22.2	0.431	**0.47**	0.840	**0.91**	0.09
20850	2510	50RB_ Mid	Rear	/	21.84	22.2	0.338	**0.37**	0.636	**0.69**	0.02
20850	2510	50RB_ Mid	Left	/	21.84	22.2	0.083	**0.09**	0.169	**0.18**	0.01
20850	2510	50RB_ Mid	Right	/	21.84	22.2	0.043	**0.05**	0.078	**0.08**	0.05
20850	2510	50RB_ Mid	Bottom	/	21.84	22.2	0.305	**0.33**	0.631	**0.69**	-0.14
20850	2510	100RB	Front	/	21.81	22.2	0.457	**0.50**	0.909	**0.99**	0.06
20850	2510	100RB	Rear	/	21.81	22.2	0.381	**0.42**	0.765	**0.84**	-0.03
20850	2510	100RB	Bottom	/	21.81	22.2	0.392	**0.43**	0.697	**0.76**	0.06
20850	2510	1RB_High	Front	B2	23.02	23.2	0.439	**0.46**	0.887	**0.92**	0.15

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

Note2: The LTE mode is QPSK_20MHz.

Table 14.2-32: SAR Values (LTE Band12 - Head)

Ambient Temperature: 22.5°C Liquid Temperature: 22.0°C												
Frequency		Mode	Side	Test Position	Figure No./ Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(10g) (W/kg)	Reported SAR(10g) (W/kg)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift (dB)
Ch.	MHz											
23130	711	1RB_Low	Left	Touch	/	24.09	24.2	0.102	**0.10**	0.120	**0.12**	0.08
23130	711	1RB_Low	Left	Tilt	/	24.09	24.2	0.063	**0.06**	0.074	**0.08**	0.10
23130	711	1RB_Low	Right	Touch	Fig.32	24.09	24.2	0.140	**0.14**	0.171	**0.18**	0.06
23130	711	1RB_Low	Right	Tilt	/	24.09	24.2	0.097	**0.10**	0.116	**0.12**	0.01
23130	711	25RB_Mid	Left	Touch	/	23.02	23.2	0.084	**0.09**	0.099	**0.10**	0.07
23130	711	25RB_Mid	Left	Tilt	/	23.02	23.2	0.050	**0.05**	0.060	**0.06**	-0.05
23130	711	25RB_Mid	Right	Touch	/	23.02	23.2	0.093	**0.10**	0.114	**0.12**	0.11
23130	711	25RB_Mid	Right	Tilt	/	23.02	23.2	0.075	**0.08**	0.089	**0.09**	-0.06
23130	711	1RB_Low	Right	Touch	B2	24.09	24.2	0.130	**0.13**	0.156	**0.16**	0.13

Note1: The LTE mode is QPSK_10MHz.

Table 14.2-33: SAR Values (LTE Band12 - Body)

Ambient Temperature: 22.5°C Liquid Temperature: 22.0°C											
Frequency		Mode	Test Position	Figure No./Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(10g) (W/kg)	Reported SAR(10g) (W/kg)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift (dB)
Ch.	MHz										
23130	711	1RB_Low	Front	/	24.09	24.2	0.166	**0.17**	0.315	**0.32**	0.04
23130	711	1RB_Low	Rear	Fig.33	24.09	24.2	0.189	**0.19**	0.347	**0.36**	0.08
23130	711	1RB_Low	Left	/	24.09	24.2	0.103	**0.11**	0.203	**0.21**	0.15
23130	711	1RB_Low	Right	/	24.09	24.2	0.122	**0.13**	0.240	**0.25**	-0.08
23130	711	1RB_Low	Bottom	/	24.09	24.2	0.043	**0.04**	0.114	**0.12**	0.02
23130	711	25RB_Mid	Front	/	23.02	23.2	0.135	**0.14**	0.256	**0.27**	0.11
23130	711	25RB_Mid	Rear	/	23.02	23.2	0.153	**0.16**	0.281	**0.29**	0.08
23130	711	25RB_Mid	Left	/	23.02	23.2	0.086	**0.09**	0.170	**0.18**	0.04
23130	711	25RB_Mid	Right	/	23.02	23.2	0.102	**0.11**	0.200	**0.21**	0.16
23130	711	25RB_Mid	Bottom	/	23.02	23.2	0.034	**0.04**	0.090	**0.09**	-0.07
23130	711	1RB_Low	Rear	B2	24.09	24.2	0.170	**0.17**	0.322	**0.33**	-0.11

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

Table 14.2-34: SAR Values (LTE Band13 - Head)

Ambient Temperature: 22.5°C Liquid Temperature: 22.0°C												
Frequency		Mode	Side	Test Position	Figure No./ Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(10g) (W/kg)	Reported SAR(10g) (W/kg)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift (dB)
Ch.	MHz											
23230	782	1RB_Mid	Left	Touch	/	23.80	24	0.121	**0.13**	0.151	**0.16**	0.06
23230	782	1RB_Mid	Left	Tilt	/	23.80	24	0.098	**0.10**	0.128	**0.13**	-0.03
23230	782	1RB_Mid	Right	Touch	Fig.34	23.80	24	0.161	**0.17**	0.209	**0.22**	0.19
23230	782	1RB_Mid	Right	Tilt	/	23.80	24	0.112	**0.12**	0.147	**0.15**	0.03
23230	782	25RB_Mid	Left	Touch	/	22.80	23	0.097	**0.10**	0.122	**0.13**	0.07
23230	782	25RB_Mid	Left	Tilt	/	22.80	23	0.075	**0.08**	0.095	**0.10**	0.12
23230	782	25RB_Mid	Right	Touch	/	22.80	23	0.131	**0.14**	0.171	**0.18**	0.04
23230	782	25RB_Mid	Right	Tilt	/	22.80	23	0.076	**0.08**	0.099	**0.10**	0.07
23230	782	1RB_Mid	Right	Touch	B2	23.80	24	0.149	**0.16**	0.183	**0.19**	-0.06

Note1: The LTE mode is QPSK_10MHz.

Table 14.2-35: SAR Values (LTE Band13 - Body)

Ambient Temperature: 22.5°C Liquid Temperature: 22.0°C											
Frequency		Mode	Test Position	Figure No./Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(10g) (W/kg)	Reported SAR(10g) (W/kg)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift (dB)
Ch.	MHz										
23230	782	1RB_ Mid	Front	/	23.80	24	0.239	**0.25**	0.436	**0.46**	0.04
23230	782	1RB_ Mid	Rear	Fig.35	23.80	24	0.250	**0.26**	0.446	**0.47**	-0.10
23230	782	1RB_ Mid	Left	/	23.80	24	0.084	**0.09**	0.142	**0.15**	0.13
23230	782	1RB_ Mid	Right	/	23.80	24	0.198	**0.21**	0.328	**0.34**	0.09
23230	782	1RB_ Mid	Bottom	/	23.80	24	0.085	**0.09**	0.194	**0.20**	0.17
23230	782	25RB_Mid	Front	/	22.80	23	0.196	**0.21**	0.358	**0.37**	0.11
23230	782	25RB_Mid	Rear	/	22.80	23	0.197	**0.21**	0.352	**0.37**	-0.06
23230	782	25RB_Mid	Left	/	22.80	23	0.071	**0.07**	0.119	**0.12**	0.02
23230	782	25RB_Mid	Right	/	22.80	23	0.152	**0.16**	0.249	**0.26**	-0.15
23230	782	25RB_Mid	Bottom	/	22.80	23	0.072	**0.08**	0.164	**0.17**	0.09
23230	782	1RB_ Mid	Rear	B2	23.80	24	0.227	**0.24**	0.412	**0.43**	0.12

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

Note2: The LTE mode is QPSK_10MHz.

Table 14.2-36: SAR Values (LTE band25 - Head)

Ambient Temperature: 22.5℃ Liquid Temperature: 22.0℃												
Frequency		Mode	Side	Test Position	Figure No./Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(10g) (W/kg)	Reported SAR(10g) (W/kg)	Measured SAR(1g) (W/kg)	Reported SAR(1g)(W/kg)	Power Drift (dB)
MHz	Ch.											
1905	26590	1RB_Low	Left	Touch	Fig.36	24.00	24.5	0.119	**0.13**	0.188	**0.21**	-0.15
1905	26590	1RB_Low	Left	Tilt	/	24.00	24.5	0.061	**0.07**	0.107	**0.12**	0.04
1905	26590	1RB_Low	Right	Touch	/	24.00	24.5	0.084	**0.09**	0.130	**0.15**	-0.08
1905	26590	1RB_Low	Right	Tilt	/	24.00	24.5	0.051	**0.06**	0.098	**0.11**	0.09
1905	26590	50RB_Mid	Left	Touch	/	22.70	23.5	0.106	**0.13**	0.169	**0.20**	-0.07
1905	26590	50RB_Mid	Left	Tilt	/	22.70	23.5	0.047	**0.06**	0.085	**0.10**	0.12
1905	26590	50RB_Mid	Right	Touch	/	22.70	23.5	0.077	**0.09**	0.117	**0.14**	-0.07
1905	26590	50RB_Mid	Right	Tilt	/	22.70	23.5	0.042	**0.05**	0.077	**0.09**	-0.12
1905	26590	1RB_Low	Left	Touch	B2	24.00	24.5	0.111	**0.12**	0.178	**0.20**	0.13

Note1: The LTE mode is QPSK_20MHz.

Table 14.2-37: SAR Values (LTE band25 - Body)

Ambient Temperature: 22.5℃ Liquid Temperature: 22.0℃											
Frequency		Mode	Test Position	Figure No./Note	Conducted Power (dBm)	Max. tune-upPower (dBm)	Measured SAR(10g) (W/kg)	Reported SAR(10g) (W/kg)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift (dB)
MHz	Ch.										
1905	26590	1RB_Low	Front	Fig.37	23.58	24.3	0.299	**0.35**	0.503	**0.59**	-0.06
1905	26590	1RB_Low	Rear	/	23.58	24.3	0.281	**0.33**	0.486	**0.57**	0.09
1905	26590	50RB_Low	Front	/	22.84	23.3	0.243	**0.27**	0.396	**0.44**	0.11
1905	26590	50RB_Low	Rear	/	22.84	23.3	0.245	**0.27**	0.401	**0.45**	0.07
1905	26590	1RB_Low	Front	B2	23.58	24.3	0.287	**0.34**	0.482	**0.57**	-0.09

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

Note2: The LTE mode is QPSK_20MHz.

Table 14.2-38: SAR Values (LTE band25 - Body)

Ambient Temperature: 22.5℃ Liquid Temperature: 22.0℃											
Frequency		Mode	Test Position	Figure No./Note	Conducted Power (dBm)	Max. tune-upPower (dBm)	Measured SAR(10g) (W/kg)	Reported SAR(10g) (W/kg)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift (dB)
MHz	Ch.										
1905	26590	1RB_Low	Front	/	22.19	22.2	0.406	**0.41**	0.687	**0.69**	0.04
1905	26590	1RB_Low	Rear	/	22.19	22.2	0.403	**0.40**	0.686	**0.69**	0.07
1905	26590	1RB_Low	Left	/	22.19	22.2	0.078	**0.08**	0.123	**0.12**	0.16
1905	26590	1RB_Low	Right	/	22.19	22.2	0.026	**0.03**	0.047	**0.05**	0.08
1905	26590	1RB_Low	Bottom	/	22.19	22.2	0.580	**0.58**	1.04	**1.05**	-0.12
1882.5	26365	1RB_Low	Bottom	Fig.38	21.82	22.2	0.616	**0.67**	1.10	**1.20**	-0.10
1860	26140	1RB_Low	Bottom	/	21.87	22.2	0.589	**0.64**	1.05	**1.14**	0.05
1905	26590	50RB_Low	Front	/	20.96	21.2	0.305	**0.32**	0.518	**0.55**	0.14
1905	26590	50RB_Low	Rear	/	20.96	21.2	0.320	**0.34**	0.544	**0.57**	0.08
1905	26590	50RB_Low	Left	/	20.96	21.2	0.063	**0.07**	0.101	**0.11**	-0.02
1905	26590	50RB_Low	Right	/	20.96	21.2	0.016	**0.02**	0.026	**0.03**	0.10
1905	26590	50RB_Low	Bottom	/	20.96	21.2	0.473	**0.50**	0.849	**0.90**	0.13
1882.5	26365	50RB_Low	Bottom	/	21.82	21.2	0.477	**0.41**	0.857	**0.74**	0.06
1860	26140	50RB_Low	Bottom	/	21.87	21.2	0.466	**0.40**	0.836	**0.72**	0.09
1905	26590	100RB	Bottom	/	21.09	21.2	0.468	**0.48**	0.838	**0.86**	0.15
1882.5	26365	1RB_Low	Bottom	B2	21.82	22.2	0.588	**0.64**	1.05	**1.15**	0.08

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

Note2: The LTE mode is QPSK_20MHz.

Table 14.2-39: SAR Values (LTE band26 - Head)

Ambient Temperature: 22.5 °C Liquid Temperature: 22.0°C												
Frequency		Mode	Side	Test Position	Figure No./Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(10g) (W/kg)	Reported SAR(10g) (W/kg)	Measured SAR(1g) (W/kg)	Reported SAR(1g)(W/kg)	Power Drift (dB)
MHz	Ch.											
831.5	26865	1RB_Mid	Left	Touch	/	23.62	24	0.081	**0.09**	0.103	**0.11**	0.05
831.5	26865	1RB_Mid	Left	Tilt	/	23.62	24	0.050	**0.05**	0.064	**0.07**	-0.01
831.5	26865	1RB_Mid	Right	Touch	Fig.39	23.62	24	0.130	**0.14**	0.168	**0.18**	-0.06
831.5	26865	1RB_Mid	Right	Tilt	/	23.62	24	0.056	**0.06**	0.073	**0.08**	-0.02
831.5	26865	36RB_Mid	Left	Touch	/	22.61	23	0.064	**0.07**	0.082	**0.09**	0.07
831.5	26865	36RB_Mid	Left	Tilt	/	22.61	23	0.039	**0.04**	0.049	**0.05**	0.01
831.5	26865	36RB_Mid	Right	Touch	/	22.61	23	0.102	**0.11**	0.131	**0.14**	0.02
831.5	26865	36RB_Mid	Right	Tilt	/	22.61	23	0.047	**0.05**	0.060	**0.07**	-0.03
831.5	26865	1RB_Mid	Right	Touch	B2	23.62	24	0.112	**0.12**	0.146	**0.16**	-0.02

Note1: The LTE mode is QPSK_15MHz.

Table 14.2-40: SAR Values (LTE band26 - Body)

Ambient Temperature: 22.5 °C Liquid Temperature: 22.0°C											
Frequency		Mode	Test Position	Figure No./Note	Conducted Power (dBm)	Max. tune-upPower (dBm)	Measured SAR(10g) (W/kg)	Reported SAR(10g) (W/kg)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift (dB)
MHz	Ch.										
831.5	26865	1RB_Mid	Front	Fig.40	23.62	24	0.250	**0.27**	0.438	**0.48**	-0.05
831.5	26865	1RB_Mid	Rear	/	23.62	24	0.190	**0.21**	0.355	**0.39**	0.08
831.5	26865	1RB_Mid	Left	/	23.62	24	0.035	**0.04**	0.056	**0.06**	0.04
831.5	26865	1RB_Mid	Right	/	23.62	24	0.128	**0.14**	0.203	**0.22**	0.01
831.5	26865	1RB_Mid	Bottom	/	23.62	24	0.088	**0.10**	0.196	**0.21**	0.08
831.5	26865	36RB_Mid	Front	/	22.61	23	0.205	**0.22**	0.347	**0.38**	-0.07
831.5	26865	36RB_Mid	Rear	/	22.61	23	0.150	**0.16**	0.280	**0.31**	0.04
831.5	26865	36RB_Mid	Left	/	22.61	23	0.028	**0.03**	0.044	**0.05**	0.05
831.5	26865	36RB_Mid	Right	/	22.61	23	0.105	**0.11**	0.166	**0.18**	-0.01
831.5	26865	36RB_Mid	Bottom	/	22.61	23	0.071	**0.08**	0.158	**0.17**	0.09
831.5	26865	1RB_Mid	Front	B2	23.62	24	0.243	**0.27**	0.408	**0.45**	0.01

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

Note2: The LTE mode is QPSK_15MHz.

Table 14.2-41: SAR Values(LTE Band41 - Head)

Ambient Temperature: 22.5°C Liquid Temperature: 22.0°C												
Frequency		Mode	Side	Test Position	Figure No./ Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(10g) (W/kg)	Reported SAR(10g) (W/kg)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift (dB)
Ch.	MHz											
40620	2593	1RB_High	Left	Touch	Fig.41	23.54	24	0.065	**0.07**	0.158	**0.18**	0.05
40620	2593	1RB_High	Left	Tilt	/	23.54	24	0.036	**0.04**	0.085	**0.09**	0.01
40620	2593	1RB_High	Right	Touch	/	23.54	24	0.046	**0.05**	0.111	**0.12**	0.08
40620	2593	1RB_High	Right	Tilt	/	23.54	24	0.022	**0.02**	0.049	**0.05**	-0.06
41490	2680	50RB_High	Left	Touch	/	22.22	23	0.056	**0.07**	0.136	**0.16**	0.08
41490	2680	50RB_High	Left	Tilt	/	22.22	23	0.027	**0.03**	0.061	**0.07**	0.04
41490	2680	50RB_High	Right	Touch	/	22.22	23	0.040	**0.05**	0.095	**0.11**	0.02
41490	2680	50RB_High	Right	Tilt	/	22.22	23	0.013	**0.02**	0.034	**0.04**	-0.02
40620	2593	1RB_High	Left	Touch	B2	23.54	24	0.045	**0.05**	0.132	**0.15**	0.09

Note1: The LTE mode is QPSK_20MHz.

