	25RB (0)	1752.5	22.71	24.0	21.79	23.0
		1732.5	22.96	24.0	21.94	23.0
		1712.5	22.48	24.0	21.50	23.0
10 MHz	1RB High (49)	1750	23.41	24.5	22.44	24.0
		1732.5	23.76	24.5	22.82	24.0
		1715	23.39	24.5	22.48	24.0
	1RB Middle (24)	1750	23.71	24.5	22.77	24.0
		1732.5	24.21	24.5	23.33	24.0
		1715	23.60	24.5	22.66	24.0
	1RB Low (0)	1750	23.53	24.5	22.50	24.0
		1732.5	23.79	24.5	22.92	24.0
		1715	23.20	24.5	22.30	24.0
	25RB High (25)	1750	22.64	24.0	21.58	23.0
		1732.5	22.95	24.0	21.96	23.0
		1715	22.57	24.0	21.55	23.0
	25RB Middle (12)	1750	22.71	24.0	21.71	23.0
		1732.5	23.19	24.0	22.19	23.0
		1715	22.60	24.0	21.63	23.0
	25RB Low (0)	1750	22.66	24.0	21.72	23.0
		1732.5	22.93	24.0	21.93	23.0
		1715	22.48	24.0	21.46	23.0
	50RB (0)	1750	22.72	24.0	21.70	23.0
		1732.5	22.93	24.0	21.99	23.0
		1715	22.50	24.0	21.47	23.0
15 MHz	1RB High (74)	1747.5	23.49	24.5	22.46	24.0
		1732.5	23.76	24.5	22.83	24.0
		1717.5	23.78	24.5	22.94	24.0
	1RB Middle (37)	1747.5	23.71	24.5	22.62	24.0
		1732.5	24.16	24.5	23.33	24.0
		1717.5	23.67	24.5	22.82	24.0
	1RB Low (0)	1747.5	23.72	24.5	22.68	24.0
		1732.5	23.80	24.5	22.90	24.0
		1717.5	23.31	24.5	22.54	24.0
	36RB High (38)	1747.5	22.66	24.0	21.67	23.0
		1732.5	22.91	24.0	21.92	23.0
		1717.5	22.96	24.0	21.92	23.0
	36RB Middle (19)	1747.5	22.79	24.0	21.85	23.0
		1732.5	23.22	24.0	22.22	23.0
		1717.5	22.77	24.0	21.77	23.0
	36RB Low (0)	1747.5	22.91	24.0	21.87	23.0
		1732.5	22.90	24.0	21.93	23.0
		1717.5	22.64	24.0	21.60	23.0

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	75RB (0)	1747.5	22.80	24.0	21.77	23.0
		1732.5	22.95	24.0	21.91	23.0
		1717.5	22.72	24.0	21.72	23.0
20 MHz	1RB High (99)	1745	23.41	24.5	22.63	24.0
		1732.5	23.63	24.5	22.72	24.0
		1720	23.73	24.5	22.91	24.0
	1RB Middle (50)	1745	23.99	24.5	22.99	24.0
		1732.5	24.14	24.5	23.33	24.0
		1720	23.79	24.5	22.85	24.0
	1RB Low (0)	1745	23.80	24.5	22.99	24.0
		1732.5	23.68	24.5	22.77	24.0
		1720	23.28	24.5	22.44	24.0
	50RB High (50)	1745	22.73	24.0	21.74	23.0
		1732.5	22.87	24.0	21.92	23.0
		1720	22.75	24.0	21.92	23.0
	50RB Middle (25)	1745	22.86	24.0	21.85	23.0
		1732.5	22.98	24.0	21.95	23.0
		1720	22.77	24.0	21.85	23.0
	50RB Low (0)	1745	22.85	24.0	21.89	23.0
		1732.5	22.95	24.0	21.92	23.0
		1720	22.66	24.0	21.68	23.0
	100RB (0)	1745	22.80	24.0	21.81	23.0
		1732.5	22.87	24.0	21.97	23.0
		1720	22.77	24.0	21.81	23.0

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Band 4

Bandwidth (MHz)	RB allocation / RB offset (Start RB)	Frequency (MHz)	QPSK		16QAM	
			Actual output power (dBm)	Tune up	Actual output power (dBm)	Tune up
1.4 MHz	1RB High (5)	1754.3	20.97	22.0	20.23	21.0
		1732.5	21.27	22.0	20.47	21.0
		1710.7	20.88	22.0	20.11	21.0
	1RB Middle (3)	1754.3	21.13	22.0	20.33	21.0
		1732.5	21.26	22.0	20.40	21.0
		1710.7	21.02	22.0	20.24	21.0
	1RB Low (0)	1754.3	21.06	22.0	20.28	21.0
		1732.5	21.27	22.0	20.49	21.0
		1710.7	20.95	22.0	20.18	21.0
	3RB High (3)	1754.3	20.96	22.0	20.25	21.0
		1732.5	21.30	22.0	20.39	21.0
		1710.7	20.68	22.0	19.85	21.0

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	3RB Middle (1)	1754.3	21.05	22.0	20.38	21.0
		1732.5	21.28	22.0	20.47	21.0
		1710.7	20.74	22.0	19.89	21.0
	3RB Low (0)	1754.3	21.05	22.0	20.34	21.0
		1732.5	21.29	22.0	20.40	21.0
		1710.7	20.69	22.0	19.94	21.0
	6RB (0)	1754.3	20.11	21.5	19.02	20.5
		1732.5	20.44	21.5	19.49	20.5
		1710.7	19.76	21.5	18.80	20.5
3 MHz	1RB High (14)	1753.5	20.76	22.0	19.76	21.0
		1732.5	21.16	22.0	20.39	21.0
		1711.5	20.49	22.0	19.60	21.0
	1RB Middle (7)	1753.5	21.03	22.0	19.98	21.0
		1732.5	21.28	22.0	20.48	21.0
		1711.5	20.80	22.0	19.93	21.0
	1RB Low (0)	1753.5	20.76	22.0	19.77	21.0
		1732.5	21.30	22.0	20.36	21.0
		1711.5	20.57	22.0	19.63	21.0
	8RB High (7)	1753.5	20.02	21.5	18.98	20.5
		1732.5	20.32	21.5	19.34	20.5
		1711.5	19.67	21.5	18.75	20.5
	8RB Middle (4)	1753.5	20.09	21.5	19.07	20.5
		1732.5	20.45	21.5	19.48	20.5
		1711.5	19.76	21.5	18.81	20.5
	8RB Low (0)	1753.5	20.02	21.5	19.05	20.5
		1732.5	20.48	21.5	19.45	20.5
		1711.5	19.72	21.5	18.77	20.5
	15RB (0)	1753.5	19.99	21.5	19.02	20.5
		1732.5	20.39	21.5	19.43	20.5
		1711.5	19.70	21.5	18.78	20.5
5 MHz	1RB High (24)	1752.5	20.63	22.0	19.81	21.0
		1732.5	20.94	22.0	20.06	21.0
		1712.5	20.37	22.0	19.37	21.0
	1RB Middle (12)	1752.5	21.03	22.0	20.25	21.0
		1732.5	21.27	22.0	20.44	21.0
		1712.5	20.81	22.0	19.86	21.0
	1RB Low (0)	1752.5	20.72	22.0	19.90	21.0
		1732.5	21.23	22.0	20.28	21.0
		1712.5	20.51	22.0	19.49	21.0
	12RB High (13)	1752.5	19.99	21.5	19.02	20.5
		1732.5	20.34	21.5	19.42	20.5
		1712.5	19.70	21.5	18.73	20.5

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	12RB Middle (6)	1752.5	20.06	21.5	19.14	20.5
		1732.5	20.43	21.5	19.49	20.5
		1712.5	19.80	21.5	18.89	20.5
	12RB Low (0)	1752.5	19.90	21.5	19.05	20.5
		1732.5	20.49	21.5	19.50	20.5
		1712.5	19.71	21.5	18.79	20.5
	25RB (0)	1752.5	19.97	21.5	18.96	20.5
		1732.5	20.39	21.5	19.33	20.5
		1712.5	19.64	21.5	18.68	20.5
10 MHz	1RB High (49)	1750	20.64	22.0	19.77	21.0
		1732.5	20.98	22.0	19.94	21.0
		1715	20.67	22.0	19.75	21.0
	1RB Middle (24)	1750	21.01	22.0	20.19	21.0
		1732.5	21.55	22.0	20.49	21.0
		1715	20.94	22.0	19.92	21.0
	1RB Low (0)	1750	20.80	22.0	19.93	21.0
		1732.5	21.14	22.0	20.12	21.0
		1715	20.51	22.0	19.46	21.0
	25RB High (25)	1750	19.85	21.5	18.83	20.5
		1732.5	20.27	21.5	19.31	20.5
		1715	19.74	21.5	18.72	20.5
	25RB Middle (12)	1750	19.97	21.5	18.98	20.5
		1732.5	20.43	21.5	19.41	20.5
		1715	19.84	21.5	18.87	20.5
	25RB Low (0)	1750	19.92	21.5	18.91	20.5
		1732.5	20.37	21.5	19.34	20.5
		1715	19.70	21.5	18.74	20.5
	50RB (0)	1750	19.91	21.5	18.95	20.5
		1732.5	20.36	21.5	19.28	20.5
		1715	19.72	21.5	18.68	20.5
15 MHz	1RB High (74)	1747.5	20.77	22.0	19.83	21.0
		1732.5	21.06	22.0	20.14	21.0
		1717.5	21.05	22.0	20.31	21.0
	1RB Middle (37)	1747.5	21.00	22.0	20.18	21.0
		1732.5	21.53	22.0	20.50	21.0
		1717.5	20.99	22.0	20.32	21.0
	1RB Low (0)	1747.5	21.03	22.0	20.12	21.0
		1732.5	21.13	22.0	20.21	21.0
		1717.5	20.60	22.0	19.86	21.0
	36RB High (38)	1747.5	20.02	21.5	18.94	20.5
		1732.5	20.28	21.5	19.29	20.5
		1717.5	20.16	21.5	19.21	20.5

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	36RB Middle (19)	1747.5	20.06	21.5	19.06	20.5
		1732.5	20.46	21.5	19.44	20.5
		1717.5	19.96	21.5	18.98	20.5
	36RB Low (0)	1747.5	20.11	21.5	19.19	20.5
		1732.5	20.35	21.5	19.33	20.5
		1717.5	19.82	21.5	18.89	20.5
	75RB (0)	1747.5	20.03	21.5	19.08	20.5
		1732.5	20.38	21.5	19.37	20.5
		1717.5	19.97	21.5	18.97	20.5
20 MHz	1RB High (99)	1745	20.69	22.0	19.86	21.0
		1732.5	20.93	22.0	19.93	21.0
		1720	21.09	22.0	20.21	21.0
	1RB Middle (50)	1745	21.14	22.0	20.09	21.0
		1732.5	21.54	22.0	20.48	21.0
		1720	21.11	22.0	20.18	21.0
	1RB Low (0)	1745	21.11	22.0	20.17	21.0
		1732.5	21.07	22.0	20.02	21.0
		1720	20.54	22.0	19.50	21.0
	50RB High (50)	1745	19.95	21.5	18.97	20.5
		1732.5	20.15	21.5	19.08	20.5
		1720	20.18	21.5	19.18	20.5
	50RB Middle (25)	1745	20.06	21.5	19.14	20.5
		1732.5	20.43	21.5	19.36	20.5
		1720	20.07	21.5	19.00	20.5
	50RB Low (0)	1745	20.10	21.5	19.11	20.5
		1732.5	20.30	21.5	19.23	20.5
		1720	19.87	21.5	18.85	20.5
	100RB (0)	1745	20.00	21.5	18.97	20.5
		1732.5	20.24	21.5	19.23	20.5
		1720	19.99	21.5	18.98	20.5

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Band 4

Bandwidth (MHz)	RB allocation RB offset (Start RB)	Frequency (MHz)	QPSK		16QAM	
			Actual output power (dBm)	Tune up	Actual output power (dBm)	Tune up
1.4 MHz	1RB High (5)	1754.3	16.08	17.0	14.87	16.5
		1732.5	16.19	17.0	15.12	16.5
		1710.7	15.67	17.0	14.51	16.5
	1RB Middle (3)	1754.3	16.30	17.0	14.96	16.5
		1732.5	16.37	17.0	15.28	16.5
		1710.7	15.79	17.0	14.60	16.5

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	1RB Low (0)	1754.3	16.16	17.0	15.12	16.5
		1732.5	16.29	17.0	15.24	16.5
		1710.7	15.65	17.0	14.55	16.5
	3RB High (3)	1754.3	16.20	17.0	15.17	16.5
		1732.5	16.29	17.0	15.31	16.5
		1710.7	15.61	17.0	14.71	16.5
	3RB Middle (1)	1754.3	16.22	17.0	15.26	16.5
		1732.5	16.33	17.0	15.51	16.5
		1710.7	15.69	17.0	14.83	16.5
	3RB Low (0)	1754.3	16.23	17.0	15.38	16.5
		1732.5	16.29	17.0	15.49	16.5
		1710.7	15.60	17.0	14.89	16.5
	6RB (0)	1754.3	15.10	16.5	14.08	15.5
		1732.5	15.20	16.5	14.08	15.5
		1710.7	14.61	16.5	13.60	15.5
3 MHz	1RB High (14)	1753.5	15.85	17.0	15.12	16.5
		1732.5	15.91	17.0	14.86	16.5
		1711.5	15.45	17.0	14.92	16.5
	1RB Middle (7)	1753.5	16.33	17.0	15.32	16.5
		1732.5	16.33	17.0	15.31	16.5
		1711.5	15.82	17.0	14.96	16.5
	1RB Low (0)	1753.5	15.88	17.0	14.86	16.5
		1732.5	15.99	17.0	15.00	16.5
		1711.5	15.49	17.0	14.76	16.5
	8RB High (7)	1753.5	15.04	16.5	13.98	15.5
		1732.5	15.03	16.5	14.04	15.5
		1711.5	14.70	16.5	13.57	15.5
	8RB Middle (4)	1753.5	15.11	16.5	14.08	15.5
		1732.5	15.20	16.5	14.16	15.5
		1711.5	14.75	16.5	13.61	15.5
	8RB Low (0)	1753.5	15.09	16.5	14.01	15.5
		1732.5	15.20	16.5	14.26	15.5
		1711.5	14.73	16.5	13.60	15.5
	15RB (0)	1753.5	15.01	16.5	13.96	15.5
		1732.5	15.10	16.5	14.11	15.5
		1711.5	14.70	16.5	13.62	15.5
5 MHz	1RB High (24)	1752.5	15.72	17.0	14.90	16.5
		1732.5	15.74	17.0	14.83	16.5
		1712.5	15.42	17.0	14.51	16.5
	1RB Middle (12)	1752.5	16.20	17.0	15.27	16.5
		1732.5	16.37	17.0	15.45	16.5
		1712.5	15.89	17.0	14.93	16.5