Table 14.2-42: SAR Values (LTE Band41 - Body)

Ambient Temperature: 22.5°C Liquid Temperature: 22.0°C											
Frequency		Mode	Test Position	Figure No./ Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(10g) (W/kg)	Reported SAR(10g) (W/kg)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift (dB)
Ch.	MHz										
40620	2593	1RB_High	Front	/	23.54	24	0.202	**0.22**	0.396	**0.44**	0.09
40620	2593	1RB_High	Rear	Fig.42	23.54	24	0.236	**0.26**	0.442	**0.49**	-0.02
40620	2593	1RB_High	Left	/	23.54	24	0.025	**0.03**	0.042	**0.05**	0.09
40620	2593	1RB_High	Right	/	23.54	24	0.024	**0.03**	0.041	**0.05**	0.11
40620	2593	1RB_High	Bottom	/	23.54	24	0.165	**0.18**	0.355	**0.39**	0.14
41490	2680	50RB_High	Front	/	22.22	23	0.161	**0.19**	0.320	**0.38**	-0.08
41490	2680	50RB_High	Rear	/	22.22	23	0.173	**0.21**	0.350	**0.42**	0.11
41490	2680	50RB_High	Left	/	22.22	23	0.017	**0.02**	0.033	**0.04**	0.02
41490	2680	50RB_High	Right	/	22.22	23	0.014	**0.02**	0.028	**0.03**	-0.14
41490	2680	50RB_High	Bottom	/	22.22	23	0.143	**0.17**	0.313	**0.37**	0.18
40620	2593	1RB_High	Rear	B2	23.54	24	0.201	**0.22**	0.407	**0.45**	0.12

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

Table 14.2-43: SAR Values (LTE band66 - Head)

Ambient Temperature: 22.5 °C Liquid Temperature: 22.0°C												
Frequency		Mode	Side	Test Position	Figure No./ Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(10g) (W/kg)	Reported SAR(10g) (W/kg)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift (dB)
Ch.	MHz											
132072	1720	1RB_Mid	Left	Touch	Fig.43	23.99	24.2	0.192	**0.20**	0.289	**0.30**	-0.08
132072	1720	1RB_Mid	Left	Tilt	/	23.99	24.2	0.052	**0.05**	0.085	**0.09**	0.12
132072	1720	1RB_Mid	Right	Touch	/	23.99	24.2	0.158	**0.17**	0.227	**0.24**	0.04
132072	1720	1RB_Mid	Right	Tilt	/	23.99	24.2	0.067	**0.07**	0.117	**0.12**	-0.03
132072	1720	50RB_Mid	Left	Touch	/	22.93	23.2	0.155	**0.16**	0.231	**0.25**	0.09
132072	1720	50RB_Mid	Left	Tilt	/	22.93	23.2	0.047	**0.05**	0.076	**0.08**	-0.01
132072	1720	50RB_Mid	Right	Touch	/	22.93	23.2	0.107	**0.11**	0.163	**0.17**	0.08
132072	1720	50RB_Mid	Right	Tilt	/	22.93	23.2	0.046	**0.05**	0.088	**0.09**	0.05
132072	1720	1RB_Mid	Left	Touch	B2	23.99	24.2	0.185	**0.19**	0.280	**0.29**	-0.07

Note1: The LTE mode is QPSK_20MHz.

Table 14.2-44: SAR Values (LTE band66 - Body)

Ambient Temperature: 22.5 °C Liquid Temperature: 22.0°C											
Frequency		Mode	Test Position	Figure No./ Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(10g) (W/kg)	Reported SAR(10g) (W/kg)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift (dB)
Ch.	MHz										
132072	1720	1RB_Mid	Front	/	23.99	24.2	0.403	**0.42**	0.702	**0.74**	0.09
132072	1720	1RB_Mid	Rear	Fig.44	23.99	24.2	0.425	**0.45**	0.722	**0.76**	-0.11
132072	1720	50RB_Mid	Front	/	22.93	23.2	0.307	**0.33**	0.585	**0.62**	-0.02
132072	1720	50RB_Mid	Rear	/	22.93	23.2	0.321	**0.34**	0.613	**0.65**	0.03
132072	1720	1RB_Mid	Rear	B2	23.99	24.2	0.416	**0.44**	0.709	**0.74**	0.07

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

Note2: The LTE mode is QPSK_20MHz.

Table 14.2-45: SAR Values (LTE band66 - Body)

Ambient Temperature: 22.5℃ Liquid Temperature: 22.0℃											
Frequency		Mode	Test Position	Figure No./ Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(10g) (W/kg)	Reported SAR(10g) (W/kg)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift (dB)
Ch.	MHz										
132072	1720	1RB_High	Front	/	20.55	21.2	0.342	**0.40**	0.600	**0.70**	0.07
132072	1720	1RB_High	Rear	/	20.55	21.2	0.288	**0.33**	0.511	**0.59**	0.12
132072	1720	1RB_High	Left	/	20.55	21.2	0.070	**0.08**	0.117	**0.14**	0.06
132072	1720	1RB_High	Right	/	20.55	21.2	0.025	**0.03**	0.038	**0.04**	-0.04
132572	1770	1RB_High	Bottom	/	20.33	21.2	0.419	**0.51**	0.774	**0.95**	0.07
132322	1745	1RB_High	Bottom	/	20.39	21.2	0.435	**0.52**	0.824	**0.99**	-0.01
132072	1720	1RB_High	Bottom	Fig.45	20.55	21.2	0.487	**0.57**	0.903	**1.05**	-0.02
132072	1720	50RB_Mid	Front	/	19.48	20.2	0.266	**0.31**	0.473	**0.56**	0.08
132072	1720	50RB_Mid	Rear	/	19.48	20.2	0.226	**0.27**	0.399	**0.47**	0.10
132072	1720	50RB_Mid	Left	/	19.48	20.2	0.059	**0.07**	0.098	**0.12**	0.03
132072	1720	50RB_Mid	Right	/	19.48	20.2	0.018	**0.02**	0.027	**0.03**	0.18
132572	1770	50RB_Low	Bottom	/	19.09	20.2	0.374	**0.48**	0.701	**0.91**	0.05
132322	1745	50RB_Low	Bottom	/	19.30	20.2	0.367	**0.45**	0.697	**0.86**	-0.01
132072	1720	50RB_Mid	Bottom	/	19.48	20.2	0.380	**0.45**	0.703	**0.83**	0.04
132072	1720	100RB	Bottom	/	19.42	20.2	0.389	**0.47**	0.715	**0.86**	-0.02
132072	1720	1RB_High	Bottom	B2	20.55	21.2	0.478	**0.56**	0.864	**1.00**	-0.11

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

Note2: The LTE mode is QPSK_20MHz.

14.3 SAR results for Standard procedure

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

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

Ambient Temperature: 22.5 °C Liquid Temperature: 22.0°C											
Frequency		Side	Test Position	Figure No./Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(10g) (W/kg)	Reported SAR(10g) (W/kg)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift (dB)
Ch.	MHz										
251	848.8	Right	Touch	Fig.1	32.89	34.2	0.154	**0.21**	0.199	**0.27**	-0.05

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

Ambient Temperature: 22.5 °C Liquid Temperature: 22.0°C											
Frequency		Mode (number of timeslots)	Test Position	Figure No./Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(10g) (W/kg)	Reported SAR(10g) (W/kg)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift (dB)
Ch.	MHz										
251	848.8	GPRS (2)	Front	Fig.2	31.16	32.2	0.285	**0.36**	0.504	**0.64**	-0.06

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

Table 14.3-3: SAR Values (GSM 1900 MHz Band - Head)

Ambient Temperature: 22.5 °C Liquid Temperature: 22.0°C											
Frequency		Side	Test Position	Figure No./Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(10g) (W/kg)	Reported SAR(10g) (W/kg)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift (dB)
Ch.	MHz										
512	1850.2	Left	Touch	Fig.3	30.02	31.2	0.072	**0.09**	0.112	**0.15**	0.01

Table 14.3-4: SAR Values (GSM 1900 MHz Band - Body)

Ambient Temperature: 22.5 °C Liquid Temperature: 22.0°C											
Frequency		Mode (number of timeslots)	Test Position	Figure No./Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(10g) (W/kg)	Reported SAR(10g) (W/kg)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift (dB)
Ch.	MHz										
512	1850.2	GPRS (2)	Front	Fig.4	27.75	29.2	0.270	**0.38**	0.462	**0.65**	-0.04

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

Table 14.3-5: SAR Values (GSM 1900 MHz Band - Body)

Ambient Temperature: 22.5 °C Liquid Temperature: 22.0°C											
Frequency		Mode (number of timeslots)	Test Position	Figure No./Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(10g) (W/kg)	Reported SAR(10g) (W/kg)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift (dB)
Ch.	MHz										
512	1850.2	GPRS (3)	Bottom	Fig.5	25.36	26	0.693	**0.80**	1.26	**1.46**	0.11

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

Table 14.3-6: SAR Values (WCDMA 850 MHz Band - Head)

Ambient Temperature: 22.5 °C Liquid Temperature: 22.0°C											
Frequency		Side	Test Position	Figure No./Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(10g) (W/kg)	Reported SAR(10g) (W/kg)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift (dB)
Ch.	MHz										
4233	846.6	Right	Touch	Fig.6	23.89	24.3	0.146	**0.16**	0.188	**0.21**	0.02

Table 14.3-7: SAR Values (WCDMA 850 MHz Band - Body)

Ambient Temperature: 22.5 °C Liquid Temperature: 22.0°C										
Frequency		Test Position	Figure No./Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(10g) (W/kg)	Reported SAR(10g) (W/kg)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift (dB)
Ch.	MHz									
4233	846.6	Front	Fig.7	23.89	24.3	0.265	**0.29**	0.471	**0.52**	0.00

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

Table 14.3-8: SAR Values (WCDMA 1700 MHz Band - Head)

Ambient Temperature: 22.5 °C Liquid Temperature: 22.0°C											
Frequency		Side	Test Position	Figure No./Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(10g) (W/kg)	Reported SAR(10g) (W/kg)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift (dB)
Ch.	MHz										
1637	1732.4	Left	Touch	Fig.8	23.91	24.3	0.149	**0.16**	0.228	**0.25**	0.06

Table 14.3-9: SAR Values (WCDMA 1700 MHz Band - Body)

Ambient Temperature: 22.5 °C Liquid Temperature: 22.0°C										
Frequency		Test Position	Figure No./Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(10g) (W/kg)	Reported SAR(10g) (W/kg)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift (dB)
Ch.	MHz									
1637	1732.4	Front	Fig.9	23.91	24.3	0.455	**0.50**	0.778	**0.85**	-0.07

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

Table 14.3-10: SAR Values (WCDMA 1700 MHz Band - Body)

Ambient Temperature: 22.5 °C Liquid Temperature: 22.0°C										
Frequency		Test Position	Figure No./Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(10g) (W/kg)	Reported SAR(10g) (W/kg)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift (dB)
Ch.	MHz									
1637	1732.4	Bottom	Fig.10	22.74	23	0.478	**0.51**	0.894	**0.95**	0.03

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

Table 14.3-11: SAR Values(WCDMA 1900 MHz Band - Head)

Ambient Temperature: 22.5 °C Liquid Temperature: 22.0°C											
Frequency		Side	Test Position	Figure No./Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(10g) (W/kg)	Reported SAR(10g) (W/kg)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift (dB)
Ch.	MHz										
9662	1852.4	Left	Touch	/	23.48	24.3	0.125	**0.15**	0.197	**0.24**	0.05

Table 14.3-12: SAR Values (WCDMA 1900 MHz Band - Body)

Ambient Temperature: 22.5 °C Liquid Temperature: 22.0°C										
Frequency		Test Position	Figure No./Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(10g) (W/kg)	Reported SAR(10g) (W/kg)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift (dB)
Ch.	MHz									
9662	1852.4	Rear	Fig.12	22.78	23.3	0.279	**0.31**	0.471	**0.53**	-0.01

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

Table 14.3-13: SAR Values (WCDMA 1900 MHz Band - Body)

Ambient Temperature: 22.5 °C Liquid Temperature: 22.0°C										
Frequency		Test Position	Figure No./Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(10g) (W/kg)	Reported SAR(10g) (W/kg)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift (dB)
Ch.	MHz									
9800	1880	Bottom	Fig.13	19.89	20.3	0.408	**0.45**	0.755	**0.83**	-0.07

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

Table 14.3-14: SAR Values (CDMA BC0 MHz Band - Head)

Ambient Temperature: 22.5 °C Liquid Temperature: 22.0°C											
Frequency		Side	Test Position	Figure No./ Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(10g) (W/kg)	Reported SAR(10g) (W/kg)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift (dB)
Ch.	MHz										
777	848.31	Right	Touch	Fig.14	24.74	25	0.179	**0.19**	0.232	**0.25**	-0.12

Table 14.3-15: SAR Values (CDMA BC0 MHz Band - Body)

Ambient Temperature: 22.5 °C Liquid Temperature: 22.0°C										
Frequency		Test Position	Figure No./Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(10g) (W/kg)	Reported SAR(10g) (W/kg)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift (dB)
Ch.	MHz									
777	848.31	Front	Fig.15	24.75	25	0.342	**0.36**	0.597	**0.63**	-0.16

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

Table 14.3-16: SAR Values (CDMA BC1 MHz Band - Head)

Ambient Temperature: 22.5 °C Liquid Temperature: 22.0°C											
Frequency		Side	Test Position	Figure No./ Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(10g) (W/kg)	Reported SAR(10g) (W/kg)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift (dB)
Ch.	MHz										
25	1851.25	Left	Touch	Fig.16	24.41	25	0.198	**0.23**	0.313	**0.36**	-0.04

Table 14.3-17: SAR Values (CDMA BC1 MHz Band - Body)

Ambient Temperature: 22.5 °C Liquid Temperature: 22.0°C										
Frequency		Test Position	Figure No./ Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(10g) (W/kg)	Reported SAR(10g) (W/kg)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift (dB)
Ch.	MHz									
25	1851.25	Rear	Fig.17	23.36	24	0.378	**0.44**	0.646	**0.75**	-0.05

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

Table 14.3-18: SAR Values (CDMA BC1 MHz Band - Body)

Ambient Temperature: 22.5 °C Liquid Temperature: 22.0°C										
Frequency		Test Position	Figure No./Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(10g) (W/kg)	Reported SAR(10g) (W/kg)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift (dB)
Ch.	MHz									
25	1851.25	Bottom	Fig.18	19.29	20.2	0.411	**0.51**	0.763	**0.94**	-0.14

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

Table 14.3-19: SAR Values (CDMA BC10 MHz Band - Head)

Ambient Temperature: 22.5 °C Liquid Temperature: 22.0°C											
Frequency		Side	Test Position	Figure No./ Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(10g) (W/kg)	Reported SAR(10g) (W/kg)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift (dB)
Ch.	MHz										
580	820.5	Right	Touch	Fig.19	24.56	25	0.192	**0.21**	0.247	**0.27**	-0.08

Table 14.3-20: SAR Values (CDMA BC10 MHz Band - Body)

Ambient Temperature: 22.5 °C Liquid Temperature: 22.0°C										
Frequency		Test Position	Figure No./Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(10g) (W/kg)	Reported SAR(10g) (W/kg)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift (dB)
Ch.	MHz									
580	820.5	Front	Fig.20	24.52	25	0.310	**0.35**	0.527	**0.59**	-0.03

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

Table 14.3-21: SAR Values (LTE Band2 - Head)

Ambient Temperature: 22.5°C Liquid Temperature: 22.0°C												
Frequency		Mode	Side	Test Position	Figure No./ Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(10g) (W/kg)	Reported SAR(10g) (W/kg)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift (dB)
Ch.	MHz											
18900	1880	1RB_Low	Left	Touch	Fig.21	23.82	24	0.130	**0.14**	0.208	**0.22**	0.06

Note1: The LTE mode is QPSK_20MHz.

Table 14.3-22: SAR Values (LTE Band2 - Body)

Ambient Temperature: 22.5°C Liquid Temperature: 22.0°C												
Frequency		Mode	Test Position	Figure No./ Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(10g) (W/kg)	Reported SAR(10g) (W/kg)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift (dB)	
Ch.	MHz											
18900	1880	1RB_Low	Rear	Fig.22	23.46	24.3	0.342	**0.41**	0.582	**0.71**	-0.05	

Note1: The distance between the EUT and the phantom bottom is 15mm.
Note2: The LTE mode is QPSK_20MHz.

Table 14.3-23: SAR Values (LTE Band2 - Body)

Ambient Temperature: 22.5°C Liquid Temperature: 22.0°C												
Frequency		Mode	Test Position	Figure No./ Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(10g) (W/kg)	Reported SAR(10g) (W/kg)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift (dB)	
Ch.	MHz											
18900	1880	1RB_Low	Bottom	Fig.23	21.53	21.7	0.569	**0.59**	1.07	**1.11**	-0.15	

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

Table 14.3-24: SAR Values(LTE Band4 - Head)

Ambient Temperature: 22.5°C Liquid Temperature: 22.0°C												
Frequency		Mode	Side	Test Position	Figure No./ Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(10g) (W/kg)	Reported SAR(10g) (W/kg)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift (dB)
Ch.	MHz											
20300	1745	1RB_High	Left	Touch	Fig.24	23.89	24	0.135	**0.14**	0.207	**0.21**	0.03

Note1: The LTE mode is QPSK_20MHz.

Table 14.3-25: SAR Values (LTE Band4 - Body)

Ambient Temperature: 22.5 °C		Liquid Temperature: 22.0°C										
Frequency		Mode	Test Position	Figure No./Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(10g) (W/kg)	Reported SAR(10g) (W/kg)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift (dB)
Ch.	MHz										
20300	1745	1RB_High	Rear	Fig.25	23.89	24	0.408	**0.42**	0.684	**0.70**	-0.02

Note1: The distance between the EUT and the phantom bottom is 15mm.
Note2: The LTE mode is QPSK_20MHz.