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	1RB Low (0)	1752.5	15.76	17.0	15.08	16.5
		1732.5	16.01	17.0	15.17	16.5
		1712.5	15.42	17.0	14.56	16.5
	12RB High (13)	1752.5	15.00	16.5	13.98	15.5
		1732.5	15.04	16.5	14.09	15.5
		1712.5	14.75	16.5	13.64	15.5
	12RB Middle (6)	1752.5	15.14	16.5	14.12	15.5
		1732.5	15.25	16.5	14.21	15.5
		1712.5	14.88	16.5	13.84	15.5
	12RB Low (0)	1752.5	15.06	16.5	14.03	15.5
		1732.5	15.21	16.5	14.30	15.5
		1712.5	14.78	16.5	13.75	15.5
	25RB (0)	1752.5	15.06	16.5	13.99	15.5
		1732.5	15.08	16.5	14.08	15.5
		1712.5	14.79	16.5	13.73	15.5
10 MHz	1RB High (49)	1750	15.68	17.0	14.68	16.5
		1732.5	15.76	17.0	14.70	16.5
		1715	15.84	17.0	15.13	16.5
	1RB Middle (24)	1750	16.12	17.0	15.02	16.5
		1732.5	16.48	17.0	15.44	16.5
		1715	16.13	17.0	15.32	16.5
	1RB Low (0)	1750	15.65	17.0	14.59	16.5
		1732.5	16.11	17.0	15.09	16.5
		1715	15.38	17.0	14.68	16.5
	25RB High (25)	1750	14.84	16.5	13.79	15.5
		1732.5	15.01	16.5	14.02	15.5
		1715	14.94	16.5	13.85	15.5
	25RB Middle (12)	1750	15.02	16.5	13.98	15.5
		1732.5	15.19	16.5	14.13	15.5
		1715	14.98	16.5	13.95	15.5
	25RB Low (0)	1750	14.91	16.5	13.86	15.5
		1732.5	15.13	16.5	14.13	15.5
		1715	14.83	16.5	13.74	15.5
	50RB (0)	1750	14.94	16.5	13.91	15.5
		1732.5	15.06	16.5	14.05	15.5
		1715	14.85	16.5	13.73	15.5
15 MHz	1RB High (74)	1747.5	15.88	17.0	15.06	16.5
		1732.5	15.75	17.0	14.92	16.5
		1717.5	16.14	17.0	15.19	16.5
	1RB Middle (37)	1747.5	16.09	17.0	15.17	16.5
		1732.5	16.35	17.0	15.51	16.5
		1717.5	16.36	17.0	15.38	16.5

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	1RB Low (0)	1747.5	15.75	17.0	14.92	16.5
		1732.5	16.11	17.0	15.25	16.5
		1717.5	15.50	17.0	14.79	16.5
	36RB High (38)	1747.5	14.92	16.5	13.84	15.5
		1732.5	14.97	16.5	13.91	15.5
		1717.5	15.38	16.5	14.30	15.5
	36RB Middle (19)	1747.5	14.99	16.5	13.92	15.5
		1732.5	15.21	16.5	13.95	15.5
		1717.5	15.19	16.5	14.10	15.5
	36RB Low (0)	1747.5	14.94	16.5	13.85	15.5
		1732.5	15.30	16.5	14.26	15.5
		1717.5	14.98	16.5	13.89	15.5
	75RB (0)	1747.5	15.01	16.5	13.89	15.5
		1732.5	15.19	16.5	14.16	15.5
		1717.5	15.10	16.5	13.98	15.5
20 MHz	1RB High (99)	1745	15.80	17.0	15.03	16.5
		1732.5	15.62	17.0	14.62	16.5
		1720	15.93	17.0	15.24	16.5
	1RB Middle (50)	1745	16.07	17.0	15.26	16.5
		1732.5	16.37	17.0	15.53	16.5
		1720	16.46	17.0	15.59	16.5
	1RB Low (0)	1745	15.86	17.0	14.97	16.5
		1732.5	16.13	17.0	15.02	16.5
		1720	15.48	17.0	14.73	16.5
	50RB High (50)	1745	15.01	16.5	13.91	15.5
		1732.5	14.90	16.5	13.76	15.5
		1720	15.20	16.5	14.23	15.5
	50RB Middle (25)	1745	14.98	16.5	13.82	15.5
		1732.5	15.23	16.5	14.21	15.5
		1720	15.24	16.5	14.18	15.5
	50RB Low (0)	1745	14.77	16.5	13.69	15.5
		1732.5	15.25	16.5	14.20	15.5
		1720	15.03	16.5	13.84	15.5
	100RB (0)	1745	14.91	16.5	13.82	15.5
		1732.5	15.02	16.5	14.04	15.5
		1720	15.11	16.5	14.01	15.5

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State2-1						
Band 7						
Bandwidth (MHz)	RB allocation RB offset (Start RB)	Frequency (MHz)	QPSK		16QAM	
			Actual output power (dBm)	Tune up	Actual output power (dBm)	Tune up
5 MHz	1RB High (24)	2567.5	23.62	24.5	22.76	23.5
		2535	23.52	24.5	22.58	23.5
		2502.5	23.42	24.5	22.46	23.5
	1RB Middle (12)	2567.5	23.93	24.5	22.99	23.5
		2535	23.91	24.5	22.96	23.5
		2502.5	23.79	24.5	22.86	23.5
	1RB Low (0)	2567.5	23.74	24.5	22.83	23.5
		2535	23.79	24.5	22.83	23.5
		2502.5	23.68	24.5	22.65	23.5
	12RB High (13)	2567.5	22.89	23.5	21.99	22.5
		2535	22.86	23.5	21.90	22.5
		2502.5	22.66	23.5	21.72	22.5
	12RB Middle (6)	2567.5	22.95	23.5	21.91	22.5
		2535	22.91	23.5	21.95	22.5
		2502.5	22.79	23.5	21.85	22.5
	12RB Low (0)	2567.5	22.95	23.5	22.00	22.5
		2535	22.94	23.5	21.99	22.5
		2502.5	22.75	23.5	21.81	22.5
	25RB (0)	2567.5	22.93	23.5	21.95	22.5
		2535	22.91	23.5	21.95	22.5
		2502.5	22.68	23.5	21.66	22.5
10 MHz	1RB High (49)	2565	23.67	24.5	22.57	23.5
		2535	23.49	24.5	22.60	23.5
		2505	23.50	24.5	22.47	23.5
	1RB Middle (24)	2565	23.93	24.5	22.94	23.5
		2535	23.96	24.5	22.93	23.5
		2505	23.89	24.5	23.00	23.5
	1RB Low (0)	2565	23.73	24.5	22.64	23.5
		2535	23.70	24.5	22.82	23.5
		2505	23.54	24.5	22.60	23.5
	25RB High (25)	2565	22.90	23.5	21.98	22.5
		2535	22.80	23.5	21.81	22.5
		2505	22.71	23.5	21.68	22.5
	25RB Middle (12)	2565	22.98	23.5	21.99	22.5
		2535	22.87	23.5	21.89	22.5
		2505	22.77	23.5	21.81	22.5

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	25RB Low (0)	2565	22.86	23.5	21.99	22.5
		2535	22.91	23.5	21.96	22.5
		2505	22.69	23.5	21.74	22.5
	50RB (0)	2565	22.94	23.5	22.00	22.5
		2535	22.85	23.5	21.87	22.5
		2505	22.69	23.5	21.72	22.5
15 MHz	1RB High (75)	2562.5	23.50	24.5	22.38	23.5
		2535	23.36	24.5	22.47	23.5
		2507.5	23.30	24.5	22.25	23.5
	1RB Middle (38)	2562.5	23.96	24.5	22.76	23.5
		2535	23.93	24.5	22.96	23.5
		2507.5	23.86	24.5	22.87	23.5
	1RB Low (0)	2562.5	23.32	24.5	22.20	23.5
		2535	23.46	24.5	22.66	23.5
		2507.5	23.38	24.5	22.32	23.5
	36RB High (38)	2562.5	22.83	23.5	21.94	22.5
		2535	22.72	23.5	21.79	22.5
		2507.5	22.68	23.5	21.70	22.5
	36RB Middle (19)	2562.5	22.96	23.5	22.00	22.5
		2535	22.93	23.5	21.97	22.5
		2507.5	22.72	23.5	21.82	22.5
	36RB Low (0)	2562.5	22.74	23.5	21.84	22.5
		2535	22.84	23.5	21.88	22.5
		2507.5	22.64	23.5	21.77	22.5
	75RB (0)	2562.5	22.84	23.5	21.93	22.5
		2535	22.78	23.5	21.84	22.5
		2507.5	22.62	23.5	21.71	22.5
20 MHz	1RB High (99)	2560	23.71	24.5	22.73	23.5
		2535	23.56	24.5	22.59	23.5
		2510	23.59	24.5	22.77	23.5
	1RB Middle (50)	2560	24.00	24.5	22.99	23.5
		2535	23.95	24.5	22.91	23.5
		2510	23.84	24.5	22.92	23.5
	1RB Low (0)	2560	23.47	24.5	22.46	23.5
		2535	23.66	24.5	22.72	23.5
		2510	23.60	24.5	22.70	23.5
	50RB High (50)	2560	22.84	23.5	21.99	22.5
		2535	22.68	23.5	21.78	22.5
		2510	22.67	23.5	21.71	22.5
	50RB Middle (25)	2560	22.84	23.5	22.00	22.5
		2535	22.90	23.5	21.98	22.5
		2510	22.73	23.5	21.72	22.5

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	50RB Low (0)	2560	22.85	23.5	21.87	22.5
		2535	22.96	23.5	22.00	22.5
		2510	22.74	23.5	21.69	22.5
	100RB (0)	2560	22.90	23.5	21.98	22.5
		2535	22.83	23.5	21.88	22.5
		2510	22.72	23.5	21.70	22.5
State2-2/5/6						
Band 7						
Bandwidth (MHz)	RB allocation RB offset (Start RB)	Frequency (MHz)	QPSK		16QAM	
			Actual output power (dBm)	Tune up	Actual output power (dBm)	Tune up
5 MHz	1RB High (24)	2567.5	17.77	18.5	16.67	17.5
		2535	17.60	18.5	16.53	17.5
		2502.5	17.60	18.5	16.48	17.5
	1RB Middle (12)	2567.5	18.23	18.5	16.96	17.5
		2535	17.98	18.5	16.96	17.5
		2502.5	17.99	18.5	16.90	17.5
	1RB Low (0)	2567.5	17.94	18.5	16.91	17.5
		2535	17.90	18.5	16.87	17.5
		2502.5	17.77	18.5	16.63	17.5
	12RB High (13)	2567.5	16.99	17.5	15.83	16.5
		2535	16.98	17.5	15.76	16.5
		2502.5	16.88	17.5	15.66	16.5
	12RB Middle (6)	2567.5	16.97	17.5	15.95	16.5
		2535	16.91	17.5	15.95	16.5
		2502.5	16.92	17.5	15.78	16.5
	12RB Low (0)	2567.5	16.95	17.5	15.94	16.5
		2535	16.93	17.5	15.99	16.5
		2502.5	16.97	17.5	15.72	16.5
	25RB (0)	2567.5	16.99	17.5	15.84	16.5
		2535	16.95	17.5	15.79	16.5
		2502.5	16.89	17.5	15.61	16.5
10 MHz	1RB High (49)	2565	17.82	18.5	16.90	17.5
		2535	17.63	18.5	16.50	17.5
		2505	17.62	18.5	16.57	17.5
	1RB Middle (24)	2565	18.22	18.5	17.29	17.5
		2535	18.17	18.5	16.98	17.5
		2505	17.90	18.5	16.99	17.5
	1RB Low (0)	2565	17.89	18.5	16.96	17.5
		2535	17.80	18.5	16.62	17.5
		2505	17.69	18.5	16.67	17.5

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	25RB High (25)	2565	16.99	17.5	15.81	16.5
		2535	16.91	17.5	15.69	16.5
		2505	16.85	17.5	15.54	16.5
	25RB Middle (12)	2565	16.98	17.5	15.82	16.5
		2535	16.98	17.5	15.83	16.5
		2505	16.98	17.5	15.67	16.5
	25RB Low (0)	2565	17.00	17.5	15.77	16.5
		2535	16.97	17.5	15.86	16.5
		2505	16.90	17.5	15.64	16.5
	50RB (0)	2565	16.96	17.5	15.80	16.5
		2535	17.00	17.5	15.76	16.5
		2505	16.90	17.5	15.60	16.5
15 MHz	1RB High (75)	2562.5	17.64	18.5	16.61	17.5
		2535	17.47	18.5	16.56	17.5
		2507.5	17.35	18.5	16.36	17.5
	1RB Middle (38)	2562.5	17.98	18.5	17.24	17.5
		2535	17.98	18.5	17.33	17.5
		2507.5	17.96	18.5	16.96	17.5
	1RB Low (0)	2562.5	17.49	18.5	16.41	17.5
		2535	17.61	18.5	16.72	17.5
		2507.5	17.51	18.5	16.47	17.5
	36RB High (38)	2562.5	16.93	17.5	15.68	16.5
		2535	16.85	17.5	15.62	16.5
		2507.5	16.79	17.5	15.50	16.5
	36RB Middle (19)	2562.5	16.97	17.5	15.81	16.5
		2535	16.95	17.5	15.81	16.5
		2507.5	16.92	17.5	15.59	16.5
	36RB Low (0)	2562.5	16.82	17.5	15.67	16.5
		2535	16.84	17.5	15.73	16.5
		2507.5	16.83	17.5	15.57	16.5
	75RB (0)	2562.5	16.93	17.5	15.70	16.5
		2535	16.91	17.5	15.68	16.5
		2507.5	16.79	17.5	15.48	16.5
20 MHz	1RB High (99)	2560	17.88	18.5	17.00	17.5
		2535	17.67	18.5	16.64	17.5
		2510	17.60	18.5	16.64	17.5
	1RB Middle (50)	2560	18.24	18.5	17.30	17.5
		2535	17.94	18.5	17.32	17.5
		2510	17.98	18.5	16.93	17.5
	1RB Low (0)	2560	17.69	18.5	16.72	17.5
		2535	17.76	18.5	16.79	17.5
		2510	17.71	18.5	16.75	17.5

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	50RB High (50)	2560	16.99	17.5	15.75	16.5
		2535	16.87	17.5	15.67	16.5
		2510	16.82	17.5	15.59	16.5
	50RB Middle (25)	2560	16.96	17.5	15.80	16.5
		2535	16.94	17.5	15.85	16.5
		2510	16.90	17.5	15.59	16.5
	50RB Low (0)	2560	16.87	17.5	15.69	16.5
		2535	16.97	17.5	15.87	16.5
		2510	16.82	17.5	15.52	16.5
	100RB (0)	2560	16.92	17.5	15.77	16.5
		2535	16.99	17.5	15.76	16.5
		2510	16.86	17.5	15.53	16.5
State2-3/4						
Band 7						
Bandwidth (MHz)	RB allocation / RB offset (Start RB)	Frequency (MHz)	QPSK		16QAM	
			Actual output power (dBm)	Tune up	Actual output power (dBm)	Tune up
5 MHz	1RB High (24)	2567.5	14.46	15.5	13.56	14.5
		2535	14.29	15.5	13.26	14.5
		2502.5	14.23	15.5	13.19	14.5
	1RB Middle (12)	2567.5	14.82	15.5	13.97	14.5
		2535	14.78	15.5	13.76	14.5
		2502.5	14.57	15.5	13.55	14.5
	1RB Low (0)	2567.5	14.56	15.5	13.70	14.5
		2535	14.62	15.5	13.57	14.5
		2502.5	14.22	15.5	13.17	14.5
	12RB High (13)	2567.5	13.73	14.5	12.75	13.5
		2535	13.65	14.5	12.59	13.5
		2502.5	13.51	14.5	12.50	13.5
	12RB Middle (6)	2567.5	13.85	14.5	12.89	13.5
		2535	13.89	14.5	12.82	13.5
		2502.5	13.60	14.5	12.60	13.5
	12RB Low (0)	2567.5	13.78	14.5	12.81	13.5
		2535	13.85	14.5	12.80	13.5
		2502.5	13.50	14.5	12.51	13.5
	25RB (0)	2567.5	13.72	14.5	12.72	13.5
		2535	13.68	14.5	12.61	13.5
		2502.5	13.47	14.5	12.45	13.5
10 MHz	1RB High (49)	2565	14.46	15.5	13.52	14.5
		2535	14.37	15.5	13.43	14.5
		2505	14.27	15.5	13.34	14.5

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	1RB Middle (24)	2565	14.72	15.5	13.83	14.5
		2535	14.79	15.5	13.88	14.5
		2505	14.68	15.5	13.75	14.5
	1RB Low (0)	2565	14.36	15.5	13.44	14.5
		2535	14.41	15.5	13.48	14.5
		2505	14.20	15.5	13.26	14.5
	25RB High (25)	2565	13.63	14.5	12.60	13.5
		2535	13.61	14.5	12.52	13.5
		2505	13.49	14.5	12.47	13.5
	25RB Middle (12)	2565	13.67	14.5	12.63	13.5
		2535	13.80	14.5	12.67	13.5
		2505	13.58	14.5	12.54	13.5
	25RB Low (0)	2565	13.63	14.5	12.60	13.5
		2535	13.73	14.5	12.65	13.5
		2505	13.48	14.5	12.43	13.5
	50RB (0)	2565	13.60	14.5	12.55	13.5
		2535	13.63	14.5	12.53	13.5
		2505	13.48	14.5	12.46	13.5
15 MHz	1RB High (75)	2562.5	14.34	15.5	13.22	14.5
		2535	14.14	15.5	13.15	14.5
		2507.5	13.99	15.5	13.04	14.5
	1RB Middle (38)	2562.5	14.72	15.5	13.66	14.5
		2535	14.77	15.5	13.79	14.5
		2507.5	14.63	15.5	13.66	14.5
	1RB Low (0)	2562.5	14.12	15.5	13.04	14.5
		2535	14.10	15.5	13.09	14.5
		2507.5	14.03	15.5	13.05	14.5
	36RB High (38)	2562.5	13.58	14.5	12.52	13.5
		2535	13.57	14.5	12.48	13.5
		2507.5	13.36	14.5	12.28	13.5
	36RB Middle (19)	2562.5	13.57	14.5	12.58	13.5
		2535	13.77	14.5	12.69	13.5
		2507.5	13.54	14.5	12.47	13.5
	36RB Low (0)	2562.5	13.38	14.5	12.35	13.5
		2535	13.59	14.5	12.50	13.5
		2507.5	13.43	14.5	12.42	13.5
	75RB (0)	2562.5	13.44	14.5	12.40	13.5
		2535	13.52	14.5	12.43	13.5
		2507.5	13.37	14.5	12.25	13.5
20 MHz	1RB High (99)	2560	14.56	15.5	13.69	14.5
		2535	14.40	15.5	13.32	14.5
		2510	14.19	15.5	13.44	14.5

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	1RB Middle (50)	2560	14.64	15.5	13.74	14.5
		2535	14.78	15.5	14.00	14.5
		2510	14.55	15.5	13.79	14.5
	1RB Low (0)	2560	14.35	15.5	13.53	14.5
		2535	14.31	15.5	13.25	14.5
		2510	14.24	15.5	13.48	14.5
	50RB High (50)	2560	13.61	14.5	12.56	13.5
		2535	13.63	14.5	12.54	13.5
		2510	13.42	14.5	12.27	13.5
	50RB Middle (25)	2560	13.57	14.5	12.52	13.5
		2535	13.71	14.5	12.62	13.5
		2510	13.55	14.5	12.39	13.5
	50RB Low (0)	2560	13.52	14.5	12.46	13.5
		2535	13.57	14.5	12.47	13.5
		2510	13.48	14.5	12.39	13.5
	100RB (0)	2560	13.55	14.5	12.49	13.5
		2535	13.56	14.5	12.47	13.5
		2510	13.43	14.5	12.29	13.5
State2-1						
Band 38						
Bandwidth (MHz)	RB allocation RB offset (Start RB)	Frequency (MHz)	QPSK		16QAM	
			Actual output power (dBm)	Tune up	Actual output power (dBm)	Tune up
5 MHz	1RB High (24)	2617.5	23.93	25.0	23.29	24.0
		2595	23.97	25.0	23.29	24.0
		2572.5	23.79	25.0	22.96	24.0
	1RB Middle (12)	2617.5	24.42	25.0	23.78	24.0
		2595	24.56	25.0	23.71	24.0
		2572.5	24.18	25.0	23.46	24.0
	1RB Low (0)	2617.5	23.93	25.0	23.48	24.0
		2595	24.29	25.0	23.54	24.0
		2572.5	23.86	25.0	22.99	24.0
	12RB High (13)	2617.5	23.23	24.0	22.29	23.0
		2595	23.35	24.0	22.30	23.0
		2572.5	22.96	24.0	21.87	23.0
	12RB Middle (6)	2617.5	23.34	24.0	22.45	23.0
		2595	23.57	24.0	22.43	23.0
		2572.5	23.20	24.0	21.97	23.0
	12RB Low (0)	2617.5	23.29	24.0	22.41	23.0
		2595	23.44	24.0	22.25	23.0
		2572.5	22.91	24.0	21.99	23.0
	25RB (0)	2617.5	23.25	24.0	21.98	23.0
		2595	23.40	24.0	22.29	23.0

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		2572.5	22.93	24.0	21.78	23.0
10 MHz	1RB High (49)	2615	24.00	25.0	23.22	24.0
		2595	23.99	25.0	23.22	24.0
		2575	23.95	25.0	22.77	24.0
	1RB Middle (24)	2615	24.29	25.0	23.51	24.0
		2595	24.51	25.0	23.69	24.0
		2575	24.33	25.0	23.00	24.0
	1RB Low (0)	2615	23.97	25.0	23.39	24.0
		2595	23.99	25.0	23.27	24.0
		2575	23.89	25.0	22.70	24.0
	25RB High (25)	2615	23.24	24.0	21.96	23.0
		2595	23.42	24.0	22.27	23.0
		2575	22.97	24.0	21.86	23.0
	25RB Middle (12)	2615	23.30	24.0	22.29	23.0
		2595	23.50	24.0	22.41	23.0
		2575	23.22	24.0	21.98	23.0
	25RB Low (0)	2615	23.41	24.0	22.30	23.0
		2595	23.41	24.0	22.18	23.0
		2575	22.99	24.0	21.85	23.0
	50RB (0)	2615	23.49	24.0	22.37	23.0
		2595	23.39	24.0	22.29	23.0
		2575	22.98	24.0	21.95	23.0
15 MHz	1RB High (75)	2612.5	24.00	25.0	22.66	24.0
		2595	23.86	25.0	22.96	24.0
		2577.5	23.76	25.0	22.85	24.0
	1RB Middle (38)	2612.5	24.57	25.0	23.32	24.0
		2595	24.50	25.0	23.69	24.0
		2577.5	24.23	25.0	23.29	24.0
	1RB Low (0)	2612.5	23.97	25.0	22.73	24.0
		2595	23.90	25.0	22.98	24.0
		2577.5	23.63	25.0	22.68	24.0
	36RB High (38)	2612.5	23.20	24.0	22.21	23.0
		2595	23.36	24.0	22.21	23.0
		2577.5	22.99	24.0	21.98	23.0
	36RB Middle (19)	2612.5	23.43	24.0	22.33	23.0
		2595	23.48	24.0	22.40	23.0
		2577.5	23.23	24.0	21.95	23.0
	36RB Low (0)	2612.5	22.93	24.0	21.93	23.0
		2595	23.34	24.0	21.96	23.0
		2577.5	22.98	24.0	21.90	23.0
	75RB (0)	2612.5	23.27	24.0	21.98	23.0
		2595	23.33	24.0	21.96	23.0

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		2577.5	22.99	**24.0**	21.89	**23.0**
20 MHz	1RB High (99)	2610	24.19	**25.0**	23.20	**24.0**
		2595	24.23	**25.0**	22.91	**24.0**
		2580	24.16	**25.0**	22.91	**24.0**
	1RB Middle (50)	2610	24.63	**25.0**	23.65	**24.0**
		2595	24.70	**25.0**	23.61	**24.0**
		2580	24.43	**25.0**	23.25	**24.0**
	1RB Low (0)	2610	24.29	**25.0**	23.30	**24.0**
		2595	24.30	**25.0**	23.18	**24.0**
		2580	24.00	**25.0**	22.80	**24.0**
	50RB High (50)	2610	23.61	**24.0**	22.48	**23.0**
		2595	23.48	**24.0**	22.33	**23.0**
		2580	23.35	**24.0**	21.99	**23.0**
	50RB Middle (25)	2610	23.27	**24.0**	21.95	**23.0**
		2595	23.59	**24.0**	22.40	**23.0**
		2580	23.36	**24.0**	21.98	**23.0**
	50RB Low (0)	2610	23.42	**24.0**	22.30	**23.0**
		2595	23.49	**24.0**	22.26	**23.0**
		2580	23.29	**24.0**	21.94	**23.0**
	100RB (0)	2610	23.48	**24.0**	22.38	**23.0**
		2595	23.50	**24.0**	22.32	**23.0**
		2580	23.32	**24.0**	21.98	**23.0**
State2-2/3/4/6						
Band 38						
Bandwidth (MHz)	RB allocation RB offset (Start RB)	Frequency (MHz)	QPSK		16QAM	
			Actual output power (dBm)	Tune up	Actual output power (dBm)	Tune up
5 MHz	1RB High (24)	2617.5	16.63	**18.0**	16.16	**17.0**
		2595	16.73	**18.0**	16.58	**17.0**
		2572.5	16.38	**18.0**	15.89	**17.0**
	1RB Middle (12)	2617.5	16.91	**18.0**	16.44	**17.0**
		2595	17.05	**18.0**	16.92	**17.0**
		2572.5	16.68	**18.0**	16.20	**17.0**
	1RB Low (0)	2617.5	16.77	**18.0**	16.32	**17.0**
		2595	16.89	**18.0**	16.69	**17.0**
		2572.5	16.44	**18.0**	15.95	**17.0**
	12RB High (13)	2617.5	16.32	**17.0**	15.36	**16.0**
		2595	16.54	**17.0**	15.48	**16.0**
		2572.5	16.07	**17.0**	15.04	**16.0**
	12RB Middle (6)	2617.5	16.38	**17.0**	15.42	**16.0**
		2595	16.59	**17.0**	15.58	**16.0**
		2572.5	16.18	**17.0**	15.16	**16.0**