Table 14.3-26: SAR Values (LTE Band4 - Body)

Ambient Temperature: 22.5 °C		Liquid Temperature: 22.0°C										
Frequency		Mode	Test Position	Figure No./Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(10g) (W/kg)	Reported SAR(10g) (W/kg)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift (dB)
Ch.	MHz										
20300	1745	1RB_Low	Rear	Fig.26	22.37	23.2	0.457	**0.55**	0.813	**0.98**	-0.12

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

Table 14.3-27: SAR Values (LTE Band5 - Head)

Ambient Temperature: 22.5°C		Liquid Temperature: 22.0°C										
Frequency		Mode	Side	Test Position	Figure No.	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(10g) (W/kg)	Reported SAR(10g) (W/kg)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift (dB)
Ch.	MHz											
20450	829	1RB_Low	Right	Touch	Fig.27	24.06	24.2	0.117	**0.12**	0.149	**0.15**	0.04

Note1: The LTE mode is QPSK_10MHz.

Table 14.3-28: SAR Values (LTE Band5 - Body)

Ambient Temperature: 22.5 °C		Liquid Temperature: 22.0°C									
Frequency		Mode	Test Position	Figure No.	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(10g) (W/kg)	Reported SAR(10g) (W/kg)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift (dB)
Ch.	MHz										
20450	829	1RB_Low	Front	Fig.28	24.06	24.2	0.213	**0.22**	0.363	**0.37**	-0.03

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

Table 14.3-29: SAR Values (LTE Band7 - Head)

Ambient Temperature: 22.5 °C Liquid Temperature: 22.0°C												
Frequency		Mode	Side	Test Position	Figure No./ Note	Conducted Power (dBm)	Max.tune-up Power (dBm)	Measured SAR(10g) (W/kg)	Reported SAR(10g)(W/kg)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift (dB)
Ch.	MHz											
20850	2510	1RB_High	Left	Touch	Fig.29	24.00	24	0.118	**0.12**	0.269	**0.27**	0.00

Note1: The LTE mode is QPSK_20MHz.

Table 14.3-30: SAR Values (LTE Band7 - Body)

Ambient Temperature: 22.5 °C Liquid Temperature: 22.0°C											
Frequency		Mode	Test Position	Figure No./ Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(10g) (W/kg)	Reported SAR(10g) (W/kg)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift (dB)
Ch.	MHz										
20850	2510	1RB_High	Front	Fig.30	24.00	24	0.394	**0.39**	0.685	**0.69**	0.04

Note1: The distance between the EUT and the phantom bottom is 15mm.
Note2: The LTE mode is QPSK_20MHz.

Table 14.3-31: SAR Values (LTE Band7 - Body)

Ambient Temperature: 22.5 °C Liquid Temperature: 22.0°C											
Frequency		Mode	Test Position	Figure No./ Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(10g) (W/kg)	Reported SAR(10g) (W/kg)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift (dB)
Ch.	MHz										
20850	2510	1RB_High	Front	Fig.31	23.02	23.2	0.547	**0.57**	1.10	**1.15**	-0.14

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

Table 14.3-32: SAR Values (LTE Band12 - Head)

Ambient Temperature: 22.5 °C Liquid Temperature: 22.0°C												
Frequency		Mode	Side	Test Position	Figure No./ Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(10g) (W/kg)	Reported SAR(10g) (W/kg)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift (dB)
Ch.	MHz											
23130	711	1RB_Low	Right	Touch	Fig.32	24.09	24.2	0.140	**0.14**	0.171	**0.18**	0.06

Note1: The LTE mode is QPSK_10MHz.

Table 14.3-33: SAR Values (LTE Band12 - Body)

Ambient Temperature: 22.5 °C Liquid Temperature: 22.0°C											
Frequency		Mode	Test Position	Figure No./Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(10g) (W/kg)	Reported SAR(10g) (W/kg)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift (dB)
Ch.	MHz										
23130	711	1RB_Low	Rear	Fig.33	24.09	24.2	0.189	**0.19**	0.347	**0.36**	0.08

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

Table 14.3-34: SAR Values (LTE Band13 - Head)

Ambient Temperature: 22.5 °C Liquid Temperature: 22.0°C												
Frequency		Mode	Side	Test Position	Figure No./ Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(10g) (W/kg)	Reported SAR(10g) (W/kg)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift (dB)
Ch.	MHz											
23230	782	1RB_Mid	Right	Touch	Fig.34	23.80	24	0.161	**0.17**	0.209	**0.22**	0.19

Note1: The LTE mode is QPSK_10MHz.

Table 14.3-35: SAR Values (LTE Band13 - Body)

Ambient Temperature: 22.5 °C Liquid Temperature: 22.0°C												
Frequency		Mode	Test Position	Figure No./Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(10g) (W/kg)	Reported SAR(10g) (W/kg)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift (dB)	
Ch.	MHz											
23230	782	1RB_ Mid	Rear	Fig.35	23.80	24	0.250	**0.26**	0.446	**0.47**	-0.10	

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

Table 14.3-36: SAR Values (LTE band25 - Head)

Ambient Temperature: 22.5 °C Liquid Temperature: 22.0°C												
Frequency		Mode	Side	Test Position	Figure No./Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(10g) (W/kg)	Reported SAR(10g) (W/kg)	Measured SAR(1g) (W/kg)	Reported SAR(1g)(W/kg)	Power Drift (dB)
MHz	Ch.											
1905	26590	1RB_Low	Left	Touch	Fig.36	24.00	24.5	0.119	**0.13**	0.188	**0.21**	-0.15

Note1: The LTE mode is QPSK_20MHz.

Table 14.3-37: SAR Values (LTE band25 - Body)

Ambient Temperature: 22.5 °C Liquid Temperature: 22.0°C											
Frequency		Mode	Test Position	Figure No./Note	Conducted Power (dBm)	Max. tune-upPower (dBm)	Measured SAR(10g) (W/kg)	Reported SAR(10g) (W/kg)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift (dB)
MHz	Ch.										
1905	26590	1RB_Low	Front	Fig.37	23.58	24.3	0.299	**0.35**	0.503	**0.59**	-0.06

Note1: The distance between the EUT and the phantom bottom is 15mm.
Note2: The LTE mode is QPSK_20MHz.

Table 14.3-38: SAR Values (LTE band25 - Body)

Ambient Temperature: 22.5 °C Liquid Temperature: 22.0°C											
Frequency		Mode	Test Position	Figure No./Note	Conducted Power (dBm)	Max. tune-upPower (dBm)	Measured SAR(10g) (W/kg)	Reported SAR(10g) (W/kg)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift (dB)
MHz	Ch.										
1882.5	26365	1RB_Low	Bottom	Fig.38	21.82	22.2	0.616	**0.67**	1.10	**1.20**	-0.10

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

Table 14.3-39: SAR Values (LTE band26 - Head)

Ambient Temperature: 22.5 °C Liquid Temperature: 22.0°C												
Frequency		Mode	Side	Test Position	Figure No./Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(10g) (W/kg)	Reported SAR(10g) (W/kg)	Measured SAR(1g) (W/kg)	Reported SAR(1g)(W/kg)	Power Drift (dB)
MHz	Ch.											
831.5	26865	1RB_Mid	Right	Touch	Fig.39	23.62	24	0.130	**0.14**	0.168	**0.18**	-0.06

Note1: The LTE mode is QPSK_15MHz.

Table 14.3-40: SAR Values (LTE band26 - Body)

Ambient Temperature: 22.5 °C Liquid Temperature: 22.0°C											
Frequency		Mode	Test Position	Figure No./Note	Conducted Power (dBm)	Max. tune-upPower (dBm)	Measured SAR(10g) (W/kg)	Reported SAR(10g) (W/kg)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift (dB)
MHz	Ch.										
831.5	26865	1RB_Mid	Front	Fig.40	23.62	24	0.250	**0.27**	0.438	**0.48**	-0.05

Note1: The distance between the EUT and the phantom bottom is 10mm.
Note2: The LTE mode is QPSK_15MHz.

Table 14.3-41: SAR Values(LTE Band41 - Head)

Ambient Temperature: 22.5 °C Liquid Temperature: 22.0°C												
Frequency		Mode	Side	Test Position	Figure No./ Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(10g) (W/kg)	Reported SAR(10g) (W/kg)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift (dB)
Ch.	MHz											
40620	2593	1RB_High	Left	Touch	Fig.41	23.54	24	0.065	**0.07**	0.158	**0.18**	0.05

Note1: The LTE mode is QPSK_20MHz.

Table 14.2-42: SAR Values (LTE Band41 - Body)

Ambient Temperature: 22.5 °C Liquid Temperature: 22.0°C											
Frequency		Mode	Test Position	Figure No./ Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(10g) (W/kg)	Reported SAR(10g) (W/kg)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift (dB)
Ch.	MHz										
40620	2593	1RB_High	Rear	Fig.42	23.54	24	0.236	**0.26**	0.442	**0.49**	-0.02

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

Table 14.2-43: SAR Values (LTE band66 - Head)

Ambient Temperature: 22.5 °C Liquid Temperature: 22.0°C												
Frequency		Mode	Side	Test Position	Figure No./ Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(10g) (W/kg)	Reported SAR(10g) (W/kg)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift (dB)
Ch.	MHz											
132072	1720	1RB_Mid	Left	Touch	Fig.43	23.99	24.2	0.192	**0.20**	0.289	**0.30**	-0.08

Note1: The LTE mode is QPSK_20MHz.

Table 14.3-44: SAR Values (LTE band66 - Body)

Ambient Temperature: 22.5 °C Liquid Temperature: 22.0°C											
Frequency		Mode	Test Position	Figure No./ Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(10g) (W/kg)	Reported SAR(10g) (W/kg)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift (dB)
Ch.	MHz										
132072	1720	1RB_Mid	Rear	Fig.44	23.99	24.2	0.425	**0.45**	0.722	**0.76**	-0.11

Note1: The distance between the EUT and the phantom bottom is 15mm.
Note2: The LTE mode is QPSK_20MHz.

Table 14.3-45: SAR Values (LTE band66 - Body)

Ambient Temperature: 22.5 °C Liquid Temperature: 22.0°C											
Frequency		Mode	Test Position	Figure No./ Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(10g) (W/kg)	Reported SAR(10g) (W/kg)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift (dB)
Ch.	MHz										
132072	1720	1RB_High	Bottom	Fig.45	20.55	21.2	0.487	**0.57**	0.903	**1.05**	-0.02

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

14.4 WLAN Evaluation for 2.4G

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

Head Evaluation

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

Ambient Temperature: 22.5 °C Liquid Temperature: 22.0°C											
Frequency		Side	Test Position	Figure No./ Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(10g) (W/kg)	Reported SAR(10g) (W/kg)	Measured SAR(1g) (W/kg)	Reported SAR(1g)(W/kg)	Power Drift (dB)
MHz	Ch.										
2437	6	Left	Touch	/	16.02	16.3	0.434	**0.46**	0.919	**0.98**	0.01
2437	6	Left	Tilt	/	16.02	16.3	0.390	**0.42**	0.869	**0.93**	0.00
2437	6	Right	Touch	/	16.02	16.3	0.403	**0.43**	0.766	**0.82**	0.04
2437	6	Right	Tilt	/	16.02	16.3	0.233	**0.25**	0.456	**0.49**	0.14
2437	6	Left	Touch	B2	16.02	16.3	0.419	**0.45**	0.904	**0.96**	0.05

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

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

Ambient Temperature: 22.5 °C Liquid Temperature: 22.0°C											
Frequency		Side	Test Position	Figure No./ Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(10g) (W/kg)	Reported SAR(10g) (W/kg)	Measured SAR(1g) (W/kg)	Reported SAR(1g)(W/kg)	Power Drift (dB)
MHz	Ch.										
2437	6	Left	Touch	Fig.46	16.02	16.3	0.424	**0.45**	0.989	**1.05**	0.01
2437	6	Left	Tilt	/	16.02	16.3	0.364	**0.39**	0.862	**0.92**	0.00
2437	6	Right	Touch	/	16.02	16.3	0.412	**0.44**	0.768	**0.82**	0.04
2437	6	Right	Tilt	/	16.02	16.3	0.224	**0.24**	0.448	**0.48**	0.14
2462	11	Left	Touch	/	15.93	16.3	0.365	**0.40**	0.799	**0.87**	-0.01
2462	11	Left	Tilt	/	15.93	16.3	0.303	**0.33**	0.729	**0.79**	0.02
2462	11	Right	Touch	/	15.93	16.3	0.365	**0.40**	0.682	**0.74**	0.01

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

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

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

Table 14.4-3: SAR Values (WLAN - Head) – 802.11b (Scaled Reported SAR)

Ambient Temperature: 22.5 °C Liquid Temperature: 22.0°C							
Frequency		Side	Test Position	Actual duty factor	maximum duty factor	Reported SAR (1g)(W/kg)	Scaled reported SAR (1g)(W/kg)
MHz	Ch.						
2437	6	Left	Touch	99.53%	100%	**1.05**	**1.05**
2437	6	Right	Touch	99.53%	100%	**0.82**	**0.82**

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

Body Evaluation

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

Ambient Temperature: 22.5 °C					Liquid Temperature: 22.0°C						
Frequency		Test Position	Figure No./ Note	Distance (mm)	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(10g) (W/kg)	Reported SAR(10g) (W/kg)	Measured SAR(1g) (W/kg)	Reported SAR(1g)(W/kg)	Power Drift (dB)
MHz	Ch.										
2412	1	Front	/	10	21.30	22	0.347	**0.41**	0.638	**0.75**	0.15
2412	1	Rear	/	10	21.30	22	0.260	**0.31**	0.472	**0.55**	0.09
2412	1	Right	/	10	21.30	22	0.076	**0.09**	0.169	**0.20**	0.11
2412	1	Top	/	10	21.30	22	0.069	**0.08**	0.148	**0.17**	0.04
2412	1	Front	B2	10	21.30	22	0.343	**0.40**	0.631	**0.74**	0.07
2412	1	Front	/	15	21.30	22	0.150	**0.18**	0.271	**0.32**	-0.05
2412	1	Rear	/	15	21.30	22	0.124	**0.15**	0.215	**0.25**	0.03

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

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

Ambient Temperature: 22.5 °C					Liquid Temperature: 22.0°C						
Frequency		Test Position	Figure No./ Note	Distance (mm)	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(10g) (W/kg)	Reported SAR(10g) (W/kg)	Measured SAR(1g) (W/kg)	Reported SAR(1g)(W/kg)	Power Drift (dB)
MHz	Ch.										
2412	1	Front	Fig.47	10	21.30	22	0.345	**0.41**	0.684	**0.80**	0.15
2412	1	Rear	/	10	21.30	22	0.285	**0.33**	0.503	**0.59**	0.09
2412	1	Front	/	15	21.30	22	0.162	**0.19**	0.277	**0.33**	0.06
2412	1	Rear	/	15	21.30	22	0.136	**0.16**	0.234	**0.27**	0.07

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

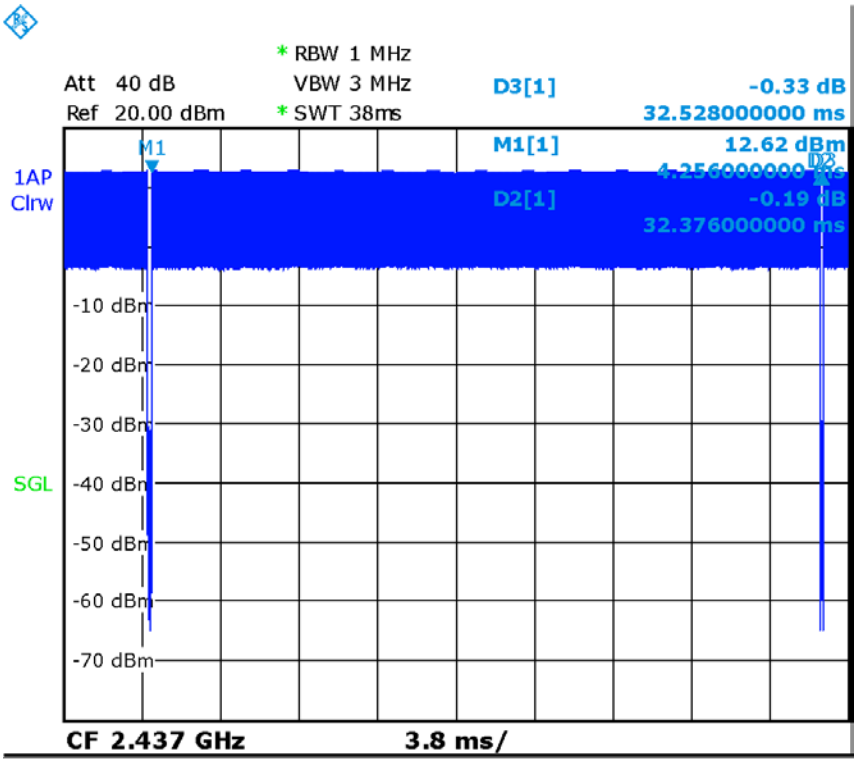
Note2: For all positions/configurations tested using the initial test position and subsequent test positions, when the rep SAR is > 0.8 W/kg, SAR is measured for these test positions/configurations on the subsequent next highest measured power channel until the reported SAR is ≤ 1.2 W/kg or all required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

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

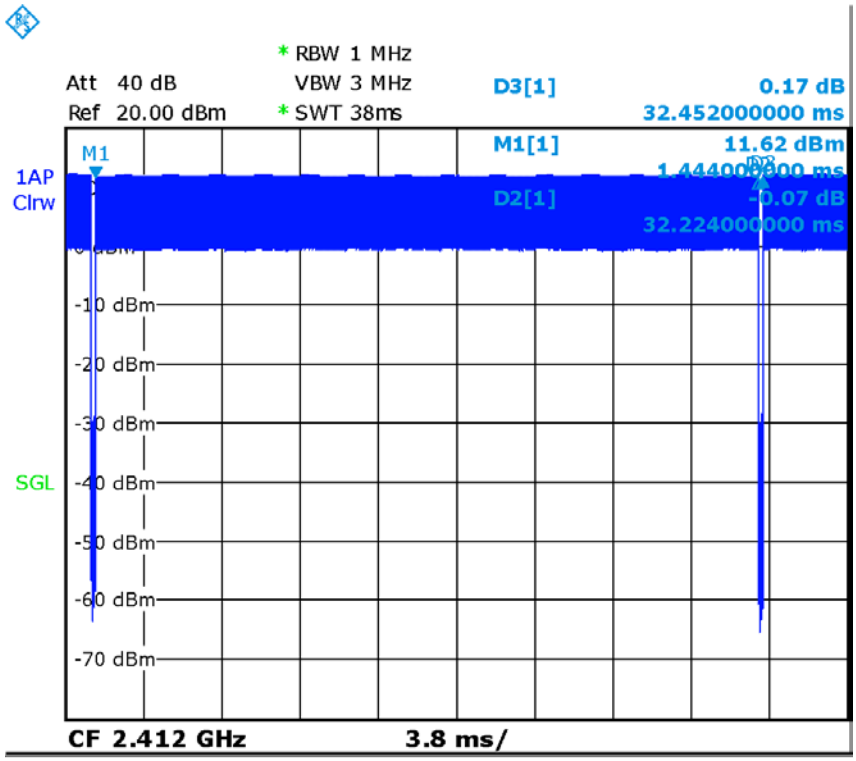
Table 14.4-6: SAR Values (WLAN - Body) – 802.11b (Scaled Reported SAR)

Ambient Temperature: 22.5 °C					Liquid Temperature: 22.0°C		
Frequency		Test Position	Distance (mm)	Actual duty factor	maximum duty factor	Reported SAR (1g)(W/kg)	Scaled reported SAR (1g)(W/kg)
MHz	Ch.						
2412	1	Front	10	99.30%	100%	**0.80**	**0.81**
2412	1	Rear	10	99.30%	100%	**0.59**	**0.59**
2412	1	Front	15	99.30%	100%	**0.33**	**0.33**
2412	1	Rear	15	99.30%	100%	**0.27**	**0.27**

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



Picture 14.1 Duty factor plot of channel 6



Picture 14.2 Duty factor plot of channel 1

14.5 WLAN Evaluation for 5G

Head (Low power)

Table 14.5-1: OFDM mode specified maximum output power of WLAN antenna

802.11 mode	a	g	n		ac			
Ch. BW(MHz)	20	20	20	40	20	40	80	160
U-NII-1	X		X	X	X	X	X	
U-NII-2A	X		X	X	X	X	X	
U-NII-2C	X		X	X	X	X	X	
U-NII-3	X		X	X	X	X	X	
§ 15.247 (5.8 GHz)								
X: maximum(conducted) output power(mW), including tolerance, specified for production units								

Table 14.5-2: Maximum output power specified of WLAN antenna

802.11 mode	a	g	n		ac			
Ch. BW(MHz)	20	20	20	40	20	40	80	160
U-NII-1	25		25	25	25	25	25	
U-NII-2A	28		28	28	28	28	28	
U-NII-2C	22		22	22	22	22	22	
U-NII-3	22		22	22	22	22	22	
§ 15.247 (5.8 GHz)								

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

Table 14.5-3: Maximum output power measured of WLAN antenna, for the applicable OFDM configurations according to the default power measurement procedures for selection initial test configurations

802.11 mode	a	n		ac		
BW(MHz)	20	20	40	20	40	80
U-NII-1	36/40/44/48 Lower power	36/40/44/48 Lower power	38/46 Lower power	36/40/44/48 Lower power	38/46 Lower power	42 **21**
U-NII-2A	52/56/60/64 Lower power	52/56/60/64 Lower power	54/62 Lower power	52/56/60/64 Lower power	54/62 Lower power	58 **26**
U-NII-2C	100/104/108/112 116/132/136/140/144 Lower power	100/104/108/112 116/132/136/140 Lower power	102/110/134 Lower power	100/104/108/112 116/132/136/140 Lower power	102/110/134 Lower power	106/122/138 **19/17/16**
U-NII-3	149/153/157/161/165 Lower power	149/153/157/161 /165 Lower power	151/159 Lower power	149/153/157/161 /165 Lower power	151/159 Lower power	155 **17**

- Channels with measured maximum power within 0.25dB are considered to have the same measured output. Channels selected for initial test configuration are highlighted in yellow.

Table 14.5-4: Reported SAR of initial test configuration for Head

802.11 mode	a	n		ac		
BW(MHz)	**20**	**20**	**40**	**20**	**40**	**80**
U-NII-1	36/40/44/48	36/40/44/48	38/46	36/40/44/48	38/46	42 U-NII-2A exclusion applied
U-NII-2A	52/56/60/64	52/56/60/64	54/62	52/56/60/64	54/62	58 **0.42**
U-NII-2C	100/104/108/112 116/132/136/140/144	100/104/108/112 116/132/136/140	102/110/118/126/134	100/104/108/112 116/132/136/140	102/110/134	106/122/138 **0.79**
U-NII-3	149/153/157/161/165	149/153/157/161/165	151/159	149/153/157/161/165	151/159	155 **1.03**
U-NII-1 and U-NII-2A bands have the same specified maximum output and tolerance; SAR is measured for U-NII-2A band first. Adjusted SAR of U-NII-2A band is ≤ 1.2W/kg, SAR is not required for U-NII-1 band.						

Table 14.5-5: SAR Values (WLAN - Head) – 802.11ac-HT80

Frequency		Side	Test Position	Figure No./ Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(10g) (W/kg)	Reported SAR(10g) (W/kg)	Measured SAR(1g) (W/kg)	Reported SAR(1g)(W/kg)	Power Drift (dB)
MHz	Ch.										
5290	58	Left	Touch	/	14.09	14.5	0.079	**0.09**	0.375	**0.41**	-0.03
5290	58	Left	Tilt	/	14.09	14.5	0.062	**0.07**	0.216	**0.24**	-0.03
5290	58	Right	Touch	/	14.09	14.5	0.012	**0.01**	0.050	**0.06**	-0.14
5290	58	Right	Tilt	/	14.09	14.5	0.011	**0.01**	0.040	**0.04**	0.05
5530	106	Left	Touch	/	12.89	13.5	0.141	**0.16**	0.664	**0.76**	0.13
5530	106	Left	Tilt	/	12.89	13.5	0.074	**0.09**	0.252	**0.29**	-0.19
5530	106	Right	Touch	/	12.89	13.5	0.041	**0.05**	0.158	**0.18**	0.09
5530	106	Right	Tilt	/	12.89	13.5	0.032	**0.04**	0.111	**0.13**	0.06
5775	155	Left	Touch	Fig.48	12.24	13.5	0.149	**0.20**	0.743	**0.99**	0.11
5775	155	Left	Tilt	/	12.24	13.5	0.079	**0.11**	0.306	**0.41**	-0.18
5775	155	Right	Touch	/	12.24	13.5	0.043	**0.06**	0.150	**0.20**	0.17
5775	155	Right	Tilt	/	12.24	13.5	0.032	**0.04**	0.119	**0.16**	0.06
5775	155	Left	Touch	B2	12.24	13.5	0.125	**0.17**	0.456	**0.61**	0.09

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 14.5-6: SAR Values (WLAN - Head) – 802.11ac-HT80 (Scaled Reported SAR)

Frequency		Side	Test Position	Actual duty factor	maximum duty factor	Reported SAR(1g)(W/kg)	Scaled reported SAR (1g)(W/kg)
MHz	Ch.						
5290	58	Left	Touch	97.20%	100%	**0.41**	**0.42**
5530	106	Left	Touch	96.53%	100%	**0.76**	**0.79**
5775	155	Left	Touch	96.53%	100%	**0.99**	**1.03**

Body (Normal power)

Table 14.5-7: OFDM mode specified maximum output power of WLAN antenna

802.11 mode	a	g	n		ac			
Ch. BW(MHz)	20	20	20	40	20	40	80	160
U-NII-1	X		X	X	X	X	X	
U-NII-2A	X		X	X	X	X	X	
U-NII-2C	X		X	X	X	X	X	
U-NII-3	X		X	X	X	X	X	
§ 15.247 (5.8 GHz)								
X: maximum(conducted) output power(mW), including tolerance, specified for production units								

Table 14.5-8: Maximum output power specified of WLAN antenna

802.11 mode	a	g	n		ac			
Ch. BW(MHz)	20	20	20	40	20	40	80	160
U-NII-1	40		40	40	32	32	25	
U-NII-2A	45		45	45	35	35	28	
U-NII-2C	35		35	35	28	28	22	
U-NII-3	22		22	22	22	22	22	
§ 15.247 (5.8 GHz)								

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

Table 14.5-9: Maximum output power measured of WLAN antenna, for the applicable OFDM configurations according to the default power measurement procedures for selection initial test configurations

802.11 mode	a	n		ac		
BW(MHz)	20	20	40	20	40	80
U-NII-1	36/40/44/48 Lower power	36/40/44/48 Lower power	38/46 **33/36**	36/40/44/48 Lower power	38/46 Lower power	42 Lower power
U-NII-2A	52/56/60/64 Lower power	52/56/60/64 Lower power	54/62 **39/37**	52/56/60/64 Lower power	54/62 Lower power	58 Lower power
U-NII-2C	100/104/108/112 116/132/136/140/144 Lower power	100/104/108/112 116/132/136/140 Lower power	102/110/118/ 126/134/142 **26/26/25/** **26/26/21**	100/104/108/112 116/132/136/140 Lower power	102/110/134 Lower power	106/122/138 Lower power
U-NII-3	149/153/157/161/165 Lower power	149/153/157/161 /165 Lower power	151/159 Lower power	149/153/157/161 /165 Lower power	151/159 Lower power	155 **17**

- Channels with measured maximum power within 0.25dB are considered to have the same measured output. Channels selected for initial test configuration are highlighted in yellow.

Table 14.5-10: Reported SAR of initial test configuration for Body

802.11 mode	a	n		ac		
BW(MHz)	**20**	**20**	**40**	**20**	**40**	**80**
U-NII-1	36/40/44/48	36/40/44/48	38/46 U-NII-2A exclusion applied	36/40/44/48	38/46	42
U-NII-2A	52/56/60/64	52/56/60/64	54/62 **0.17**	52/56/60/64	54/62	58
U-NII-2C	100/104/108/112 116/132/136/140/144	100/104/108/112 116/132/136/140	102/110/118/126/ 134/142 **0.33**	100/104/108/112 116/132/136/140	102/110/134	106
U-NII-3	149/153/157/161/165	149/153/157/161 /165	151/159	149/153/157/161 /165	151/159	155 **0.06**
U-NII-1 and U-NII-2A bands have the same specified maximum output and tolerance; SAR is measured for U-NII-2A band first. Adjusted SAR of U-NII-2A band is ≤ 1.2W/kg, SAR is not required for U-NII-1 band.						

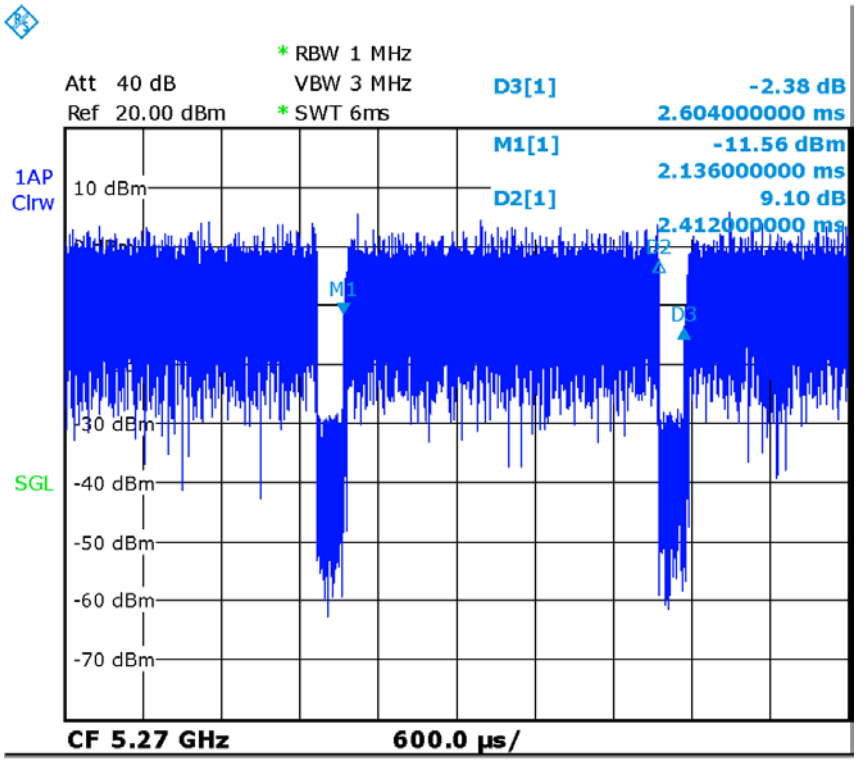
Table 14.5-11: SAR Values (WLAN - Body)

Frequency		Test Position	Distance (mm)	Figure No./ Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(10g) (W/kg)	Reported SAR(10g) (W/kg)	Measured SAR(1g) (W/kg)	Reported SAR(1g)(W/kg)	Power Drift (dB)
MHz	Ch.										
5270	54	Front	10	/	15.89	16.5	0.030	**0.03**	0.100	**0.11**	0.09
5270	54	Rear	10	/	15.89	16.5	0.043	**0.05**	0.137	**0.16**	0.00
5270	54	Right	10	/	15.89	16.5	0.021	**0.02**	0.050	**0.06**	0.09
5270	54	Top	10	/	15.89	16.5	0.014	**0.02**	0.033	**0.04**	0.01
5630	126	Front	10	/	14.23	15.5	0.064	**0.09**	0.205	**0.27**	-0.04
5630	126	Rear	10	Fig.49	14.23	15.5	0.077	**0.10**	0.235	**0.31**	0.00
5630	126	Right	10	/	14.23	15.5	0.035	**0.05**	0.082	**0.11**	0.19
5630	126	Top	10	/	14.23	15.5	0.015	**0.02**	0.036	**0.05**	0.07
5775	155	Front	10	/	12.24	13.5	0.013	**0.02**	0.045	**0.06**	0.13
5775	155	Rear	10	/	12.24	13.5	0.015	**0.02**	0.048	**0.06**	0.00
5775	155	Right	10	/	12.24	13.5	0.006	**0.01**	0.014	**0.02**	-0.17
5775	155	Top	10	/	12.24	13.5	0.002	**0.00**	0.009	**0.01**	0.00
5630	126	Rear	10	B2	12.24	13.5	0.014	**0.02**	0.045	**0.06**	0.00

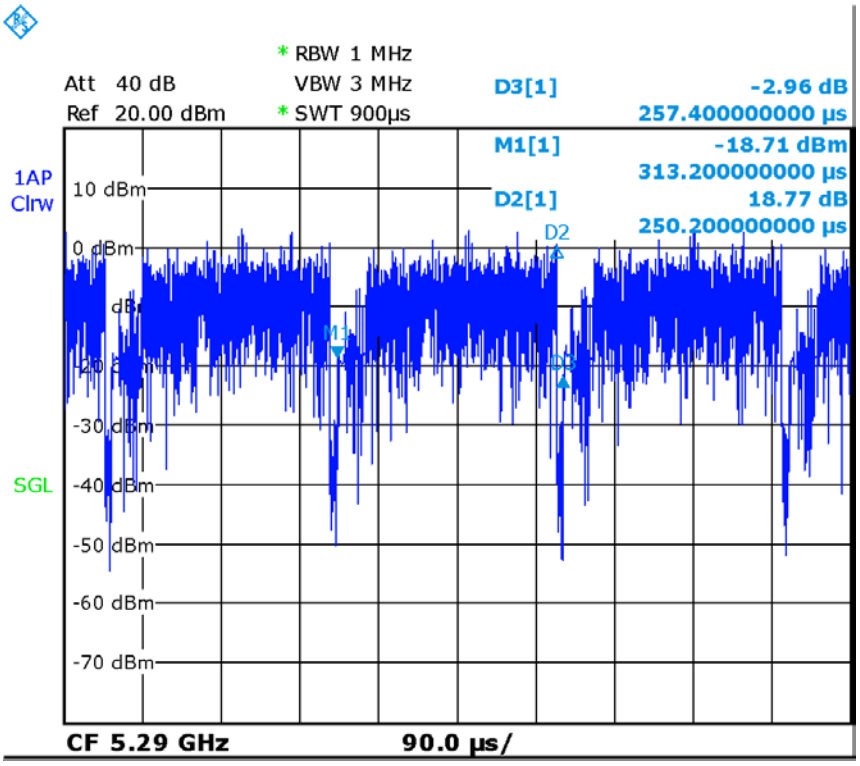
According to the KDB248227 D01, The reported SAR must be scaled to 100% transmission duty factor to determine compliance at the maximum tune-up tolerance limit. The scaled reported SAR is presented as below.