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	12RB Low (0)	2617.5	16.35	17.0	15.44	16.0
		2595	16.58	17.0	15.57	16.0
		2572.5	16.11	17.0	15.08	16.0
	25RB (0)	2617.5	16.40	17.0	15.38	16.0
		2595	16.59	17.0	15.58	16.0
		2572.5	16.09	17.0	15.09	16.0
10 MHz	1RB High (49)	2615	16.62	18.0	16.03	17.0
		2595	16.52	18.0	16.02	17.0
		2575	16.48	18.0	16.26	17.0
	1RB Middle (24)	2615	16.85	18.0	16.29	17.0
		2595	17.08	18.0	16.59	17.0
		2575	16.73	18.0	16.51	17.0
	1RB Low (0)	2615	16.63	18.0	16.06	17.0
		2595	16.78	18.0	16.22	17.0
		2575	16.31	18.0	16.07	17.0
	25RB High (25)	2615	16.36	17.0	15.26	16.0
		2595	16.53	17.0	15.45	16.0
		2575	16.21	17.0	15.20	16.0
	25RB Middle (12)	2615	16.35	17.0	15.31	16.0
		2595	16.65	17.0	15.58	16.0
		2575	16.24	17.0	15.23	16.0
	25RB Low (0)	2615	16.40	17.0	15.35	16.0
		2595	16.54	17.0	15.52	16.0
		2575	16.14	17.0	15.13	16.0
	50RB (0)	2615	16.59	17.0	15.50	16.0
		2595	16.52	17.0	15.42	16.0
		2575	16.20	17.0	15.17	16.0
15 MHz	1RB High (75)	2612.5	16.52	18.0	15.95	17.0
		2595	16.55	18.0	16.24	17.0
		2577.5	16.55	18.0	16.26	17.0
	1RB Middle (38)	2612.5	17.03	18.0	16.41	17.0
		2595	17.15	18.0	16.86	17.0
		2577.5	16.82	18.0	16.55	17.0
	1RB Low (0)	2612.5	16.53	18.0	15.96	17.0
		2595	16.65	18.0	16.30	17.0
		2577.5	16.16	18.0	15.87	17.0
	36RB High (38)	2612.5	16.21	17.0	15.20	16.0
		2595	16.43	17.0	15.30	16.0
		2577.5	16.30	17.0	15.28	16.0
	36RB Middle (19)	2612.5	16.36	17.0	15.34	16.0
		2595	16.65	17.0	15.52	16.0
		2577.5	16.31	17.0	15.30	16.0

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	36RB Low (0)	2612.5	16.22	17.0	15.14	16.0
		2595	16.48	17.0	15.40	16.0
		2577.5	16.14	17.0	15.12	16.0
	75RB (0)	2612.5	16.30	17.0	15.26	16.0
		2595	16.46	17.0	15.32	16.0
		2577.5	16.20	17.0	15.13	16.0
20 MHz	1RB High (99)	2610	16.76	18.0	16.30	17.0
		2595	16.77	18.0	16.24	17.0
		2580	16.84	18.0	16.13	17.0
	1RB Middle (50)	2610	17.00	18.0	16.51	17.0
		2595	17.30	18.0	16.78	17.0
		2580	17.03	18.0	16.33	17.0
	1RB Low (0)	2610	16.92	18.0	16.47	17.0
		2595	16.94	18.0	16.40	17.0
		2580	16.50	18.0	15.77	17.0
	50RB High (50)	2610	16.69	17.0	15.63	16.0
		2595	16.53	17.0	15.42	16.0
		2580	16.52	17.0	15.48	16.0
	50RB Middle (25)	2610	16.37	17.0	15.30	16.0
		2595	16.69	17.0	15.58	16.0
		2580	16.51	17.0	15.47	16.0
	50RB Low (0)	2610	16.47	17.0	15.40	16.0
		2595	16.60	17.0	15.54	16.0
		2580	16.35	17.0	15.31	16.0
	100RB (0)	2610	16.47	17.0	15.40	16.0
		2595	16.47	17.0	15.41	16.0
		2580	16.42	17.0	15.36	16.0

State2-5

Band 38

Bandwidth (MHz)	RB allocation / RB offset (Start RB)	Frequency (MHz)	QPSK		16QAM	
			Actual output power (dBm)	Tune up	Actual output power (dBm)	Tune up
5 MHz	1RB High (24)	2617.5	17.69	19.0	16.92	18.0
		2595	18.00	19.0	17.27	18.0
		2572.5	17.73	19.0	16.73	18.0
	1RB Middle (12)	2617.5	17.97	19.0	17.54	18.0
		2595	18.39	19.0	17.58	18.0
		2572.5	17.93	19.0	16.96	18.0
	1RB Low (0)	2617.5	17.95	19.0	17.30	18.0
		2595	17.97	19.0	17.33	18.0
		2572.5	17.82	19.0	16.82	18.0

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	12RB High (13)	2617.5	16.97	18.0	15.94	17.0
		2595	17.27	18.0	16.37	17.0
		2572.5	16.83	18.0	15.91	17.0
	12RB Middle (6)	2617.5	16.96	18.0	15.98	17.0
		2595	17.37	18.0	16.47	17.0
		2572.5	16.95	18.0	15.99	17.0
	12RB Low (0)	2617.5	16.91	18.0	16.00	17.0
		2595	17.24	18.0	16.35	17.0
		2572.5	16.88	18.0	15.96	17.0
	25RB (0)	2617.5	16.99	18.0	15.93	17.0
		2595	17.31	18.0	16.28	17.0
		2572.5	16.80	18.0	15.81	17.0
10 MHz	1RB High (49)	2615	17.89	19.0	16.86	18.0
		2595	17.86	19.0	16.99	18.0
		2575	17.75	19.0	16.94	18.0
	1RB Middle (24)	2615	18.32	19.0	17.31	18.0
		2595	18.43	19.0	17.46	18.0
		2575	17.96	19.0	17.24	18.0
	1RB Low (0)	2615	17.96	19.0	16.93	18.0
		2595	17.95	19.0	16.97	18.0
		2575	17.69	19.0	16.84	18.0
	25RB High (25)	2615	16.96	18.0	15.89	17.0
		2595	17.24	18.0	16.19	17.0
		2575	16.88	18.0	15.80	17.0
	25RB Middle (12)	2615	16.97	18.0	15.99	17.0
		2595	17.36	18.0	16.32	17.0
		2575	16.98	18.0	15.89	17.0
	25RB Low (0)	2615	17.21	18.0	15.98	17.0
		2595	17.19	18.0	15.99	17.0
		2575	16.86	18.0	15.76	17.0
	50RB (0)	2615	17.31	18.0	16.17	17.0
		2595	17.19	18.0	16.17	17.0
		2575	16.88	18.0	15.83	17.0
15 MHz	1RB High (75)	2612.5	17.68	19.0	16.37	18.0
		2595	17.61	19.0	16.82	18.0
		2577.5	17.65	19.0	16.92	18.0
	1RB Middle (38)	2612.5	18.37	19.0	16.97	18.0
		2595	18.38	19.0	17.41	18.0
		2577.5	17.92	19.0	17.26	18.0
	1RB Low (0)	2612.5	17.73	19.0	16.52	18.0
		2595	17.56	19.0	16.83	18.0
		2577.5	17.46	19.0	16.70	18.0

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	36RB High (38)	2612.5	16.92	18.0	15.86	17.0
		2595	16.90	18.0	15.97	17.0
		2577.5	16.89	18.0	15.83	17.0
	36RB Middle (19)	2612.5	17.20	18.0	15.95	17.0
		2595	17.30	18.0	16.29	17.0
		2577.5	16.94	18.0	15.89	17.0
	36RB Low (0)	2612.5	16.95	18.0	15.81	17.0
		2595	16.97	18.0	15.94	17.0
		2577.5	16.79	18.0	15.77	17.0
	75RB (0)	2612.5	17.00	18.0	15.94	17.0
		2595	16.96	18.0	15.97	17.0
		2577.5	16.84	18.0	15.79	17.0
20 MHz	1RB High (99)	2610	17.89	19.0	16.89	18.0
		2595	17.96	19.0	16.99	18.0
		2580	17.87	19.0	16.92	18.0
	1RB Middle (50)	2610	18.39	19.0	17.28	18.0
		2595	18.53	19.0	17.44	18.0
		2580	18.24	19.0	17.21	18.0
	1RB Low (0)	2610	17.98	19.0	16.97	18.0
		2595	17.96	19.0	16.95	18.0
		2580	17.74	19.0	16.79	18.0
	50RB High (50)	2610	17.36	18.0	16.24	17.0
		2595	17.22	18.0	16.19	17.0
		2580	16.97	18.0	15.95	17.0
	50RB Middle (25)	2610	16.93	18.0	15.96	17.0
		2595	17.30	18.0	16.28	17.0
		2580	16.97	18.0	16.00	17.0
	50RB Low (0)	2610	16.95	18.0	15.93	17.0
		2595	17.20	18.0	15.97	17.0
		2580	16.98	18.0	15.95	17.0
	100RB (0)	2610	16.96	18.0	15.97	17.0
		2595	17.20	18.0	15.99	17.0
		2580	16.92	18.0	15.97	17.0

State2-1

Band 41

Bandwidth (MHz)	RB allocation RB offset (Start RB)	Frequency (MHz)	QPSK		16QAM	
			Actual output power (dBm)	Tune up	Actual output power (dBm)	Tune up
5 MHz	1RB High (24)	2652.5	22.84	24	21.76	23
		2605	22.47	24	21.36	23
		2557.5	22.28	24	21.15	23

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	1RB Middle (12)	2652.5	23.23	24	22.14	23
		2605	22.92	24	21.82	23
		2557.5	22.63	24	21.51	23
	1RB Low (0)	2652.5	23.05	24	21.98	23
		2605	22.80	24	21.71	23
		2557.5	22.46	24	21.33	23
	12RB High (13)	2652.5	23.06	23.5	21.98	22.5
		2605	22.78	23.5	21.67	22.5
		2557.5	22.49	23.5	21.43	22.5
	12RB Middle (6)	2652.5	23.23	23.5	22.17	22.5
		2605	22.99	23.5	21.89	22.5
		2557.5	22.64	23.5	21.59	22.5
	12RB Low (0)	2652.5	23.22	23.5	22.16	22.5
		2605	22.98	23.5	21.88	22.5
		2557.5	22.61	23.5	21.56	22.5
	25RB (0)	2652.5	23.13	23.5	21.99	22.5
		2605	22.85	23.5	21.70	22.5
		2557.5	22.55	23.5	21.47	22.5
10 MHz	1RB High (49)	2650	22.95	24	21.85	23
		2605	22.50	24	21.53	23
		2560	22.28	24	21.56	23
	1RB Middle (24)	2650	23.31	24	22.22	23
		2605	22.98	24	22.01	23
		2560	22.65	24	21.94	23
	1RB Low (0)	2650	23.02	24	21.91	23
		2605	22.79	24	21.80	23
		2560	22.38	24	21.65	23
	25RB High (25)	2650	23.04	23.5	21.94	22.5
		2605	22.75	23.5	21.63	22.5
		2560	22.54	23.5	21.47	22.5
	25RB Middle (12)	2650	23.16	23.5	22.07	22.5
		2605	22.92	23.5	21.79	22.5
		2560	22.64	23.5	21.57	22.5
	25RB Low (0)	2650	23.08	23.5	21.99	22.5
		2605	22.93	23.5	21.80	22.5
		2560	22.59	23.5	21.52	22.5
	50RB (0)	2650	23.07	23.5	21.93	22.5
		2605	22.82	23.5	21.70	22.5
		2560	22.54	23.5	21.42	22.5
15 MHz	1RB High (75)	2647.5	22.73	24	21.87	23
		2605	22.43	24	21.45	23
		2562.5	22.18	24	21.35	23

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	1RB Middle (38)	2647.5	23.17	24	22.29	23
		2605	22.95	24	22.06	23
		2562.5	22.63	24	21.83	23
	1RB Low (0)	2647.5	22.72	24	21.86	23
		2605	22.55	24	21.67	23
		2562.5	22.21	24	21.39	23
	36RB High (38)	2647.5	23.00	23.5	21.89	22.5
		2605	22.71	23.5	21.50	22.5
		2562.5	22.54	23.5	21.46	22.5
	36RB Middle (19)	2647.5	23.11	23.5	21.99	22.5
		2605	22.92	23.5	21.71	22.5
		2562.5	22.68	23.5	21.60	22.5
	36RB Low (0)	2647.5	22.99	23.5	21.88	22.5
		2605	22.87	23.5	21.66	22.5
		2562.5	22.53	23.5	21.45	22.5
	75RB (0)	2647.5	23.03	23.5	21.93	22.5
		2605	22.86	23.5	21.64	22.5
		2562.5	22.53	23.5	21.43	22.5
20 MHz	1RB High (99)	2645	22.93	24	21.77	23
		2605	22.70	24	21.84	23
		2565	22.64	24	21.92	23
	1RB Middle (50)	2645	23.21	24	22.05	23
		2605	23.11	24	22.25	23
		2565	22.79	24	22.13	23
	1RB Low (0)	2645	22.95	24	21.80	23
		2605	22.93	24	22.00	23
		2565	22.54	24	21.86	23
	50RB High (50)	2645	23.09	23.5	21.90	22.5
		2605	22.83	23.5	21.64	22.5
		2565	22.66	23.5	21.60	22.5
	50RB Middle (25)	2645	23.17	23.5	21.97	22.5
		2605	23.01	23.5	21.82	22.5
		2565	22.71	23.5	21.65	22.5
	50RB Low (0)	2645	23.16	23.5	21.95	22.5
		2605	23.06	23.5	21.87	22.5
		2565	22.70	23.5	21.64	22.5
	100RB (0)	2645	23.11	23.5	21.94	22.5
		2605	23.00	23.5	21.89	22.5
		2565	22.64	23.5	21.58	22.5

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State2-2/3/4/6						
Band 41						
Bandwidth (MHz)	RB allocation RB offset (Start RB)	Frequency (MHz)	QPSK		16QAM	
			Actual output power (dBm)	Tune up	Actual output power (dBm)	Tune up
5 MHz	1RB High (24)	2652.5	16.16	17	15.35	16
		2605	15.77	17	14.64	16
		2557.5	15.48	17	14.69	16
	1RB Middle (12)	2652.5	16.52	17	15.69	16
		2605	16.23	17	15.03	16
		2557.5	15.84	17	15.07	16
	1RB Low (0)	2652.5	16.35	17	15.61	16
		2605	16.06	17	14.93	16
		2557.5	15.66	17	14.86	16
	12RB High (13)	2652.5	16.29	16.5	15.21	15.5
		2605	15.99	16.5	14.83	15.5
		2557.5	15.70	16.5	14.71	15.5
	12RB Middle (6)	2652.5	16.50	16.5	15.45	15.5
		2605	16.19	16.5	15.03	15.5
		2557.5	15.84	16.5	14.89	15.5
	12RB Low (0)	2652.5	16.50	16.5	15.46	15.5
		2605	16.15	16.5	15.02	15.5
		2557.5	15.80	16.5	14.85	15.5
	25RB (0)	2652.5	16.50	16.5	15.31	15.5
		2605	16.10	16.5	14.85	15.5
		2557.5	15.72	16.5	14.64	15.5
10 MHz	1RB High (49)	2650	16.20	17	15.42	16
		2605	15.82	17	14.95	16
		2560	15.81	17	14.58	16
	1RB Middle (24)	2650	16.69	17	15.78	16
		2605	16.29	17	15.32	16
		2560	16.22	17	14.89	16
	1RB Low (0)	2650	16.25	17	15.51	16
		2605	16.04	17	15.17	16
		2560	15.68	17	14.52	16
	25RB High (25)	2650	16.41	16.5	15.24	15.5
		2605	15.99	16.5	14.83	15.5
		2560	16.07	16.5	14.86	15.5
	25RB Middle (12)	2650	16.48	16.5	15.39	15.5
		2605	16.15	16.5	14.95	15.5
		2560	15.84	16.5	14.84	15.5