Table 14.5-9: SAR Values (WLAN - Body) – 802.11a 6Mbps (Scaled Reported SAR)

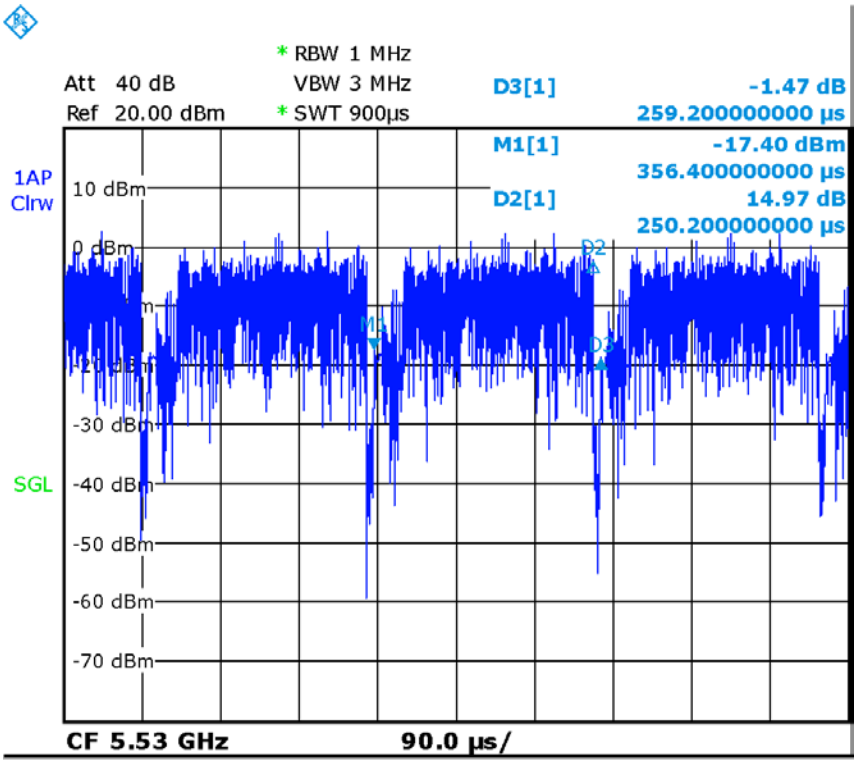
Frequency		Test Position	D (mm)	Actual duty factor	maximum duty factor	Reported SAR(1g)(W/kg)	Scaled reported SAR (1g)(W/kg)
MHz	Ch.						
5270	54	Rear	10	92.63%	100%	**0.16**	**0.17**
5630	126	Rear	10	92.63%	100%	**0.31**	**0.33**
5775	155	Rear	10	96.53%	100%	**0.06**	**0.06**



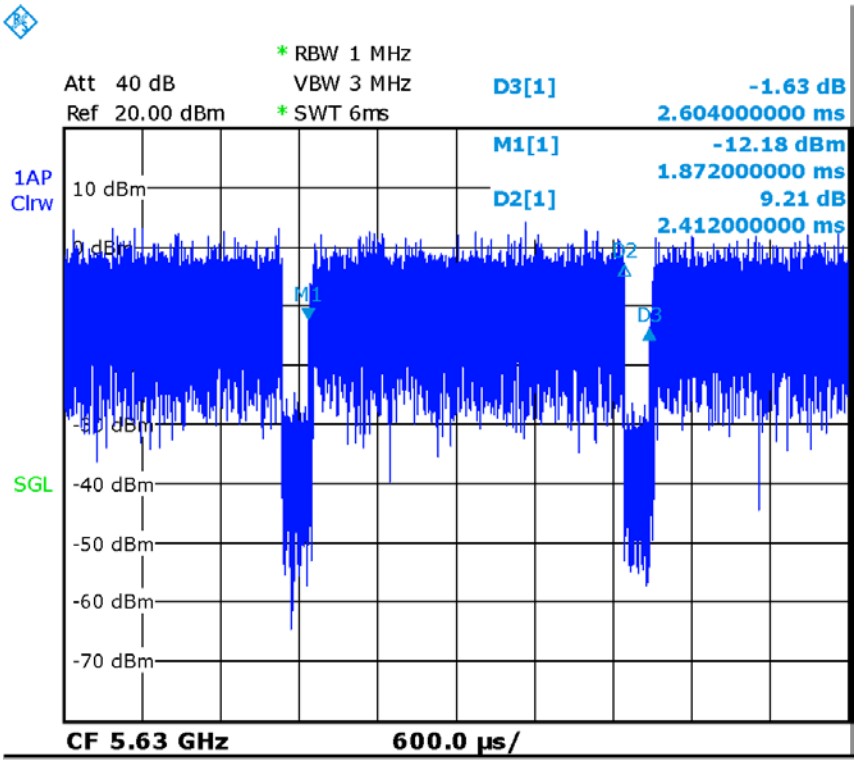
Picture 14.3 Duty factor plot of channel 54



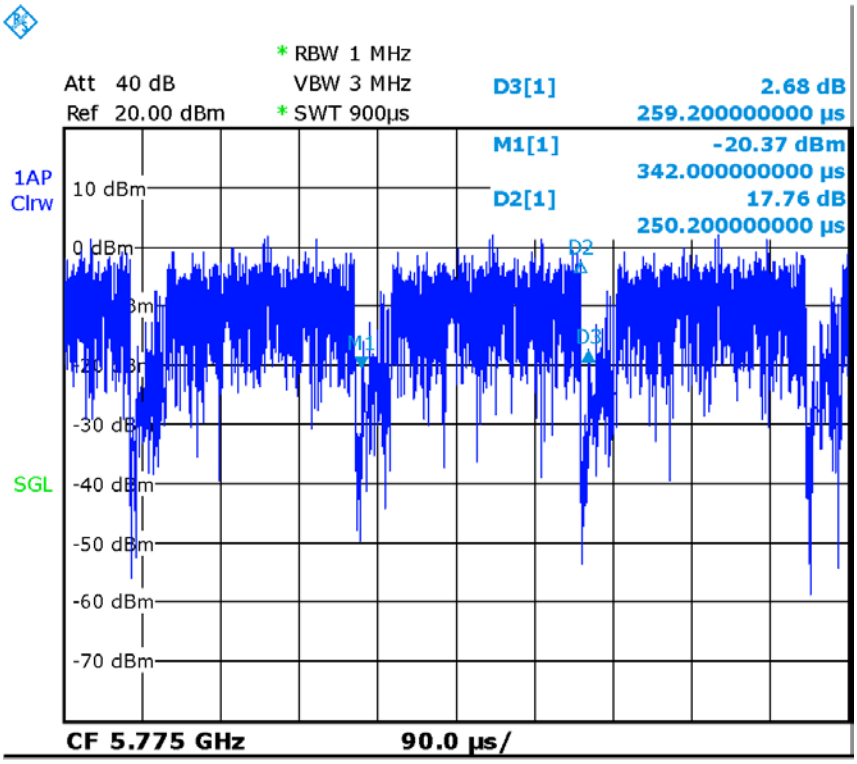
Picture 14.4 Duty factor plot of channel 58



Picture 14.5 Duty factor plot of channel 106



Picture 14.6 Duty factor plot of channel 126



Picture 14.7 Duty factor plot of channel 155

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.

Table 15.1: SAR Measurement Variability for Body GSM1900 (1g)

Frequency		Test Position	Spacing (mm)	Original SAR (W/kg)	First Repeated SAR (W/kg)	The Ratio	Second Repeated SAR (W/kg)
Ch.	MHz						
512	1850.2	Bottom	10	1.26	1.24	1.02	/

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

Frequency		Test Position	Spacing (mm)	Original SAR (W/kg)	First Repeated SAR (W/kg)	The Ratio	Second Repeated SAR (W/kg)
Ch.	MHz						
1637	1732.5	Bottom	10	0.894	0.885	1.01	/

Table 15.3: SAR Measurement Variability for Body LTE B2 (1g)

Frequency		Mode	Test Position	Spacing (mm)	Original SAR (W/kg)	First Repeated SAR (W/kg)	The Ratio	Second Repeated SAR (W/kg)
Ch.	MHz							
18900	1880	1RB_Low	Bottom	10	1.07	1.04	1.03	/

Table 15.4: SAR Measurement Variability for Body LTE B4 (1g)

Frequency		Mode	Test Position	Spacing (mm)	Original SAR (W/kg)	First Repeated SAR (W/kg)	The Ratio	Second Repeated SAR (W/kg)
Ch.	MHz							
20300	1745	1RB_Low	Rear	10	0.813	0.801	1.01	/

Table 15.5: SAR Measurement Variability for Body LTE B7 (1g)

Frequency		Mode	Test Position	Spacing (mm)	Original SAR (W/kg)	First Repeated SAR (W/kg)	The Ratio	Second Repeated SAR (W/kg)
Ch.	MHz							
20850	2510	1RB_High	Front	10	1.10	1.07	1.03	/

Table 15.6: SAR Measurement Variability for Body LTE B25 (1g)

Frequency		Mode	Test Position	Spacing (mm)	Original SAR (W/kg)	First Repeated SAR (W/kg)	The Ratio	Second Repeated SAR (W/kg)
Ch.	MHz							
26365	1882.5	1RB_Low	Bottom	10	1.10	1.09	1.01	/

Table 15.7: SAR Measurement Variability for Body LTE B66 (1g)

Frequency		Mode	Test Position	Spacing (mm)	Original SAR (W/kg)	First Repeated SAR (W/kg)	The Ratio	Second Repeated SAR (W/kg)
Ch.	MHz							
132072	1720	1RB_High	Bottom	10	0.903	0.895	1.01	/

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

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	$\sqrt{3}$	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	4.0	R	$\sqrt{3}$	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	$\sqrt{3}$	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	B	5.0	R	$\sqrt{3}$	0.6	0.49	1.7	1.4	∞

	(target)									
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	∞
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	A	3.4	N	1	1	1	3.4	3.4	5

	uncertainty									
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	

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 13, 2017	One year
02	Power meter	NRVD	102083	September 22,2016	One year
03	Power sensor	NRV-Z5	100595		
04	Signal Generator	E4438C	MY49071430	January 13,2017	One Year
05	Amplifier	60S1G4	0331848	No Calibration Requested	
06	BTS	E5515C	MY50263375	January 16, 2017	One year
07	BTS	CMW500	159890	November 25, 2016	One year
08	E-field Probe	SPEAG EX3DV4	3846	January 13,2017	One year
09	DAE	SPEAG DAE4	1331	January 19, 2017	One year
10	Dipole Validation Kit	SPEAG D750V3	1017	July 20,2016	One year
11	Dipole Validation Kit	SPEAG D835V2	4d069	July 20,2016	One year
12	Dipole Validation Kit	SPEAG D1750V2	1003	July 21,2016	One year
13	Dipole Validation Kit	SPEAG D1900V2	5d101	July 28,2016	One year
14	Dipole Validation Kit	SPEAG D2450V2	853	July 25,2016	One year
15	Dipole Validation Kit	SPEAG D2600V2	1012	July 25,2016	One year
16	Dipole Validation Kit	SPEAG D5GHzV2	1060	July 27,2016	One year

END OF REPORT BODY

ANNEX A Graph Results

850 Right Cheek High

Date: 2017-4-25
Electronics: DAE4 Sn1331
Medium: Head 850 MHz
Medium parameters used (interpolated): f = 848.8 MHz; σ = 0.925 mho/m; εr = 41.08; ρ = 1000 kg/m^3
Ambient Temperature: 22.5°C Liquid Temperature: 22.0°C
Communication System: GSM 850 Frequency: 848.8 MHz Duty Cycle: 1:8.3
Probe: EX3DV4 – SN3846 ConvF(9.33, 9.33, 9.33)

Area Scan (71x121x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 0.222 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 2.610 V/m; Power Drift = -0.05 dB
Peak SAR (extrapolated) = 0.250 W/kg
SAR(1 g) = 0.199 W/kg; SAR(10 g) = 0.154 W/kg
Maximum value of SAR (measured) = 0.216 W/kg

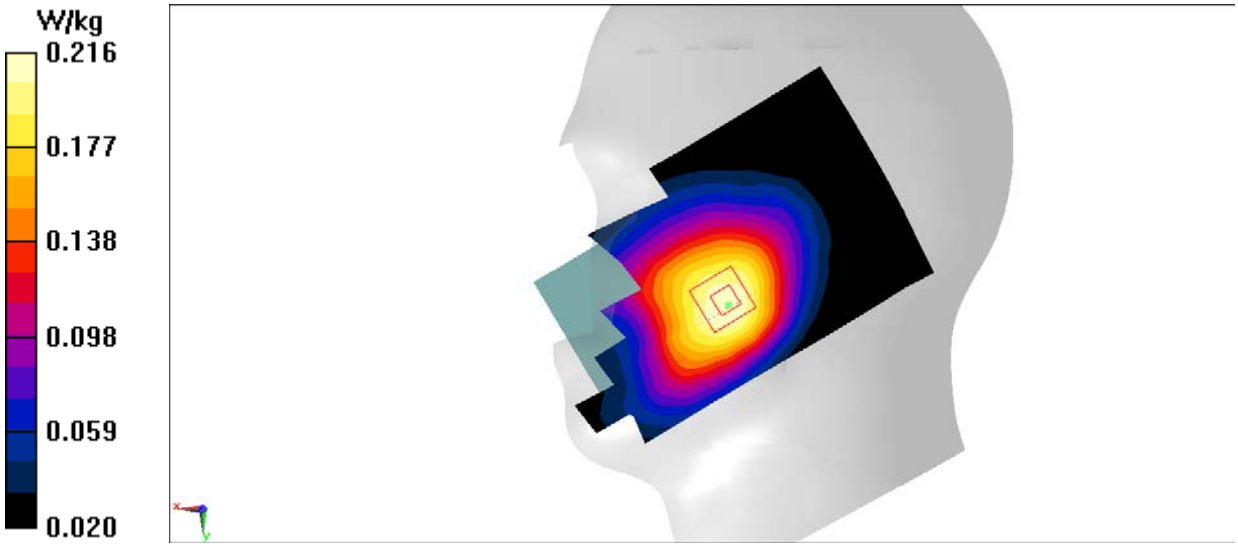


Fig.1 850MHz

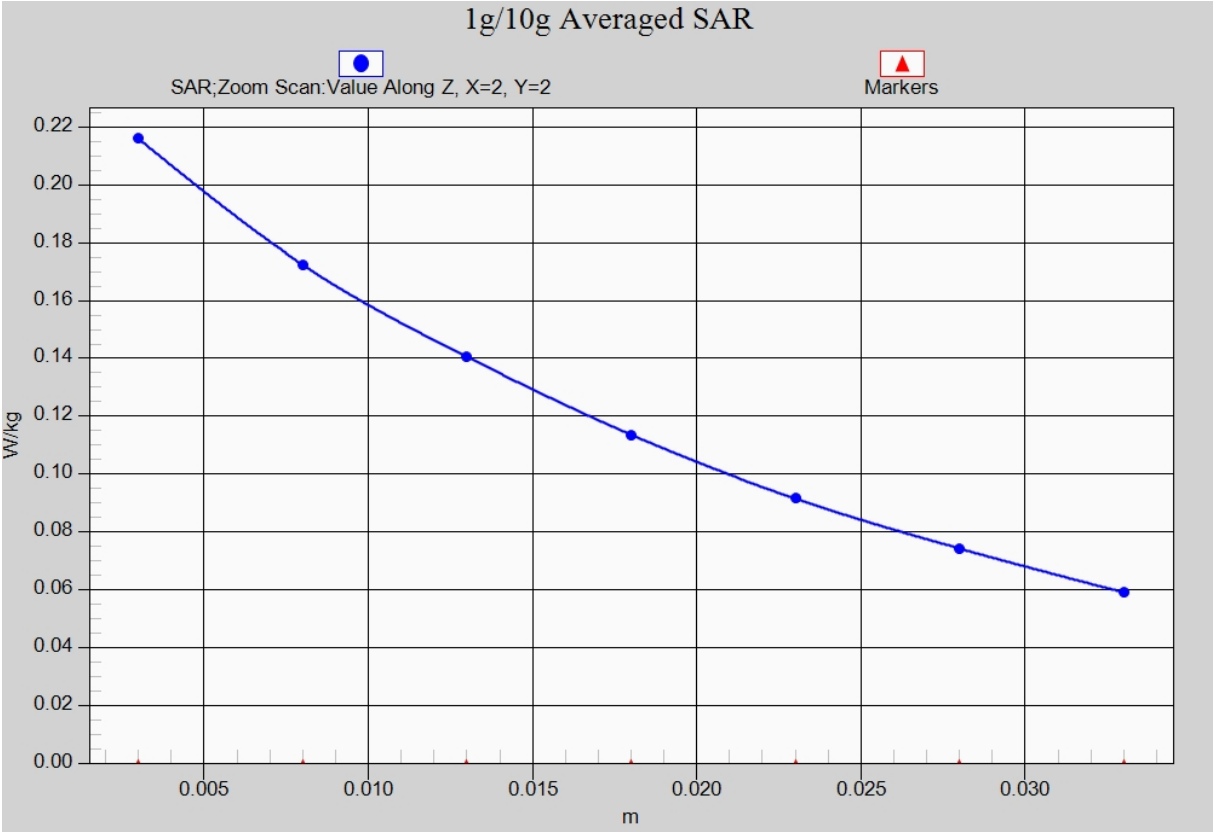


Fig. 1-1 Z-Scan at power reference point (850 MHz)

850 Body Front High

Date: 2017-4-25
Electronics: DAE4 Sn1331
Medium: Body 850 MHz
Medium parameters used (interpolated): f = 848.8 MHz; σ = 0.977 mho/m; εr = 56.19; ρ = 1000 kg/m^3
Ambient Temperature: 22.5°C Liquid Temperature: 22.0°C
Communication System: GSM 850 GPRS Frequency: 848.8 MHz Duty Cycle: 1:4
Probe: EX3DV4 – SN3846 ConvF(9.52, 9.52, 9.52)

Area Scan (121x71x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 0.634 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 13.26 V/m; Power Drift = -0.06 dB
Peak SAR (extrapolated) = 0.902 W/kg
SAR(1 g) = 0.504 W/kg; SAR(10 g) = 0.285 W/kg
Maximum value of SAR (measured) = 0.613 W/kg

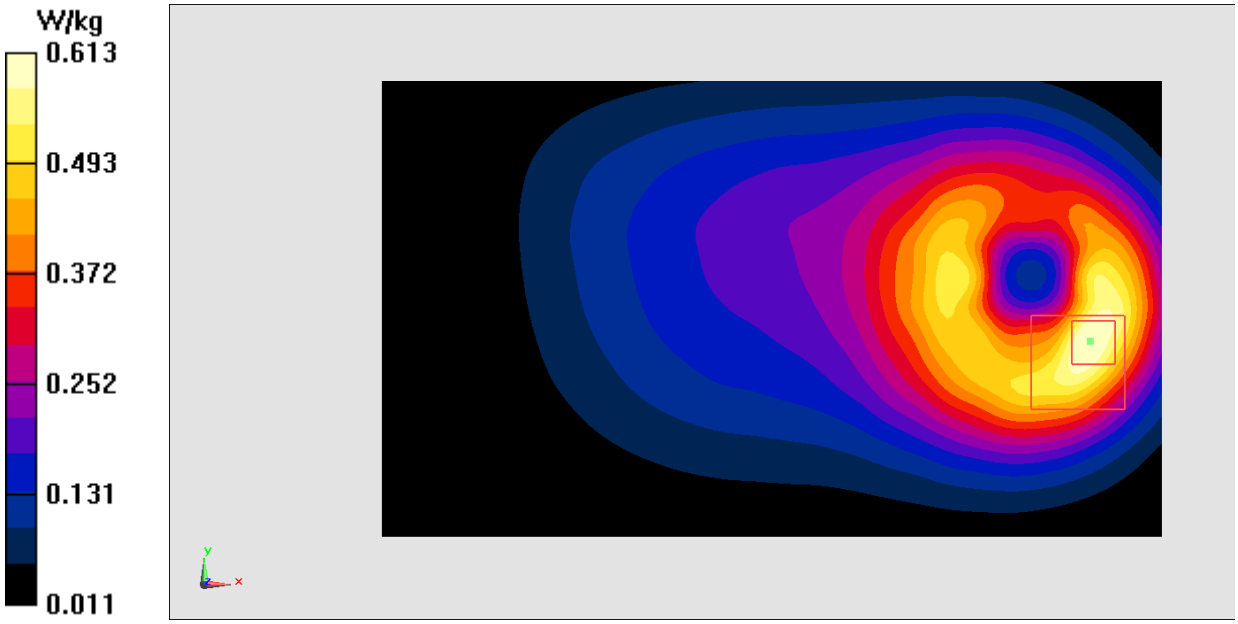


Fig.2 850 MHz

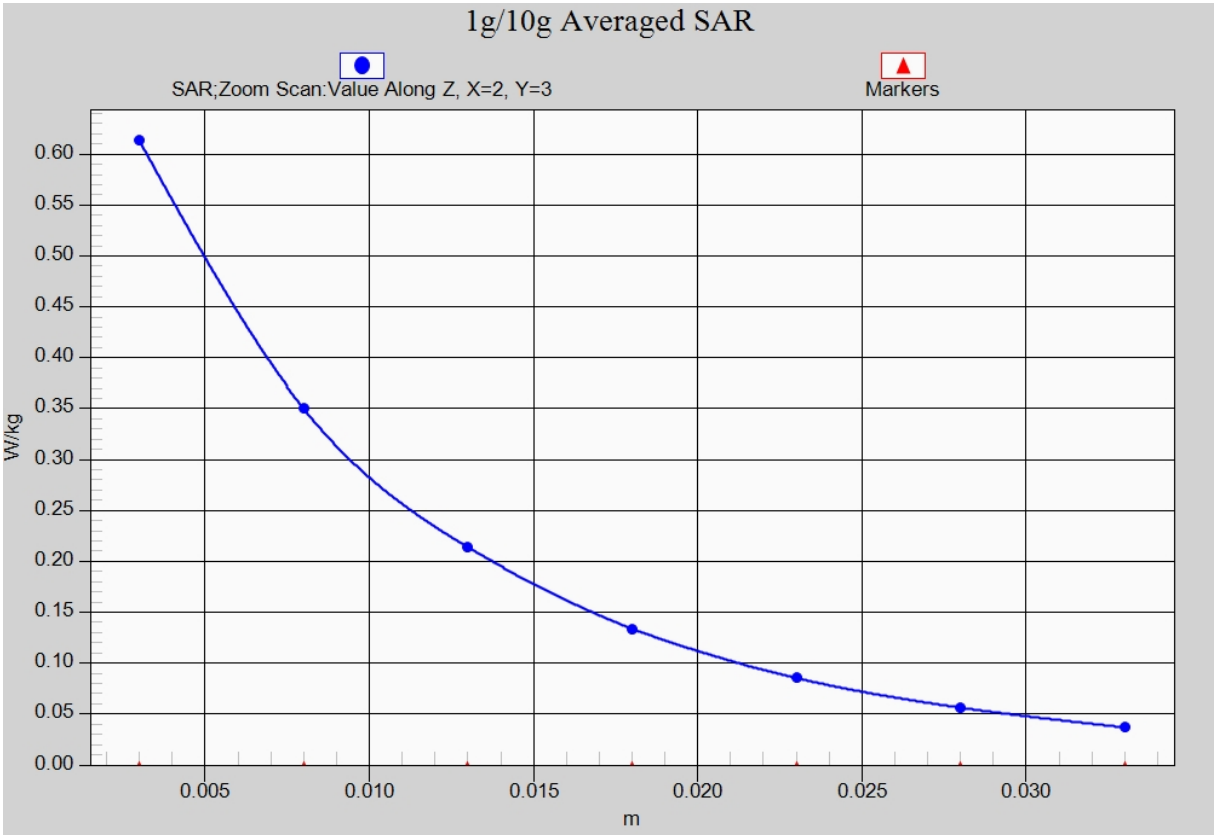


Fig. 2-1 Z-Scan at power reference point (850 MHz)

1900 Left Cheek Low

Date: 2017-4-27
Electronics: DAE4 Sn1331
Medium: Head 1900 MHz
Medium parameters used (interpolated): f = 1850.2 MHz; σ = 1.362 mho/m; εr = 40.36; ρ = 1000 kg/m^3
Ambient Temperature: 22.5°C Liquid Temperature: 22.0°C
Communication System: GSM 1900MHz Frequency: 1850.2 MHz Duty Cycle: 1:8.3
Probe: EX3DV4– SN3846 ConvF(7.89, 7.89, 7.89)

Area Scan (71x121x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 0.129 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 4.385 V/m; Power Drift = 0.01 dB
Peak SAR (extrapolated) = 0.164 W/kg
SAR(1 g) = 0.112 W/kg; SAR(10 g) = 0.072 W/kg
Maximum value of SAR (measured) = 0.130 W/kg

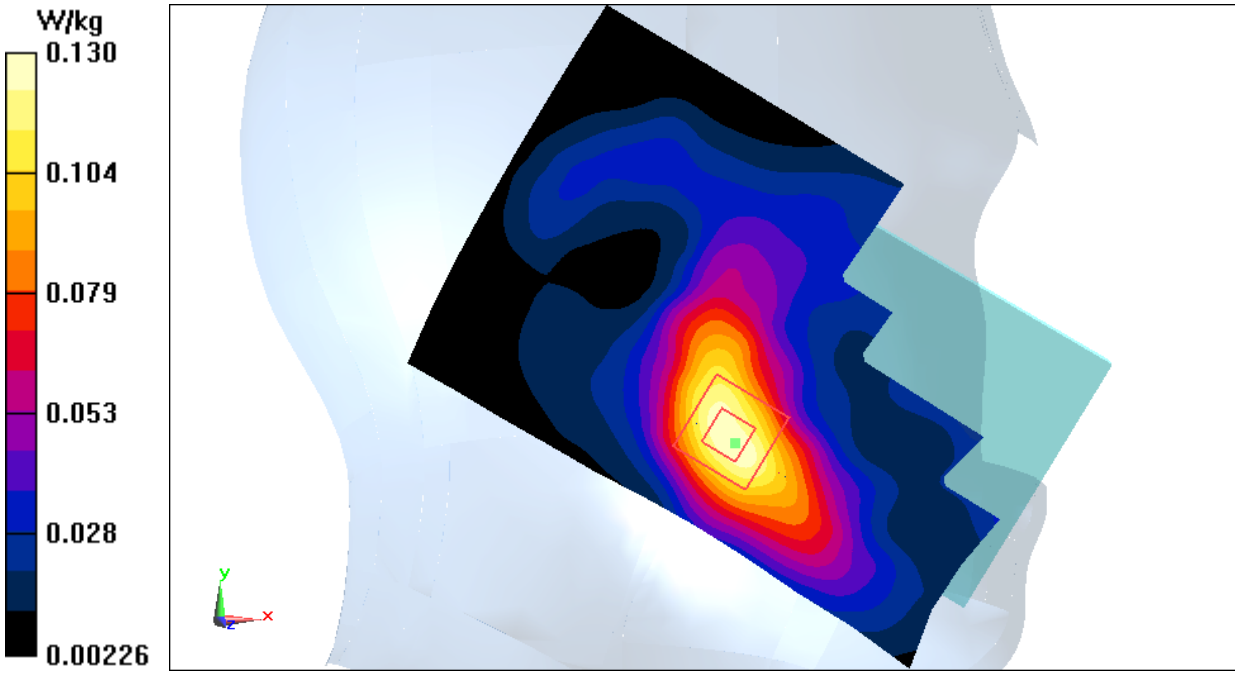


Fig.3 1900 MHz

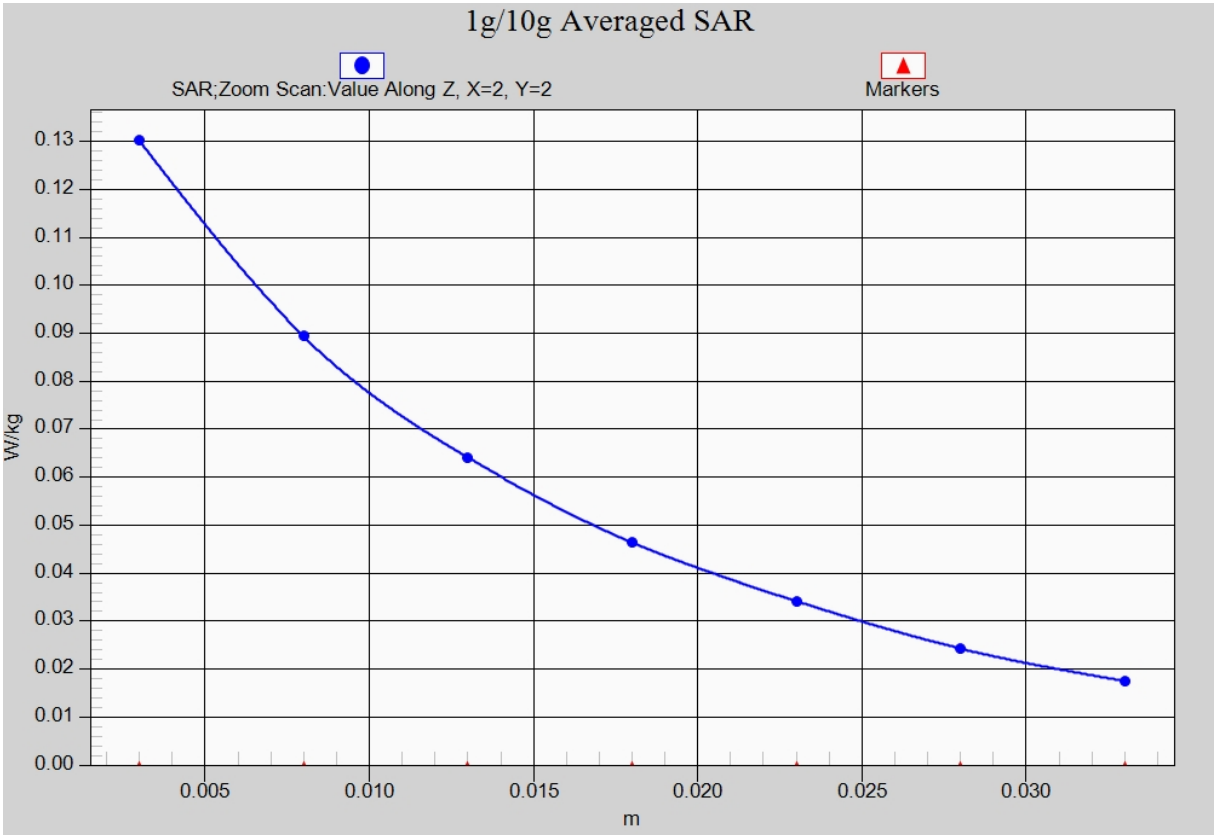


Fig. 3-1 Z-Scan at power reference point (1900 MHz)

1900 Body Front Low – 15mm

Date: 2017-4-27
Electronics: DAE4 Sn1331
Medium: Body 1900 MHz
Medium parameters used (interpolated): f = 1850.2 MHz; σ =1.538 mho/m; εr = 54.17; ρ = 1000 kg/m^3
Ambient Temperature: 22.5°C Liquid Temperature: 22.0°C
Communication System: GSM 1900MHz GPRS Frequency: 1850.2 MHz Duty Cycle: 1:4
Probe: EX3DV4– SN3846 ConvF(7.57, 7.57, 7.57)

Area Scan (121x71x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 0.527 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 5.110 V/m; Power Drift = -0.04 dB
Peak SAR (extrapolated) = 0.729 W/kg
SAR(1 g) = 0.462 W/kg; SAR(10 g) = 0.270 W/kg
Maximum value of SAR (measured) = 0.555 W/kg

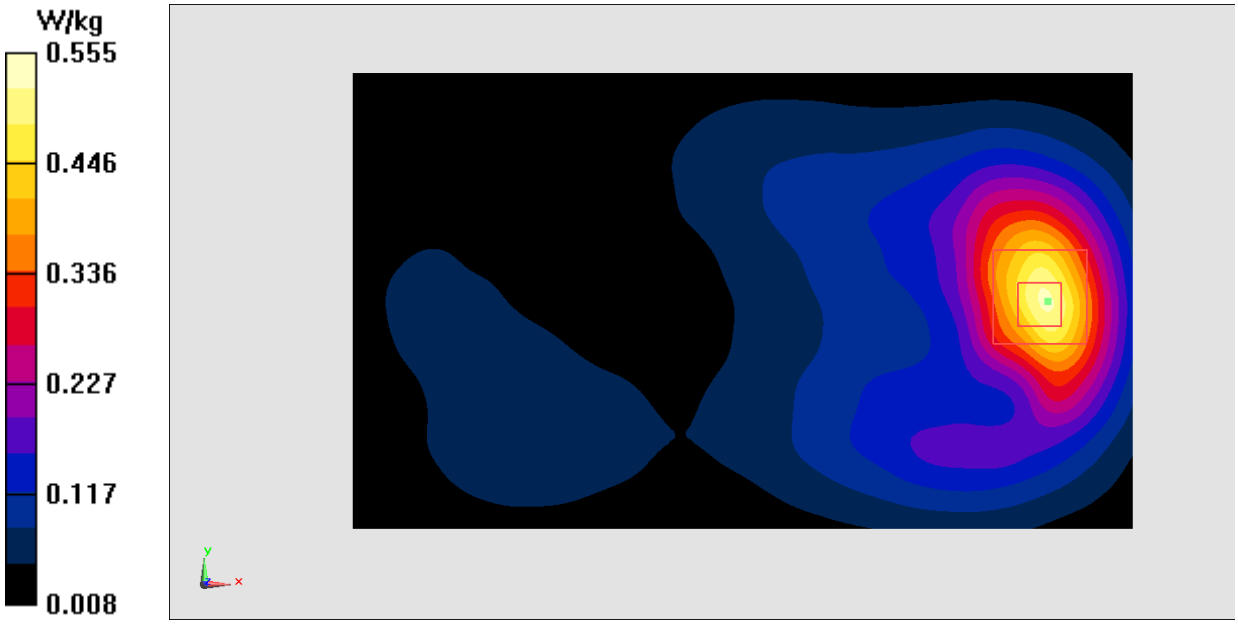


Fig.4 1900 MHz

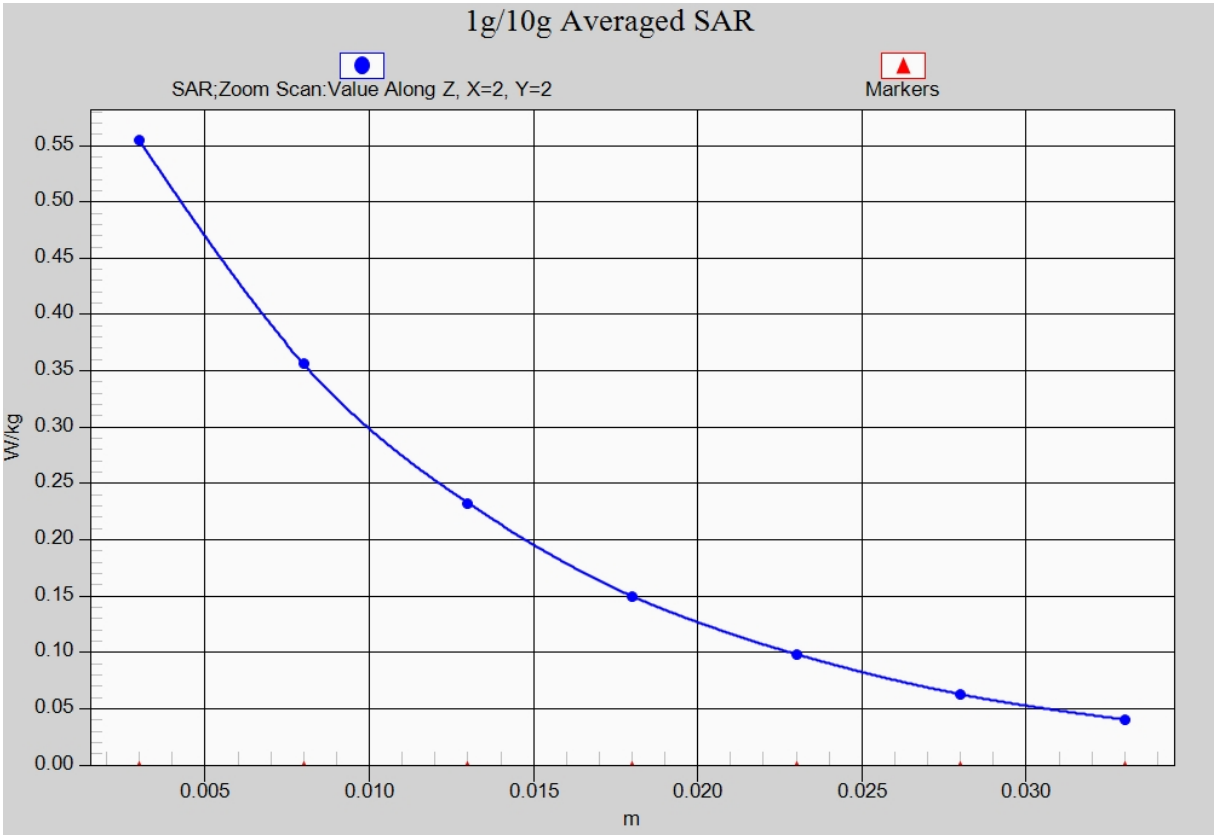


Fig. 4-1 Z-Scan at power reference point (1900 MHz)