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	25RB Low (0)	2650	16.46	16.5	15.36	15.5
		2605	16.16	16.5	14.94	15.5
		2560	16.02	16.5	14.82	15.5
	50RB (0)	2650	16.48	16.5	15.27	15.5
		2605	16.07	16.5	14.89	15.5
		2560	16.04	16.5	14.69	15.5
15 MHz	1RB High (75)	2647.5	15.91	17	15.01	16
		2605	15.67	17	14.89	16
		2562.5	15.51	17	14.58	16
	1RB Middle (38)	2647.5	16.56	17	15.49	16
		2605	16.30	17	15.33	16
		2562.5	16.21	17	15.06	16
	1RB Low (0)	2647.5	15.96	17	15.05	16
		2605	15.83	17	15.03	16
		2562.5	15.43	17	14.44	16
	36RB High (38)	2647.5	16.35	16.5	15.25	15.5
		2605	15.92	16.5	14.83	15.5
		2562.5	15.79	16.5	14.72	15.5
	36RB Middle (19)	2647.5	16.50	16.5	15.39	15.5
		2605	16.12	16.5	14.97	15.5
		2562.5	16.15	16.5	14.89	15.5
	36RB Low (0)	2647.5	16.32	16.5	15.25	15.5
		2605	16.09	16.5	14.94	15.5
		2562.5	15.96	16.5	14.73	15.5
	75RB (0)	2647.5	16.33	16.5	15.20	15.5
		2605	16.05	16.5	14.89	15.5
		2562.5	16.00	16.5	14.75	15.5
20 MHz	1RB High (99)	2645	16.07	17	15.10	16
		2605	15.95	17	14.97	16
		2565	15.74	17	14.95	16
	1RB Middle (50)	2645	16.50	17	15.38	16
		2605	16.30	17	15.18	16
		2565	16.01	17	15.24	16
	1RB Low (0)	2645	16.15	17	15.09	16
		2605	16.11	17	15.13	16
		2565	15.71	17	14.92	16
	50RB High (50)	2645	16.36	16.5	15.24	15.5
		2605	15.99	16.5	14.87	15.5
		2565	15.87	16.5	14.85	15.5
	50RB Middle (25)	2645	16.47	16.5	15.34	15.5
		2605	16.17	16.5	14.99	15.5
		2565	15.93	16.5	14.91	15.5

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	50RB Low (0)	2645	16.48	16.5	15.35	15.5
		2605	16.18	16.5	15.05	15.5
		2565	16.08	16.5	14.88	15.5
	100RB (0)	2645	16.46	16.5	15.32	15.5
		2605	16.16	16.5	15.02	15.5
		2565	16.10	16.5	14.86	15.5
State2-5						
Band 41						
Bandwidth (MHz)	RB allocation RB offset (Start RB)	Frequency (MHz)	QPSK		16QAM	
			Actual output power (dBm)	Tune up	Actual output power (dBm)	Tune up
5 MHz	1RB High (24)	2652.5	18.08	19.5	17.24	18.5
		2605	17.87	19.5	16.89	18.5
		2557.5	17.86	19.5	16.87	18.5
	1RB Middle (12)	2652.5	18.52	19.5	17.66	18.5
		2605	18.36	19.5	17.40	18.5
		2557.5	18.23	19.5	17.28	18.5
	1RB Low (0)	2652.5	18.33	19.5	17.46	18.5
		2605	18.21	19.5	17.24	18.5
		2557.5	18.00	19.5	17.04	18.5
	12RB High (13)	2652.5	18.29	18.5	17.16	17.5
		2605	18.11	18.5	17.07	17.5
		2557.5	18.06	18.5	16.96	17.5
	12RB Middle (6)	2652.5	18.50	18.5	17.36	17.5
		2605	18.34	18.5	17.29	17.5
		2557.5	18.23	18.5	17.13	17.5
	12RB Low (0)	2652.5	18.48	18.5	17.35	17.5
		2605	18.32	18.5	17.27	17.5
		2557.5	18.17	18.5	17.08	17.5
	25RB (0)	2652.5	18.37	18.5	17.24	17.5
		2605	18.18	18.5	17.08	17.5
		2557.5	18.00	18.5	17.00	17.5
10 MHz	1RB High (49)	2650	18.16	19.5	16.96	18.5
		2605	17.91	19.5	16.90	18.5
		2560	17.86	19.5	16.84	18.5
	1RB Middle (24)	2650	18.56	19.5	17.40	18.5
		2605	18.47	19.5	17.45	18.5
		2560	18.31	19.5	17.30	18.5
	1RB Low (0)	2650	18.23	19.5	17.04	18.5
		2605	18.22	19.5	17.20	18.5
		2560	17.96	19.5	16.94	18.5

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	25RB High (25)	2650	18.32	18.5	17.18	17.5
		2605	18.14	18.5	17.11	17.5
		2560	18.13	18.5	17.06	17.5
	25RB Middle (12)	2650	18.44	18.5	17.31	17.5
		2605	18.32	18.5	17.30	17.5
		2560	18.25	18.5	17.18	17.5
	25RB Low (0)	2650	18.36	18.5	17.22	17.5
		2605	18.33	18.5	17.30	17.5
		2560	18.19	18.5	17.12	17.5
	50RB (0)	2650	18.35	18.5	17.23	17.5
		2605	18.19	18.5	17.13	17.5
		2560	18.13	18.5	17.12	17.5
15 MHz	1RB High (75)	2647.5	18.00	19.5	17.02	18.5
		2605	17.75	19.5	16.58	18.5
		2562.5	17.71	19.5	16.81	18.5
	1RB Middle (38)	2647.5	18.50	19.5	17.54	18.5
		2605	18.39	19.5	17.30	18.5
		2562.5	18.32	19.5	17.45	18.5
	1RB Low (0)	2647.5	17.94	19.5	17.04	18.5
		2605	17.91	19.5	16.81	18.5
		2562.5	17.76	19.5	16.87	18.5
	36RB High (38)	2647.5	18.29	18.5	17.18	17.5
		2605	18.07	18.5	16.96	17.5
		2562.5	18.14	18.5	17.15	17.5
	36RB Middle (19)	2647.5	18.41	18.5	17.30	17.5
		2605	18.32	18.5	17.21	17.5
		2562.5	18.33	18.5	17.34	17.5
	36RB Low (0)	2647.5	18.28	18.5	17.17	17.5
		2605	18.26	18.5	17.14	17.5
		2562.5	18.15	18.5	17.16	17.5
	75RB (0)	2647.5	18.32	18.5	17.16	17.5
		2605	18.24	18.5	17.07	17.5
		2562.5	18.13	18.5	17.06	17.5
20 MHz	1RB High (99)	2645	18.19	19.5	17.15	18.5
		2605	18.02	19.5	17.17	18.5
		2565	18.14	19.5	17.12	18.5
	1RB Middle (50)	2645	18.52	19.5	17.35	18.5
		2605	18.50	19.5	17.65	18.5
		2565	18.46	19.5	17.33	18.5
	1RB Low (0)	2645	18.13	19.5	17.08	18.5
		2605	18.28	19.5	17.42	18.5
		2565	18.10	19.5	17.08	18.5

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	50RB High (50)	2645	18.25	**18.5**	17.10	**17.5**
		2605	18.08	**18.5**	16.96	**17.5**
		2565	18.20	**18.5**	16.87	**17.5**
	50RB Middle (25)	2645	18.33	**18.5**	17.19	**17.5**
		2605	18.28	**18.5**	17.16	**17.5**
		2565	18.30	**18.5**	16.93	**17.5**
	50RB Low (0)	2645	18.31	**18.5**	17.16	**17.5**
		2605	18.34	**18.5**	17.21	**17.5**
		2565	18.27	**18.5**	16.92	**17.5**
	100RB (0)	2645	18.27	**18.5**	17.13	**17.5**
		2605	18.24	**18.5**	17.10	**17.5**
		2565	18.17	**18.5**	16.83	**17.5**

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The following conducted power measurement results of downlink LTE carrier aggregation are provided to quantify downlink only carrier aggregation SAR test exclusion per KDB 941225 D05A.

Uplink maximum output power is measured with downlink carrier aggregation active, using the channel with highest measured maximum output power when downlink carrier aggregation is inactive, to confirm that when downlink carrier aggregation is active uplink maximum output power remains within the specified tune-up tolerance limits and not more than ¼ dB higher than the maximum output power measured when downlink carrier aggregation inactive.

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

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
CA_7C	7	15	1	38	75	0	21375	3375	7	15	3225	23.73	23.68	24.5
CA_38C	38	20	1	50	100	0	38150	38150	38	20	37952	24.73	24.47	25
CA_41C	41	10	1	24	50	0	41190	41190	41	20	41046	23.28	23.27	24
CA_39A -41A	41	20	1	50	100	0	41140	41140	39	20	38350	23.2	23.19	24

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

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

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
CA_7C	7	20	1	50	100	0	21350	3350	7	20	3152	24	23.8	24.5
CA_38C	38	15	1	38	75	0	38175	38175	38	15	38025	24.57	24.4	25
CA_41C	41	10	1	24	50	0	41190	41190	41	20	41046	23.31	23.26	24
CA_39A -41A	41	20	1	50	100	0	41140	41140	39	20	38350	23.21	23.16	24

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

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11.4 Wi-Fi and BT Measurement result

The output power of BT antenna is as following:

Mode	Conducted Power (dBm)					
	Channel 0 (2402MHz)	Tune up	Channel 39 (2441MHz)	Tune up	Channel 78 (2480MHz)	Tune up
GFSK	8.36	**9.5**	10.2	**11**	7.36	**8.5**

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

802.11b (dBm)

Through and Swap		
State1-1/2/5 and State2-1/2/5		
Channel\data rate	1Mbps	Tune up
1	17.18	**18**
6	16.99	**18**
11	17.52	**18**
State1-3 and State2-3		
Channel\data rate	1Mbps	Tune up
1	15.07	**15.5**
6	15.24	**15.5**
11	15.48	**15.5**
State1-4/6 and State2-4/6		
Channel\data rate	1Mbps	Tune up
1	13.71	**14.5**
6	13.54	**14.5**
11	14.32	**14.5**

802.11g (dBm)

Through and Swap		
State1-1/2/5 and State2-1/2/5		
Channel\data rate	6Mbps	Tune up
1	16.18	**16.5**
6	15.89	**16.5**
11	16.45	**16.5**

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The average conducted power for 5GWi-Fi is as following:

Through and Swap		
State1-1/2/5 and State2-1/2/5		
802.11a(dBm)		
Channel\data rate	6Mbps	Tune up
36(5180 MHz)	14.73	**15.5**
40(5200 MHz)	14.64	**15.5**
44(5220 MHz)	14.71	**15.5**
48(5240 MHz)	14.72	**15.5**
52(5260 MHz)	15.30	**16**
56(5280 MHz)	15.53	**16**
60(5300 MHz)	15.78	**16**
64(5320 MHz)	15.72	**16**
100(5500 MHz)	15.58	**16**
104(5520 MHz)	15.73	**16**
108(5540 MHz)	15.54	**16**
112(5560 MHz)	15.37	**16**
116(5580 MHz)	15.27	**16**
132(5660 MHz)	14.64	**16**
136(5680 MHz)	14.65	**16**
140(5700 MHz)	14.53	**16**
149(5745 MHz)	14.93	**15**
153(5765 MHz)	14.60	**15**
157(5785 MHz)	14.03	**15**
161(5805 MHz)	13.85	**15**
165(5825 MHz)	13.57	**15**
State1-3 and State2-3		
802.11a(dBm)		
Channel\data rate	6Mbps	Tune up
36(5180 MHz)	12.47	**13**
40(5200 MHz)	12.25	**13**
44(5220 MHz)	12.22	**13**
48(5240 MHz)	12.41	**13**
52(5260 MHz)	13.11	**13.5**
56(5280 MHz)	13.32	**13.5**
60(5300 MHz)	13.30	**13.5**
64(5320 MHz)	13.42	**13.5**
100(5500 MHz)	12.93	**13.5**
104(5520 MHz)	13.15	**13.5**
108(5540 MHz)	13.07	**13.5**
112(5560 MHz)	12.91	**13.5**
116(5580 MHz)	12.57	**13.5**
132(5660 MHz)	12.24	**13.5**

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136(5680 MHz)	12.08	**13.5**
140(5700 MHz)	12.07	**13.5**
149(5745 MHz)	12.48	**12.5**
153(5765 MHz)	12.34	**12.5**
157(5785 MHz)	12.31	**12.5**
161(5805 MHz)	11.99	**12.5**
165(5825 MHz)	11.72	**12.5**
State1-4/6 and State2-4/6		
802.11a(dBm)		
Channel\data rate	6Mbps	Tune up
36(5180 MHz)	10.89	**12**
40(5200 MHz)	10.88	**12**
44(5220 MHz)	11.11	**12**
48(5240 MHz)	11.20	**12**
52(5260 MHz)	11.90	**12.5**
56(5280 MHz)	12.23	**12.5**
60(5300 MHz)	12.46	**12.5**
64(5320 MHz)	12.39	**12.5**
100(5500 MHz)	12.47	**12.5**
104(5520 MHz)	12.44	**12.5**
108(5540 MHz)	12.45	**12.5**
112(5560 MHz)	12.35	**12.5**
116(5580 MHz)	12.29	**12.5**
132(5660 MHz)	12.07	**12.5**
136(5680 MHz)	12.22	**12.5**
140(5700 MHz)	12.27	**12.5**
149(5745 MHz)	11.43	**11.5**
153(5765 MHz)	11.30	**11.5**
157(5785 MHz)	11.26	**11.5**
161(5805 MHz)	11.10	**11.5**
165(5825 MHz)	10.89	**11.5**

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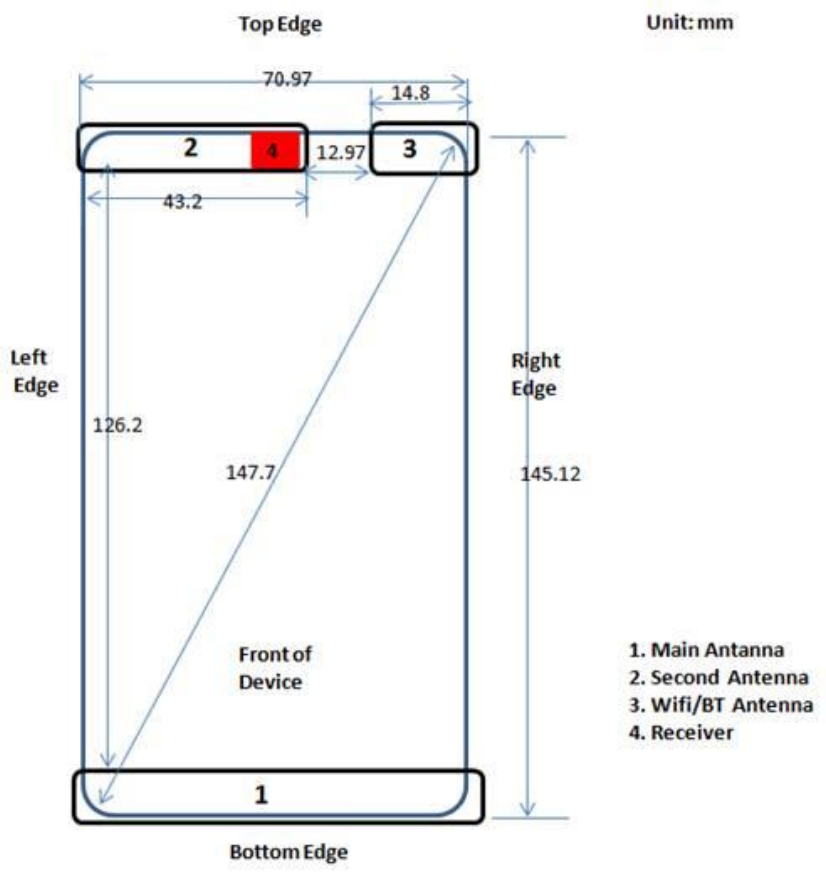
12 Simultaneous TX SAR Considerations

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.

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 Body SAR with Hotspot.

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

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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	Body	19.20	11	12.59	Yes
2.4GHz WLAN 802.11 b	2.45	Head	9.58	18	63.10	No
		Body	19.17	18	63.10	No
WLAN 5GHz	5.2	Head	6.58	15.5	35.48	No
		Body	13.16	15.5	35.48	No
	5.3	Head	6.52	16	39.81	No
		Body	13.03	16	39.81	No
	5.6	Head	6.34	16	39.81	No
		Body	12.68	16	39.81	No
	5.8	Head	6.23	15	31.62	No
		Body	12.46	15	31.62	No

Note: Held to ear configurations are not applicable to Bluetooth and therefore were not considered for simultaneous transmission. The Hotspot is not supported by Bluetooth.

Table 12.2: Estimated SAR for Bluetooth

Mode/Band	F (GHz)	Position	Distance (mm)	Upper limit of power *		Estimated$_{1g}$ (W/kg)
				dBm	mW	
Bluetooth	2.441	Body	15	11	12.59	0.17

* - Maximum possible output power declared by manufacturer

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

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13 Evaluation of Simultaneous

The Simultaneous Transmission Possibilities of this device are as below:

No.	Simultaneous Tx Combination	Head	Body-worn	Hotspot
1	GSM Voice(Ant 2) + WCDMA Data(Ant 1)	Yes	Yes	Yes
2	GSM Voice(Ant 2) + WCDMA Voice(Ant 1)	Yes	Yes	N/A
3	GSM Voice (Ant 2)+ LTE DATA(Ant 1)	Yes*	Yes*	Yes
4	GSM DATA(Ant 2) + LTE DATA(Ant 1)	Yes*	Yes*	N/A
5	GSM Voice(Ant 2) + GSM Voice(Ant 1)	Yes	Yes	N/A
6	GSM Voice (Ant 2) + GSM Data(Ant 1)	Yes	Yes	Yes
7	GSM Data(Ant 2) + WCDMA Voice(Ant 1)	Yes	Yes	Yes
8	GSM Data(Ant 2) + GSM Voice(Ant 1)	Yes	Yes	Yes
9	GSM Voice(Ant 1) + WCDMA Data(Ant 2)	Yes	Yes	Yes
10	GSM Voice(Ant 1)+ WCDMA Voice(Ant 2)	Yes	Yes	N/A
11	GSM Data(Ant 1)+ WCDMA Voice(Ant 2)	Yes	Yes	Yes
12	GSM Voice(Ant 1)+ LTE Data(Ant 2)	Yes*	Yes*	Yes
13	GSM DATA(Ant 1) + LTE DATA(Ant 2)	Yes*	Yes*	N/A
14	GSM Voice(Ant 1) + BT	N/A	Yes	N/A
15	GSM DATA(Ant 1) + BT	N/A	Yes	N/A
16	GSM Voice(Ant 2) + BT	N/A	Yes	N/A
17	GSM DATA (Ant 2)+ BT	N/A	Yes	N/A
18	GSM Voice(Ant 1) + WiFi	Yes	Yes	N/A
19	GSM DATA(Ant 1) + WiFi	N/A	Yes	Yes
20	GSM Voice(Ant 2) + WiFi	Yes	Yes	N/A
21	GSM DATA(Ant 2) + WiFi	N/A	Yes	Yes
22	WCDMA Voice(Ant 1) + BT	N/A	Yes	N/A
23	WCDMA Data(Ant 1) + BT	N/A	Yes	N/A
24	WCDMA Voice(Ant 2) + BT	N/A	Yes	N/A
25	WCDMA Data(Ant 2) + BT	N/A	Yes	N/A
26	WCDMA Voice(Ant 1) + WiFi	Yes	Yes	N/A
27	WCDMA Data (Ant 1) + WiFi	N/A	Yes	Yes
28	WCDMA Voice (Ant 2) + WiFi	Yes	Yes	N/A
29	WCDMA Data (Ant 2)+ WiFi	N/A	Yes	Yes
30	LTE Data(Ant 1) + WiFi	Yes	Yes*	Yes
31	LTE Data(Ant 1) + BT	N/A	Yes*	N/A
32	LTE Data(Ant 2) + WiFi	Yes	Yes	Yes
33	LTE Data(Ant 2) + BT	N/A	Yes*	N/A
34	GSM Voice(Ant 2)+ WCDMA Data(Ant 1) + BT	N/A	Yes	N/A
35	GSM Voice(Ant 2)+ WCDMA Voice(Ant 1) + BT	N/A	Yes	N/A
36	GSM Voice(Ant 2) + LTE DATA(Ant 1) + BT	N/A	Yes*	N/A
37	GSM Voice(Ant 2) + GSM Voice(Ant 1) + BT	N/A	Yes	N/A
38	GSM Voice(Ant 2) + GSM Data(Ant 1) + BT	N/A	Yes	N/A
39	GSM Data(Ant 2) + WCDMA Voice(Ant 1) + BT	N/A	Yes	N/A

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40	GSM Data(Ant 2) + GSM Voice(Ant 1) + BT	N/A	Yes	N/A
41	GSM DATA(Ant 2) + LTE DATA(Ant 1) + BT	N/A	Yes*	N/A
42	GSM Voice(Ant 1) + WCDMA Data(Ant 2) + BT	N/A	Yes	N/A
43	GSM Voice(Ant 1) + WCDMA Voice(Ant 2) + BT	N/A	Yes	N/A
44	GSM Data(Ant 1) + WCDMA Voice(Ant 2) + BT	N/A	Yes	N/A
45	GSM Voice(Ant 1) + LTE Data(Ant 2) + BT	N/A	Yes*	N/A
46	GSM DATA(Ant 1) + LTE Data(Ant 2) + BT	N/A	Yes*	N/A
47	GSM Voice(Ant 2) + WCDMA Data(Ant 1) +WiFi	Yes	Yes	Yes
48	GSM Voice(Ant 2) + WCDMA Voice(Ant 1) +WiFi	Yes	Yes	N/A
49	GSM Voice(Ant 2) + LTE DATA(Ant 1) +WiFi	Yes*	Yes*	Yes
50	GSM Voice(Ant 2) + GSM Voice(Ant 1) +WiFi	Yes	Yes	N/A
51	GSM Voice(Ant 2) + GSM Data(Ant 1) +WiFi	Yes	Yes	Yes
52	GSM Data(Ant 2) + WCDMA Voice(Ant 1) +WiFi	Yes	Yes	Yes
53	GSM Data (Ant 2) + GSM Voice(Ant 1) +WiFi	Yes	Yes	Yes
54	GSM DATA(Ant 2) + LTE DATA(Ant 1) +WiFi	Yes	Yes	N/A
55	GSM Voice(Ant 1) + WCDMA Data(Ant 2) +WiFi	Yes	Yes	Yes
56	GSM Voice(Ant 1)+ WCDMA Voice(Ant 2) +WiFi	Yes	Yes	N/A
57	GSM Data(Ant 1)+ WCDMA Voice(Ant 2) +WiFi	Yes	Yes	Yes
58	GSM Voice(Ant 1)+ LTE Data(Ant 2) +WiFi	Yes*	Yes*	Yes
59	GSM DATA(Ant 1) + LTE Data(Ant 2) + BT	N/A	Yes*	N/A

Note:

1. Wi-Fi 2.4G and Bluetooth share the same Tx antenna and can't transmit simultaneously.
2. Held to ear configurations are not applicable to Bluetooth and therefore were not considered for simultaneous transmission.
3. The device does not support DTM function.
4. * VOIP 3rd party applications may possibly be installed and used by the user.
5. Ant 1 = Main antenna; Ant 2 = Second antenna.
6. The device has one 2G&3G&4G main modem and one 2G secondary modem. It can support SIM1 and SIM2. When only one SIM card is inserted in the device, either Ant 1 or Ant 2 can be used for SIM1 or SIM2. Ant 1 or Ant 2 uses the same 2G&3G&4G main modem. When two SIM cards are inserted in the device, SIM1 uses the 2G&3G&4G main modem and SIM2 uses the 2G secondary modem. Either Ant 1 or Ant 2 can be used for SIM1 or SIM2. But 3G/4G (Ant 1) and 3G/4G (Ant 2) can't transmit simultaneously.

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Table 13.1: The sum of reported SAR values for three antennas with WLAN-2.4G

	Position	Band	Second ant. Main Modem	Band	Main ant. Second Modem	WLAN	Sum
Head	Left hand, Tilt15°	GSM850	0.79	GSM850	0.05	0.46	**1.30**
	Right hand, Touch cheek	WCDMA850	1.29	GSM850	0.07	0.12	**1.48**
Body	Rear 10mm	GSM850	0.85	GSM1900	0.29	0.12	**1.26**
	Rear 15mm	GSM850	0.43	GSM1900	0.09	0.06	**0.58**

	Position	Band	Main ant. Main Modem	Band	Second ant. Second Modem	WLAN	Sum
Head	Left hand, Tilt15°	LTE B4 1RB	0.19	GSM850	0.42	0.46	**1.07**
	Right hand, Touch cheek	W1700	0.66	GSM1900	0.70	0.12	**1.48**
Body	Rear 10mm	GSM1900	0.78	GSM1900	0.22	0.12	**1.12**
	Rear 15mm	W1900	0.49	GSM850 GSM1900	0.09	0.06	**0.64**

Table 13.2: The sum of reported SAR values for two antennas with WLAN-2.4G

	Position	Band	Second ant. Main Modem	WLAN	Sum
Head	Left hand, Touch cheek	GSM850	0.74	0.68	**1.42**
	Left hand, Tilt15°	GSM850	0.79	0.65	**1.44**
	Right hand, Touch cheek	WCDMA850	1.29	0.20	**1.49**
Body	Rear 10mm	GSM850	0.85	0.11	**0.96**
	Rear 15mm	GSM850	0.43	0.05	**0.48**

	Position	Band	Main ant. Main Modem	WLAN	Sum
Head	Left hand, Touch cheek	LTE B7 1RB	0.48	0.68	**1.16**
	Left hand, Tilt15°	LTE B4 1RB	0.19	0.65	**0.84**
	Right hand, Touch cheek	W1700	0.66	0.20	**0.86**
Body	Rear 10mm	GSM1900	0.78	0.11	**0.89**
	Rear 15mm	W1900	0.49	0.05	**0.54**

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Table 13.3: The sum of reported SAR values for three antennas with WLAN-5G

	Position	Band	Second ant. Main Modem	Band	Main ant. Second Modem	WLAN	Sum
Head	Left hand, Touch cheek	GSM850	0.74	GSM1900	0.08	0.54	**1.36**
	Left hand, Tilt15°	GSM850	0.79	GSM850	0.05	0.39	**1.23**
	Right hand, Touch cheek	WCDMA850	1.29	GSM850	0.07	0.23	**1.59**
Body	Rear 10mm	GSM850	0.85	GSM1900	0.29	0.06	**1.20**
	Rear 15mm	GSM850	0.43	GSM1900	0.09	0.06	**0.58**

	Position	Band	Main ant. Main Modem	Band	Second ant. Second Modem	WLAN	Sum
Head	Left hand, Touch cheek	LTE B7 1RB	0.48	GSM850	0.46	0.54	**1.48**
	Left hand, Tilt15°	LTE B4 1RB	0.19	GSM850	0.42	0.39	**1.00**
	Right hand, Touch cheek	W1700	0.66	GSM1900	0.70	0.23	**1.59**
Body	Rear 10mm	GSM1900	0.78	GSM1900	0.22	0.06	**1.06**
	Rear 15mm	W1900	0.49	GSM850 GSM1900	0.09	0.06	**0.64**

Table 13.4: The sum of reported SAR values for two antennas with WLAN-5G

	Position	Band	Second ant. Main Modem	WLAN	Sum
Head	Left hand, Touch cheek	GSM850	0.74	0.75	**1.49**
	Left hand, Tilt15°	GSM850	0.79	0.44	**1.23**
	Right hand, Touch cheek	WCDMA850	1.29	0.23	**1.52**
Body	Rear 10mm	GSM850	0.85	0.06	**0.91**
	Rear 15mm	GSM850	0.43	0.05	**0.48**

	Position	Band	Main ant. Main Modem	WLAN	Sum
Head	Left hand, Touch cheek	LTE B7 1RB	0.48	0.75	**1.23**
	Left hand, Tilt15°	LTE B4 1RB	0.19	0.44	**0.63**
	Right hand, Touch cheek	W1700	0.66	0.23	**0.89**
Body	Rear 10mm	GSM1900	0.78	0.06	**0.84**
	Rear 15mm	W1900	0.49	0.05	**0.54**

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Table 13.5: The sum of reported SAR values for three antennas with BT

	Position	Band	Second ant. Main Modem	Band	Main ant. Second Modem	BT	Sum
Body	Rear 15mm	GSM850	0.43	GSM1900	0.09	0.17	**0.69**

	Position	Band	Main ant. Main Modem	Band	Second ant. Second Modem	BT	Sum
Body	Rear 15mm	W1900	0.49	GSM850 GSM1900	0.09	0.17	**0.75**

Table 13.6: The sum of reported SAR values for two antennas withBT

	Position	Band	Second ant. Main Modem	BT	Sum
Body	Rear 15mm	GSM850	0.43	0.17	**0.60**

	Position	Band	Main ant. Main Modem	BT	Sum
Body	Rear 15mm	W1900	0.49	0.17	**0.66**

Conclusion:

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

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14 SAR Test Result

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.