1900 Body Bottom Low – 10mm

Date: 2017-4-27
Electronics: DAE4 Sn1331
Medium: Body 1900 MHz
Medium parameters used (interpolated): f = 1850.2 MHz; σ =1.538 mho/m; εr = 54.17; ρ = 1000 kg/m^3
Ambient Temperature: 22.5°C Liquid Temperature: 22.0°C
Communication System: GSM 1900MHz GPRS Frequency: 1850.2 MHz Duty Cycle: 1:2.67
Probe: EX3DV4– SN3846 ConvF(7.57, 7.57, 7.57)

Area Scan (111x61x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 1.51 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 29.73 V/m; Power Drift = 0.11 dB
Peak SAR (extrapolated) = 2.08 W/kg
SAR(1 g) = 1.26 W/kg; SAR(10 g) = 0.693 W/kg
Maximum value of SAR (measured) = 1.54 W/kg

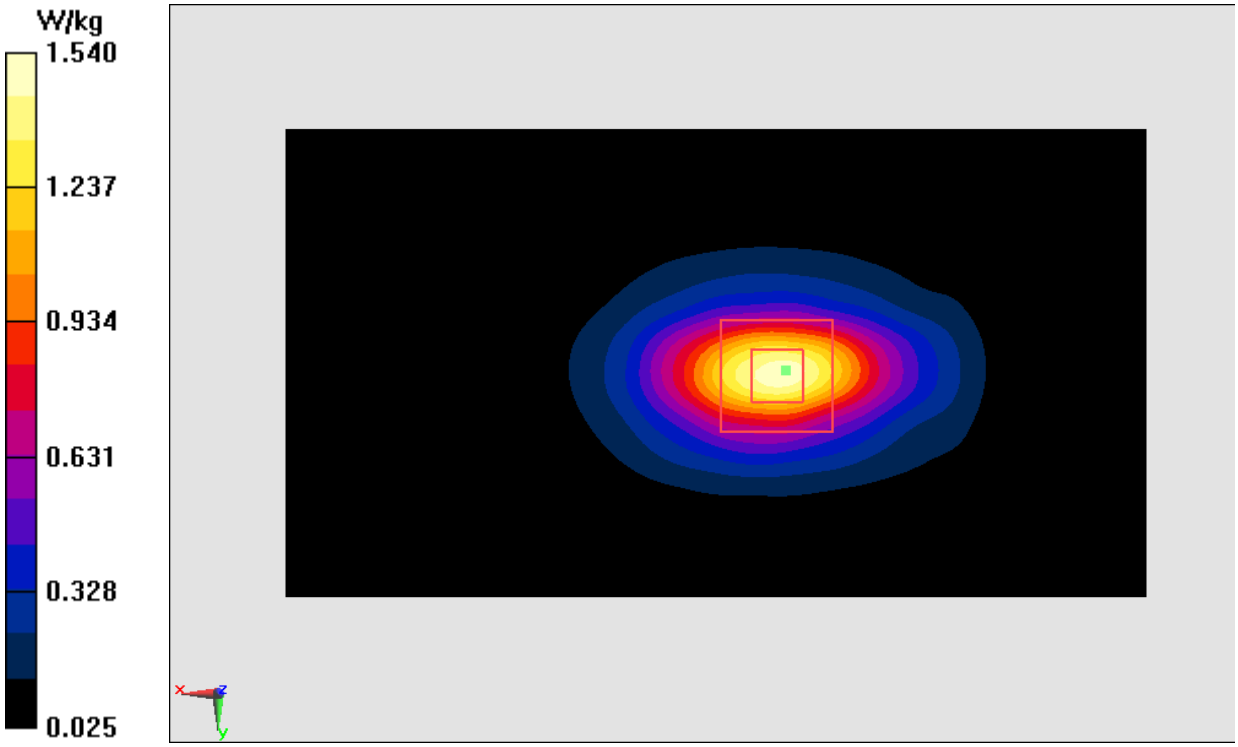


Fig.5 1900 MHz

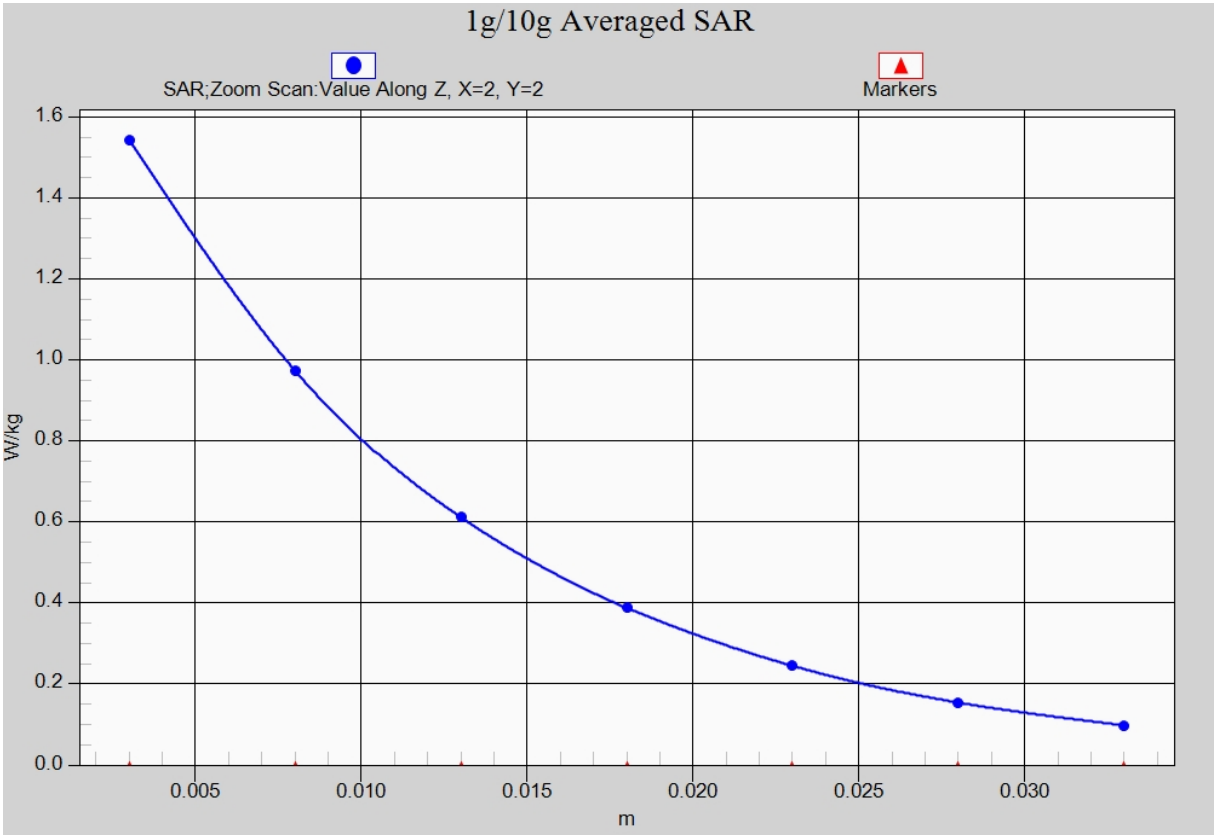


Fig. 5-1 Z-Scan at power reference point (1900 MHz)

WCDMA 850 Right Cheek High

Date: 2017-4-25
Electronics: DAE4 Sn1331
Medium: Head 850 MHz
Medium parameters used (interpolated): f = 846.6 MHz; σ = 0.922 mho/m; εr = 41.085; ρ = 1000 kg/m^3
Ambient Temperature: 22.5°C Liquid Temperature: 22.0°C
Communication System: WCDMA; Frequency: 846.6 MHz; Duty Cycle: 1:1
Probe: EX3DV4 – SN3846 ConvF(9.33, 9.33, 9.33)

Area Scan (71x121x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 0.209 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 2.156 V/m; Power Drift = 0.02 dB
Peak SAR (extrapolated) = 0.235 W/kg
SAR(1 g) = 0.188 W/kg; SAR(10 g) = 0.146 W/kg
Maximum value of SAR (measured) = 0.203 W/kg

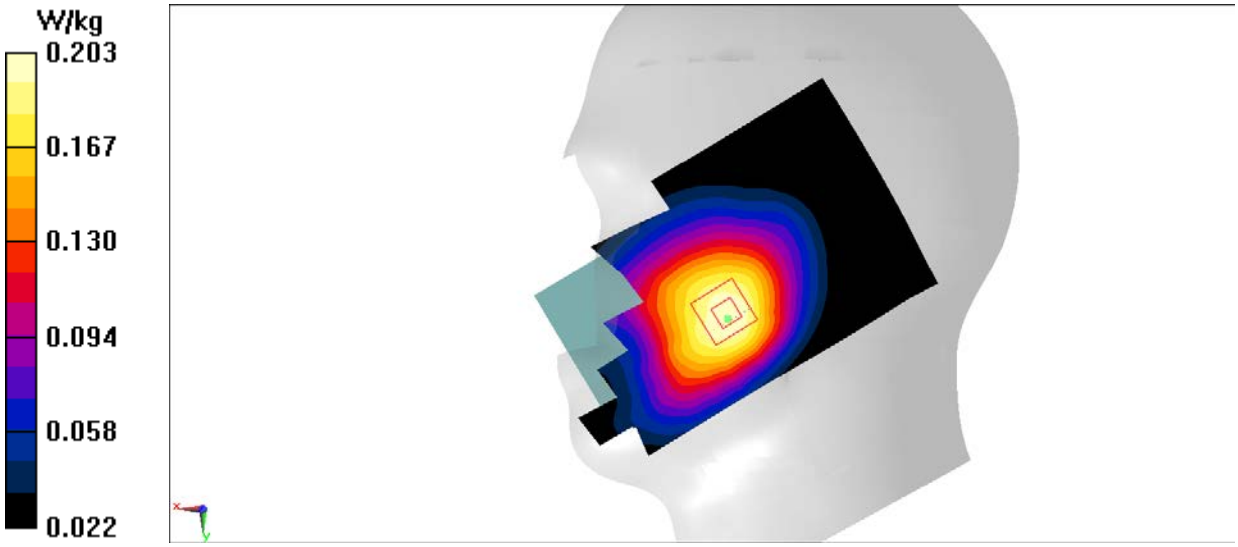


Fig.6 WCDMA 850

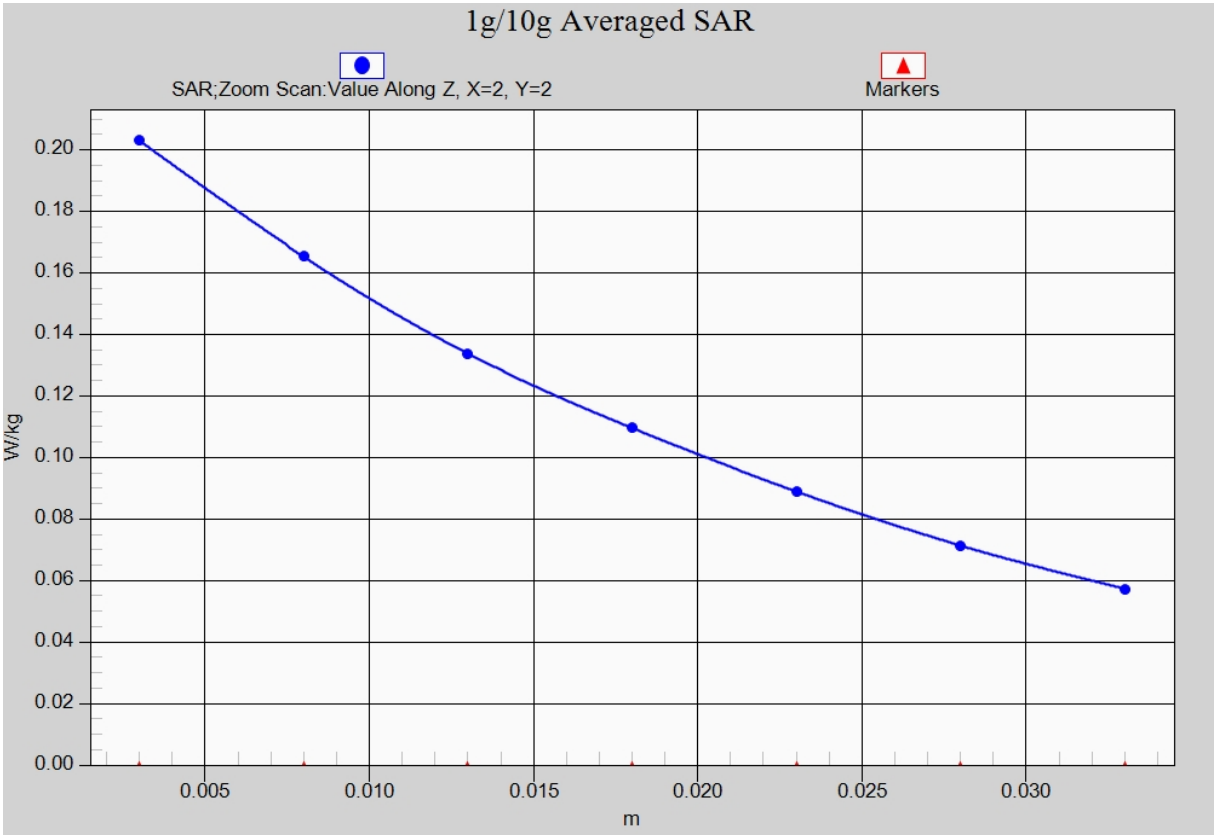


Fig. 6-1 Z-Scan at power reference point (850 MHz)

WCDMA 850 Body Front High

Date: 2017-4-25
Electronics: DAE4 Sn1331
Medium: Body 850 MHz
Medium parameters used (interpolated): f = 846.6 MHz; σ = 0.974 mho/m; εr = 56.196; ρ = 1000 kg/m^3
Ambient Temperature: 22.5°C Liquid Temperature: 22.0°C
Communication System: WCDMA; Frequency: 846.6 MHz; Duty Cycle: 1:1
Probe: EX3DV4 – SN3846 ConvF(9.52, 9.52, 9.52)

Area Scan (121x71x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 0.595 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 12.43 V/m; Power Drift = 0.00 dB
Peak SAR (extrapolated) = 0.846 W/kg
SAR(1 g) = 0.471 W/kg; SAR(10 g) = 0.265 W/kg
Maximum value of SAR (measured) = 0.547 W/kg