The evaluation of multi-batteries for Head Test

Frequency		Side	Test Position	Battery Type	SAR(1g) (W/kg)	Power Drift(dB)	Mark
MHz	Ch.						
846.6	4233	Right	Touch	HB366481ECW Sunwoda Electronic Co.,Ltd. (ATL)	0.30	0.11	Battery1
846.6	4233	Right	Touch	HB366481ECW (sony) Huizhou Desay Battery Co., Ltd.	0.27	-0.17	Battery2
846.6	4233	Right	Touch	HB366481ECW (ATL) 650 SCUD (Fujian) Electronics Co.,Lted	0.20	0.11	Battery3

Note: According to the values in the above table, the **battery1**, is the primary battery.
We'll perform the head measurement with this battery and retest on highest value point with others.

The evaluation of multi-batteries for Body Test

Frequency		Test Position	Spacing (mm)	Battery Type	SAR(1g) (W/kg)	Power Drift(dB)	Mark
MHz	Ch.						
846.6	4233	Rear	10	HB366481ECW Sunwoda Electronic Co.,Ltd. (ATL)	0.35	-0.04	Battery1
846.6	4233	Rear	10	HB366481ECW (sony) Huizhou Desay Battery Co., Ltd.	0.37	0.03	Battery2
846.6	4233	Rear	10	HB366481ECW (ATL) 650 SCUD (Fujian) Electronics Co.,Lted	0.31	0.05	Battery3

Note: According to the values in the above table, the **battery2**,is the primary battery.
We'll perform the body measurement with this battery and retest on highest value point with others.

It is determined by user manual for the distance between the EUT and the phantom bottom.
The distance is 10mm or 15mm and just applied to the condition of body.
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 >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.

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14.1 SAR results

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

Main antenna – Main Modem											
Frequency		Side	Test Position	Figure No.or mode	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.										
836.6	190	Left	Touch	/	32.96	33.5	0.142	**0.16**	0.205	**0.23**	0.04
836.6	190	Left	Tilt	/	32.96	33.5	0.082	**0.09**	0.118	**0.13**	0.06
848.8	251	Right	Touch	/	32.96	33.5	0.242	**0.27**	0.315	**0.36**	0.05
836.6	190	Right	Touch	/	32.96	33.5	0.197	**0.22**	0.289	**0.33**	0.05
824.2	128	Right	Touch	/	32.82	33.5	0.150	**0.18**	0.218	**0.25**	-0.05
836.6	190	Right	Tilt	/	32.96	33.5	0.074	**0.08**	0.114	**0.13**	0.04
GPRS(2TXslots) with Simultaneous transmission of Main antenna+Second antenna											
Frequency		Side	Test Position	Figure No.or mode	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.										
836.6	190	Left	Touch	/	31.19	31.5	0.166	**0.18**	0.240	**0.26**	0.08
836.6	190	Left	Tilt	/	31.19	31.5	0.078	**0.08**	0.112	**0.12**	-0.10
848.8	251	Right	Touch	/	31.21	31.5	0.331	**0.35**	0.428	**0.46**	0.07
836.6	190	Right	Touch	/	31.19	31.5	0.229	**0.25**	0.333	**0.36**	-0.01
824.2	128	Right	Touch	/	30.98	31.5	0.178	**0.20**	0.259	**0.29**	0.06
836.6	190	Right	Tilt	/	31.19	31.5	0.089	**0.10**	0.134	**0.14**	0.00
848.8	251	Right	Touch	**EGPRS**	31.19	31.5	0.287	**0.31**	0.419	**0.45**	0.16
848.8	251	Right	Touch	**Note1**	31.21	31.5	0.260	**0.28**	0.378	**0.40**	0.13
848.8	251	Right	Touch	**Note2**	31.21	31.5	0.209	**0.22**	0.305	**0.33**	-0.02
Second antenna –Second Modem											
Frequency		Side	Test Position	Figure No.or mode	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.										
836.6	190	Left	Touch	/	32.51	33.5	0.293	**0.37**	0.476	**0.60**	0.07
836.6	190	Left	Tilt	/	32.51	33.5	0.348	**0.44**	0.552	**0.69**	0.04
848.8	251	Right	Touch	Fig.1	32.46	33.5	0.586	**0.74**	1.15	**1.46**	0.01
836.6	190	Right	Touch	/	32.51	33.5	0.672	**0.84**	1.12	**1.41**	0.05
824.2	128	Right	Touch	/	32.48	33.5	0.589	**0.74**	0.971	**1.23**	0.09
848.8	251	Right	Tilt	/	32.46	33.5	0.528	**0.67**	0.893	**1.13**	0.08
836.6	190	Right	Tilt	/	32.51	33.5	0.508	**0.64**	0.870	**1.09**	0.00
824.2	128	Right	Tilt	/	32.48	33.5	0.418	**0.53**	0.698	**0.88**	0.00
848.8	251	Right	Touch	**Note1**	32.46	33.5	0.571	**0.73**	1.12	**1.42**	0.07
848.8	251	Right	Touch	**Note2**	32.46	33.5	0.496	**0.63**	0.973	**1.24**	-0.04
Power Reduction for GPRS(2TXslots) with Simultaneous transmission of Main antenna+Second antenna											
Frequency		Side	Test Position	Figure No.or mode	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.										

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836.6	190	Left	Touch	/	26.34	26.5	0.219	**0.23**	0.441	**0.46**	0.03
836.6	190	Left	Tilt	/	26.34	26.5	0.196	**0.20**	0.406	**0.42**	-0.05
848.8	251	Right	Touch	/	26.39	26.5	0.354	**0.36**	0.661	**0.68**	0.03
836.6	190	Right	Touch	/	26.34	26.5	0.334	**0.35**	0.625	**0.65**	-0.11
824.2	128	Right	Touch	/	26.15	26.5	0.282	**0.31**	0.548	**0.59**	0.10
836.6	190	Right	Tilt	/	26.34	26.5	0.266	**0.28**	0.535	**0.56**	0.02
848.8	251	Right	Touch	**EGPRS**	26.39	26.5	0.353	**0.36**	0.637	**0.65**	0.09

Power Reduction with Simultaneous transmission of Main antenna+Second antenna+WLAN antenna

Frequency		Side	Test Position	Figure No.or mode	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.										
836.6	190	Left	Touch	/	28.38	28.5	0.199	**0.20**	0.373	**0.38**	-0.10
836.6	190	Left	Tilt	/	28.38	28.5	0.165	**0.17**	0.326	**0.34**	0.08
848.8	251	Right	Touch	/	28.45	28.5	0.311	**0.31**	0.581	**0.59**	0.01
836.6	190	Right	Touch	/	28.38	28.5	0.297	**0.31**	0.552	**0.57**	0.11
824.2	128	Right	Touch	/	28.21	28.5	0.258	**0.28**	0.481	**0.51**	0.02
836.6	190	Right	Tilt	/	28.38	28.5	0.243	**0.25**	0.488	**0.50**	-0.12

Second antenna – Main Modem

Frequency		Side	Test Position	Figure No.or mode	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.										
836.6	190	Left	Touch	/	33.04	33.2	0.469	**0.49**	0.709	**0.74**	0.14
836.6	190	Left	Tilt	/	33.04	33.2	0.393	**0.41**	0.761	**0.79**	-0.15
848.8	251	Right	Touch	/	33.09	33.2	0.603	**0.62**	1.14	**1.17**	0.09
836.6	190	Right	Touch	/	33.04	33.2	0.568	**0.59**	1.07	**1.11**	0.06
824.2	128	Right	Touch	/	32.93	33.2	0.611	**0.65**	1.03	**1.10**	-0.04
848.8	251	Right	Tilt	/	33.09	33.2	0.619	**0.63**	1.06	**1.09**	-0.12
836.6	190	Right	Tilt	/	33.04	33.2	0.548	**0.57**	0.922	**0.96**	0.09
824.2	128	Right	Tilt	/	32.93	33.2	0.469	**0.50**	0.798	**0.85**	-0.09
848.8	251	Right	Touch	/	33.09	33.2	0.704	**0.72**	1.11	**1.14**	-0.10
848.8	251	Right	Touch	/	33.09	33.2	0.597	**0.61**	0.999	**1.02**	-0.02

Power Reduction for GPRS(2TXslots) with Simultaneous transmission of Main antenna+Second antenna

Frequency		Side	Test Position	Figure No.or mode	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.										
836.6	190	Left	Touch	/	27.26	27.5	0.395	**0.42**	0.685	**0.72**	0.08
836.6	190	Left	Tilt	/	27.26	27.5	0.329	**0.35**	0.633	**0.67**	0.05
848.8	251	Right	Touch	/	27.29	27.5	0.524	**0.55**	0.964	**1.01**	-0.12
836.6	190	Right	Touch	/	27.26	27.5	0.536	**0.57**	0.979	**1.03**	0.02
824.2	128	Right	Touch	/	27.26	27.5	0.503	**0.53**	0.896	**0.95**	0.10
848.8	251	Right	Tilt	/	27.29	27.5	0.485	**0.51**	0.934	**0.98**	-0.03
836.6	190	Right	Tilt	/	27.26	27.5	0.473	**0.50**	0.886	**0.94**	0.00

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824.2	128	Right	Tilt	/	27.26	27.5	0.411	**0.43**	0.815	**0.86**	-0.02
836.6	190	Right	Touch	**EGPRS**	27.26	27.5	0.510	**0.54**	0.965	**1.02**	0.04

Main antenna –Second Modem

Frequency		Side	Test Position	Figure No.or mode	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.										
836.6	190	Left	Touch	/	32.87	33.5	0.031	**0.04**	0.045	**0.05**	0.13
836.6	190	Left	Tilt	/	32.87	33.5	0.028	**0.03**	0.041	**0.05**	0.11
848.8	251	Right	Touch	/	32.93	33.5	0.045	**0.05**	0.060	**0.07**	-0.11
836.6	190	Right	Touch	/	32.87	33.5	0.038	**0.04**	0.056	**0.06**	0.09
824.2	128	Right	Touch	/	32.77	33.5	0.045	**0.05**	0.059	**0.07**	0.14
836.6	190	Right	Tilt	/	32.87	33.5	0.024	**0.03**	0.037	**0.04**	0.14
848.8	251	Right	Touch	**Note1**	32.93	33.5	0.040	**0.05**	0.059	**0.07**	0.04
848.8	251	Right	Touch	**Note2**	32.93	33.5	0.035	**0.04**	0.051	**0.06**	-0.04

GPRS(4TXslots) with Simultaneous transmission of Main antenna+Second antenna

Frequency		Side	Test Position	Figure No.or mode	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.										
836.6	190	Left	Touch	/	27.33	27.5	0.024	**0.03**	0.035	**0.04**	0.16
836.6	190	Left	Tilt	/	27.33	27.5	0.017	**0.02**	0.026	**0.03**	0.08
848.8	251	Right	Touch	/	27.39	27.5	0.025	**0.03**	0.037	**0.04**	0.12
836.6	190	Right	Touch	/	27.33	27.5	0.028	**0.03**	0.041	**0.04**	-0.19
824.2	128	Right	Touch	/	27.17	27.5	0.036	**0.04**	0.048	**0.05**	0.09
836.6	190	Right	Tilt	/	27.33	27.5	0.016	**0.02**	0.024	**0.03**	0.13
824.2	128	Right	Touch	**EGPRS**	27.16	27.5	0.036	**0.04**	0.046	**0.05**	0.06

Note1: SAR Values For Battery of HB366481ECW ((sony) Huizhou Desay Battery Co., Ltd.).

Note2: SAR Values For Battery of HB366481ECW ((ATL) 650 SCUD (Fujian) Electronics Co.,Lted).