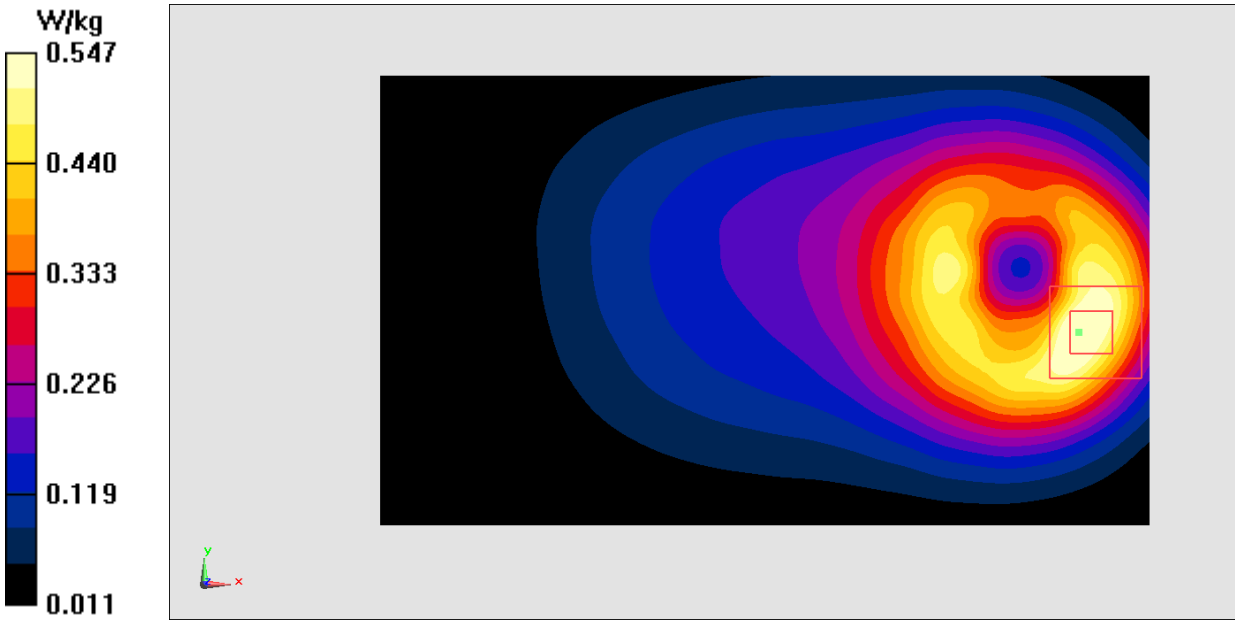


Fig.7 WCDMA 850

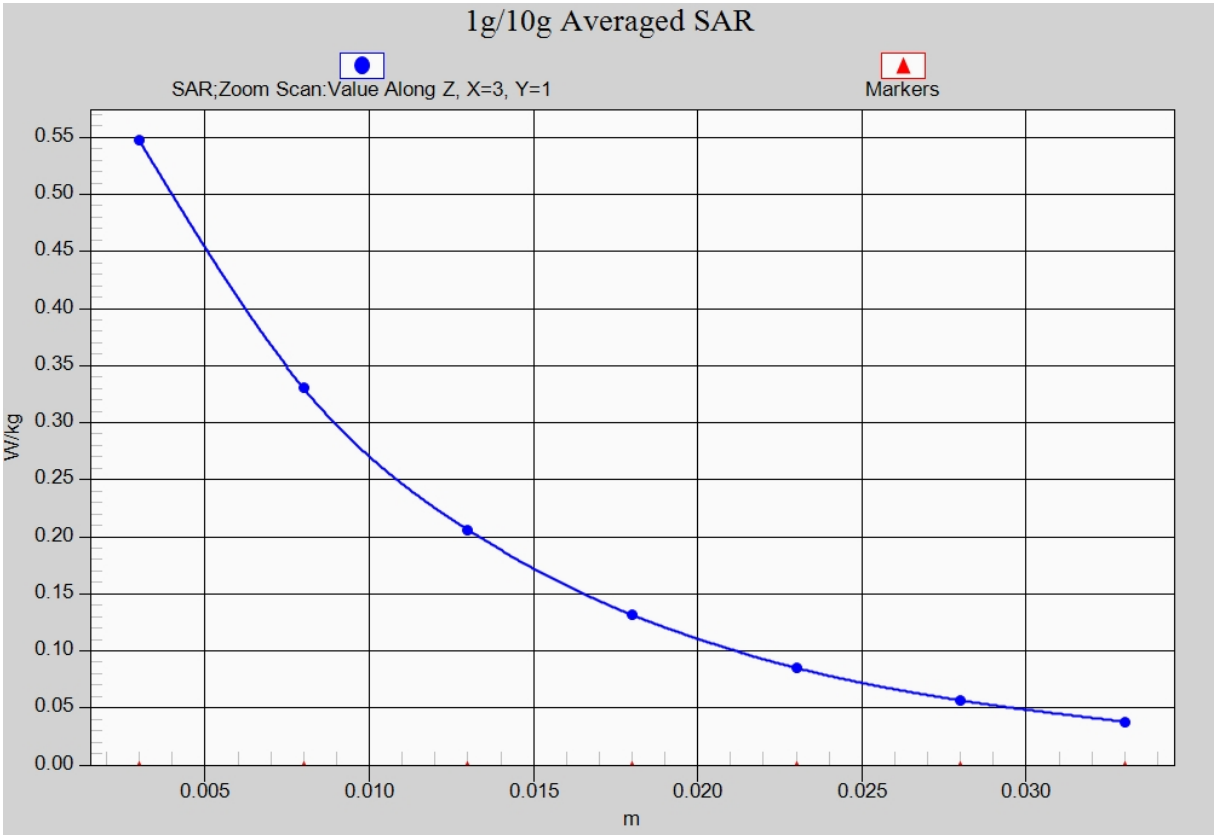


Fig. 7-1 Z-Scan at power reference point (WCDMA850)

WCDMA 1700 Left Cheek Middle

Date: 2017-4-26
Electronics: DAE4 Sn1331
Medium: Head 1750 MHz
Medium parameters used (interpolated): f = 1732.4 MHz; σ = 1.336 mho/m; εr = 39.647; ρ = 1000 kg/m^3
Ambient Temperature: 22.5°C Liquid Temperature: 22.0°C
Communication System: WCDMA 1750 Frequency: 1732.4 MHz Duty Cycle: 1:1
Probe: EX3DV4– SN3846 ConvF(8.16, 8.16, 8.16)

Area Scan (71x121x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 0.259 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 6.839 V/m; Power Drift = 0.06 dB
Peak SAR (extrapolated) = 0.328 W/kg
SAR(1 g) = 0.228 W/kg; SAR(10 g) = 0.149 W/kg
Maximum value of SAR (measured) = 0.265 W/kg

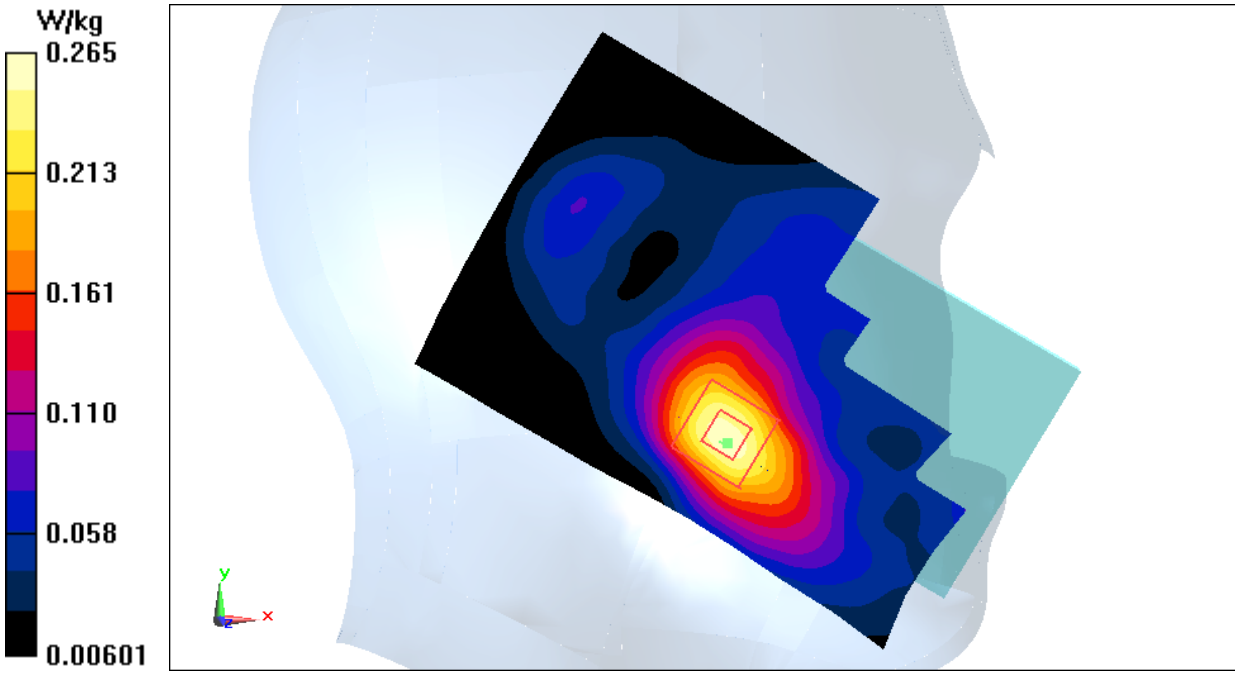


Fig.8 WCDMA1700

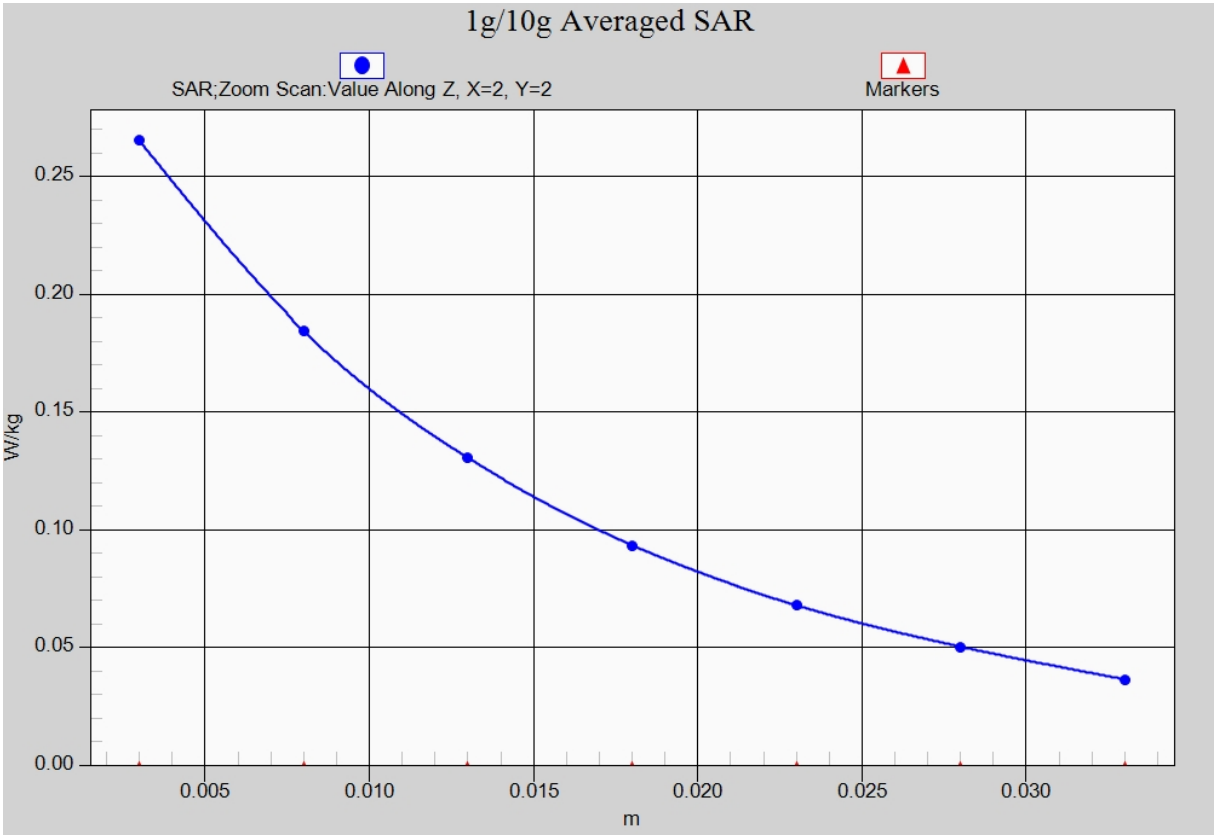


Fig. 8-1 Z-Scan at power reference point (WCDMA1700)

WCDMA 1700 Body Front Middle – 15mm
Date: 2017-4-26
Electronics: DAE4 Sn1331
Medium: Body 1750 MHz
Medium parameters used (interpolated): f = 1732.4 MHz; σ = 1.445 mho/m; εr = 52.778; ρ = 1000 kg/m^3
Ambient Temperature: 22.5°C Liquid Temperature: 22.0°C
Communication System: WCDMA 1900 Frequency: 1732.4 MHz Duty Cycle: 1:1
Probe: EX3DV4– SN3846 ConvF(7.90, 7.90, 7.90)

Area Scan (111x61x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 0.883 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 9.520 V/m; Power Drift = -0.07 dB
Peak SAR (extrapolated) = 1.24 W/kg
SAR(1 g) = 0.778 W/kg; SAR(10 g) = 0.455 W/kg
Maximum value of SAR (measured) = 0.947 W/kg

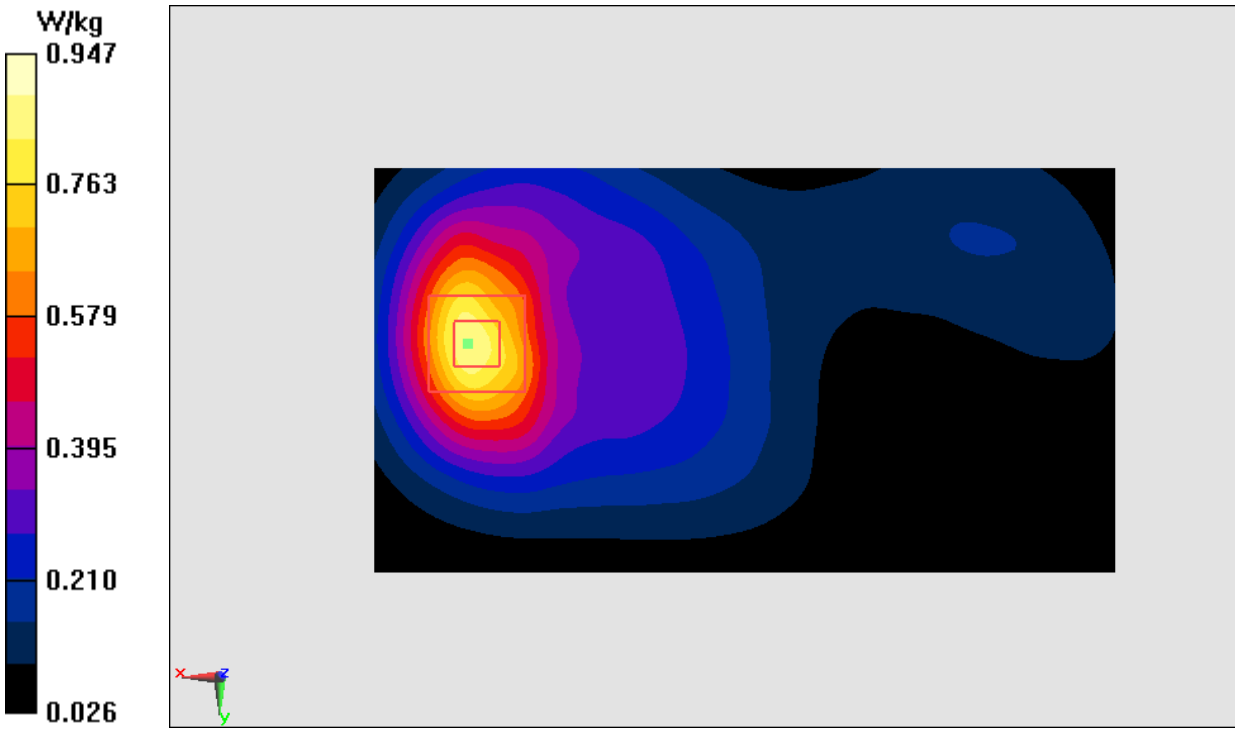


Fig.9 WCDMA1700

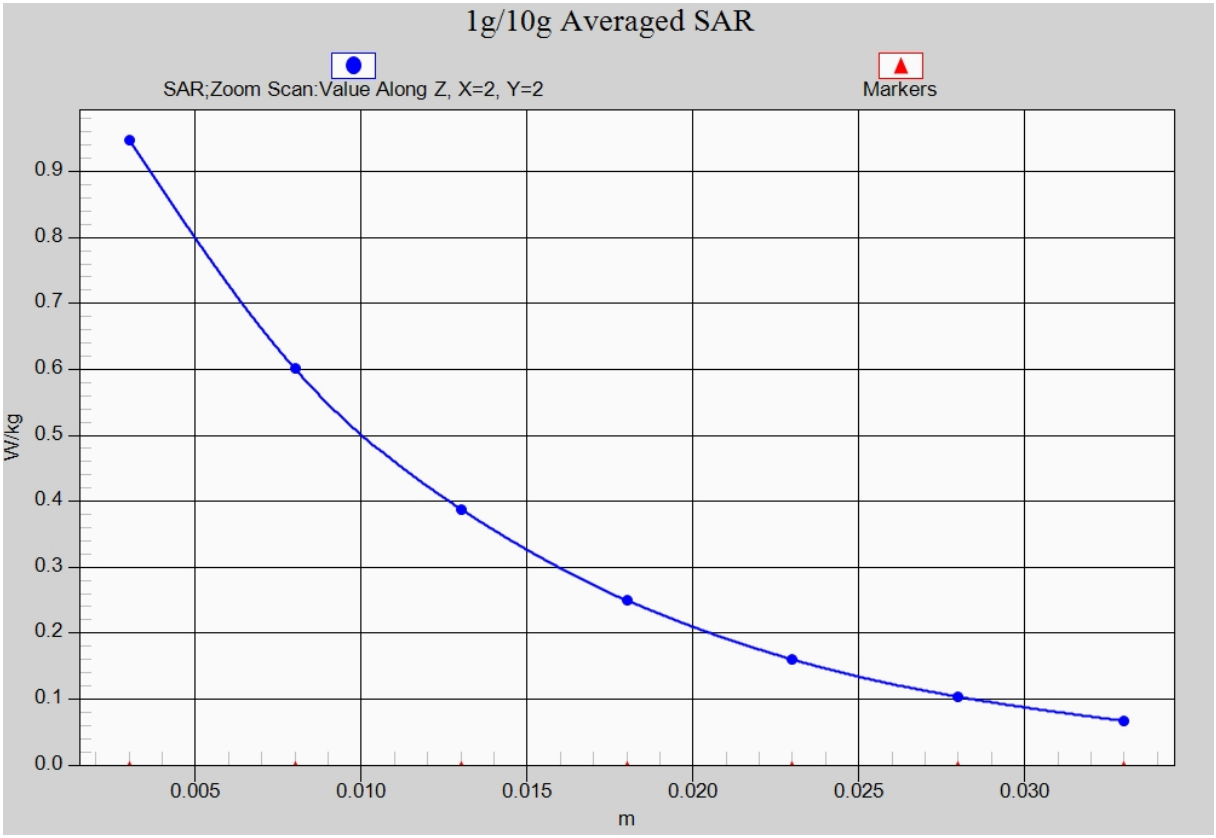


Fig. 9-1 Z-Scan at power reference point (WCDMA1700)