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

Main antenna – Main Modem

Frequency		Mode (number of timeslots)	Test Position	D (mm)	Figure No.or mode	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.											
836.6	190	GPRS (2)	Front	10	/	31.19	31.5	0.235	**0.25**	0.334	**0.36**	0.02
848.8	251	GPRS (2)	Rear	10	/	31.21	31.5	0.343	**0.37**	0.455	**0.49**	-0.05
836.6	190	GPRS (2)	Rear	10	/	31.19	31.5	0.286	**0.31**	0.436	**0.47**	0.12
824.2	128	GPRS (2)	Rear	10	/	30.98	31.5	0.292	**0.33**	0.439	**0.49**	-0.01
836.6	190	GPRS (2)	Left	10	/	31.19	31.5	0.157	**0.17**	0.234	**0.25**	-0.02
836.6	190	GPRS (2)	Right	10	/	31.19	31.5	0.189	**0.20**	0.282	**0.30**	-0.02
836.6	190	GPRS (2)	Bottom	10	/	31.19	31.5	0.082	**0.09**	0.146	**0.16**	0.04
848.8	251	EGPRS (2)	Rear	10	/	31.19	31.5	0.255	**0.27**	0.431	**0.46**	-0.02

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848.8	251	GPRS (2)	Rear	10	**Note1**	31.21	31.5	0.289	**0.31**	0.413	**0.44**	-0.06
848.8	251	GPRS (2)	Rear	10	**Note2**	31.21	31.5	0.230	**0.25**	0.331	**0.35**	-0.01
836.6	190	GPRS (2)	Front	15	/	31.19	31.5	0.194	**0.21**	0.273	**0.29**	-0.11
848.8	251	GPRS (2)	Rear	15	/	31.21	31.5	0.258	**0.28**	0.332	**0.35**	0.01
836.6	190	GPRS (2)	Rear	15	/	31.19	31.5	0.222	**0.24**	0.313	**0.34**	-0.01
824.2	128	GPRS (2)	Rear	15	/	30.98	31.5	0.219	**0.25**	0.308	**0.35**	0.03
848.8	251	EGPRS (2)	Rear	15	/	31.19	31.5	0.221	**0.24**	0.312	**0.34**	0.02
848.8	251	GPRS (2)	Rear	15	**Note1**	31.21	31.5	0.212	**0.23**	0.302	**0.32**	-0.03
848.8	251	GPRS (2)	Rear	15	**Note2**	31.21	31.5	0.175	**0.19**	0.247	**0.26**	-0.04

Second antenna – Second Modem

Frequency		Mode (number of timeslots)	Test Position	D (mm)	Figure No.or mode	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.											
848.8	251	GPRS (2)	Front	10	/	30.57	31.5	0.484	**0.60**	0.825	**1.02**	0.01
836.6	190	GPRS (2)	Front	10	/	30.6	31.5	0.400	**0.49**	0.678	**0.83**	0.05
824.2	128	GPRS (2)	Front	10	/	30.51	31.5	0.336	**0.42**	0.570	**0.72**	-0.03
848.8	251	GPRS (2)	Rear	10	Fig.2	30.57	31.5	0.500	**0.62**	0.903	**1.12**	-0.08
836.6	190	GPRS (2)	Rear	10	/	30.6	31.5	0.481	**0.59**	0.802	**0.99**	-0.02
824.2	128	GPRS (2)	Rear	10	/	30.51	31.5	0.400	**0.50**	0.664	**0.83**	0.01
836.6	190	GPRS (2)	Left	10	/	30.6	31.5	0.305	**0.38**	0.452	**0.56**	0.00
836.6	190	GPRS (2)	Top	10	/	30.6	31.5	0.272	**0.33**	0.488	**0.60**	0.15
848.8	251	EGPRS (2)	Rear	10	/	30.57	31.5	0.491	**0.61**	0.887	**1.10**	0.01
848.8	251	GPRS (2)	Rear	10	**Note1**	30.57	31.5	0.534	**0.66**	0.893	**1.11**	-0.05
848.8	251	GPRS (2)	Rear	10	**Note2**	30.57	31.5	0.438	**0.54**	0.744	**0.92**	-0.11
836.6	190	GPRS (2)	Front	15	/	30.6	31.5	0.182	**0.22**	0.270	**0.33**	-0.02
848.8	251	GPRS (2)	Rear	15	Fig.3	30.57	31.5	0.211	**0.26**	0.355	**0.44**	-0.06
836.6	190	GPRS (2)	Rear	15	/	30.6	31.5	0.207	**0.25**	0.307	**0.38**	0.16
824.2	128	GPRS (2)	Rear	15	/	30.51	31.5	0.188	**0.24**	0.265	**0.33**	-0.07
848.8	251	EGPRS (2)	Rear	15	/	30.57	31.5	0.210	**0.26**	0.354	**0.44**	0.16
848.8	251	GPRS (2)	Rear	15	**Note1**	30.57	31.5	0.213	**0.26**	0.349	**0.43**	0.08
848.8	251	GPRS (2)	Rear	15	**Note2**	30.57	31.5	0.182	**0.23**	0.288	**0.36**	-0.08

Power Reduction with Simultaneous transmission of Main antenna+Second antenna+WLAN antenna

Frequency		Mode (number of timeslots)	Test Position	D (mm)	Figure No.or mode	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.											
836.6	190	GPRS (2)	Front	10	/	26.34	26.5	0.092	**0.10**	0.172	**0.18**	-0.01
848.8	251	GPRS (2)	Rear	10	/	26.39	26.5	0.120	**0.12**	0.217	**0.22**	0.00
836.6	190	GPRS (2)	Rear	10	/	26.34	26.5	0.105	**0.11**	0.195	**0.20**	0.08
824.2	128	GPRS (2)	Rear	10	/	26.15	26.5	0.093	**0.10**	0.168	**0.18**	-0.04
836.6	190	GPRS (2)	Left	10	/	26.34	26.5	0.087	**0.09**	0.137	**0.14**	-0.11
836.6	190	GPRS (2)	Top	10	/	26.34	26.5	0.058	**0.06**	0.119	**0.12**	-0.14

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848.8	251	EGPRS (2)	Rear	10	/	26.39	26.5	0.118	**0.12**	0.216	**0.22**	0.11
848.8	251	GPRS (2)	Rear	10	**Note1**	26.39	26.5	0.116	**0.12**	0.210	**0.22**	-0.08
848.8	251	GPRS (2)	Rear	10	**Note2**	26.39	26.5	0.100	**0.10**	0.189	**0.19**	0.09
836.6	190	GPRS (2)	Front	15	/	26.34	26.5	0.045	**0.05**	0.067	**0.07**	0.04
848.8	251	GPRS (2)	Rear	15	/	26.39	26.5	0.055	**0.06**	0.092	**0.09**	-0.02
836.6	190	GPRS (2)	Rear	15	/	26.34	26.5	0.059	**0.06**	0.085	**0.09**	-0.03
824.2	128	GPRS (2)	Rear	15	/	26.15	26.5	0.053	**0.06**	0.077	**0.08**	0.10
848.8	251	EGPRS (2)	Rear	15	/	26.39	26.5	0.053	**0.05**	0.090	**0.09**	-0.12
848.8	251	GPRS (2)	Rear	15	**Note1**	26.39	26.5	0.058	**0.06**	0.088	**0.09**	0.07
848.8	251	GPRS (2)	Rear	15	**Note2**	26.39	26.5	0.054	**0.06**	0.081	**0.08**	-0.01

Second antenna – Main Modem

Frequency		Mode (number of timeslots)	Test Position	D (mm)	Figure No.or mode	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.											
836.6	190	GPRS (2)	Front	10	/	30.68	31.5	0.289	**0.35**	0.441	**0.53**	-0.03
848.8	251	GPRS (2)	Rear	10	/	30.78	31.5	0.418	**0.49**	0.667	**0.79**	0.00
836.6	190	GPRS (2)	Rear	10	/	30.68	31.5	0.401	**0.48**	0.707	**0.85**	0.05
824.2	128	GPRS (2)	Rear	10	/	30.48	31.5	0.331	**0.42**	0.531	**0.67**	-0.08
836.6	190	GPRS (2)	Left	10	/	30.68	31.5	0.287	**0.35**	0.429	**0.52**	-0.06
836.6	190	GPRS (2)	Top	10	/	30.68	31.5	0.258	**0.31**	0.477	**0.58**	-0.04
836.6	190	EGPRS (2)	Rear	10	/	30.68	31.5	0.348	**0.42**	0.558	**0.67**	-0.01
836.6	190	GPRS (2)	Rear	10	**Note1**	30.68	31.5	0.238	**0.29**	0.365	**0.44**	-0.12
836.6	190	GPRS (2)	Rear	10	**Note2**	30.68	31.5	0.303	**0.37**	0.439	**0.53**	-0.11
836.6	190	GPRS (2)	Rear	10	**Note3**	30.68	31.5	0.391	**0.47**	0.24	**0.29**	-0.11
836.6	190	GPRS (2)	Front	15	/	30.68	31.5	0.157	**0.19**	0.275	**0.33**	-0.14
848.8	251	GPRS (2)	Rear	15	/	30.78	31.5	0.212	**0.25**	0.31	**0.37**	0.11
836.6	190	GPRS (2)	Rear	15	/	30.68	31.5	0.262	**0.32**	0.359	**0.43**	-0.05
824.2	128	GPRS (2)	Rear	15	/	30.48	31.5	0.181	**0.23**	0.26	**0.33**	-0.01
836.6	190	EGPRS (2)	Rear	15	/	30.68	31.5	0.191	**0.23**	0.28	**0.34**	-0.03
836.6	190	GPRS (2)	Rear	15	**Note1**	30.68	31.5	0.204	**0.25**	0.292	**0.35**	-0.07
836.6	190	GPRS (2)	Rear	15	**Note2**	30.68	31.5	0.146	**0.18**	0.214	**0.26**	0.00

Main antenna – Second Modem

Frequency		Mode (number of timeslots)	Test Position	D (mm)	Figure No.or mode	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.											
836.6	190	GPRS (4)	Front	10	/	27.33	27.5	0.044	**0.05**	0.073	**0.08**	0.12
848.8	251	GPRS (4)	Rear	10	/	27.39	27.5	0.061	**0.06**	0.106	**0.11**	0.08
836.6	190	GPRS (4)	Rear	10	/	27.33	27.5	0.066	**0.07**	0.115	**0.12**	0.01
824.2	128	GPRS (4)	Rear	10	/	27.17	27.5	0.068	**0.07**	0.119	**0.13**	0.00
836.6	190	GPRS (4)	Left	10	/	27.33	27.5	0.012	**0.01**	0.018	**0.02**	0.04
836.6	190	GPRS (4)	Right	10	/	27.33	27.5	0.059	**0.06**	0.090	**0.09**	0.16

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836.6	190	GPRS (4)	Bottoom	10	/	27.33	27.5	0.026	**0.03**	0.051	**0.05**	-0.08
824.2	128	EGPRS (4)	Rear	10	/	27.16	27.5	0.044	**0.05**	0.077	**0.08**	0.11
824.2	128	GPRS (4)	Rear	10	**Note1**	27.17	27.5	0.070	**0.08**	0.107	**0.12**	0.03
824.2	128	GPRS (4)	Rear	10	**Note2**	27.17	27.5	0.066	**0.07**	0.097	**0.10**	0.09
836.6	190	GPRS (4)	Front	15	/	27.33	27.5	0.033	**0.03**	0.046	**0.05**	0.12
848.8	251	GPRS (4)	Rear	15	/	27.39	27.5	0.038	**0.04**	0.053	**0.05**	0.04
836.6	190	GPRS (4)	Rear	15	/	27.33	27.5	0.034	**0.04**	0.051	**0.05**	-0.02
824.2	128	GPRS (4)	Rear	15	/	27.17	27.5	0.055	**0.06**	0.071	**0.08**	0.04
824.2	128	EGPRS (4)	Rear	15	/	27.16	27.5	0.030	**0.03**	0.042	**0.05**	-0.12
824.2	128	GPRS (4)	Rear	15	**Note1**	27.17	27.5	0.045	**0.05**	0.063	**0.07**	0.02
824.2	128	GPRS (4)	Rear	15	**Note2**	27.17	27.5	0.041	**0.04**	0.058	**0.06**	-0.08

Note1: SAR Values For Battery of HB366481ECW (Sunwoda Electronic Co.,Ltd. (ATL)).

Note2: SAR Values For Battery of HB366481ECW ((ATL) 650 SCUD (Fujian) Electronics Co.,Lted).

Note3: SAR Values For SIM2.

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

Main antenna – Main Modem											
Frequency		Side	Test Position	Figure No.or mode	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.										
1880	661	Left	Touch	/	30.29	31	0.080	**0.09**	0.135	**0.16**	0.11
1880	661	Left	Tilt	/	30.29	31	0.047	**0.06**	0.083	**0.10**	0.10
1909.8	810	Right	Touch	/	30.08	31	0.122	**0.15**	0.224	**0.28**	0.05
1880	661	Right	Touch	/	30.29	31	0.143	**0.17**	0.264	**0.31**	-0.01
1850.2	512	Right	Touch	/	30.49	31	0.171	**0.19**	0.276	**0.31**	-0.13
1880	661	Right	Tilt	/	30.29	31	0.034	**0.04**	0.057	**0.07**	-0.10
GPRS(4TXslots) with Simultaneous transmission of Main antenna+Second antenna											
Frequency		Side	Test Position	Figure No.or mode	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.										
1880	661	Left	Touch	/	25.68	26	0.116	**0.12**	0.199	**0.21**	0.01
1880	661	Left	Tilt	/	25.68	26	0.066	**0.07**	0.118	**0.13**	-0.06
1909.8	810	Right	Touch	/	25.52	26	0.155	**0.17**	0.286	**0.32**	0.03
1880	661	Right	Touch	/	25.68	26	0.193	**0.21**	0.335	**0.36**	-0.01
1850.2	512	Right	Touch	/	26.00	26	0.227	**0.23**	0.366	**0.37**	0.14
1880	661	Right	Tilt	/	25.68	26	0.046	**0.05**	0.085	**0.09**	0.09
1850.2	512	Right	Touch	EGPRS	26.00	26	0.224	**0.22**	0.362	**0.36**	0.16
1850.2	512	Right	Touch	**Note1**	26.00	26	0.151	**0.15**	0.266	**0.27**	0.11
1850.2	512	Right	Touch	**Note2**	26.00	26	0.167	**0.17**	0.292	**0.29**	0.10
1850.2	512	Right	Touch	**Note3**	26.00	26	0.165	**0.17**	0.291	**0.29**	0.13

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Second antenna – Second Modem											
Frequency		Side	Test Position	Figure No.or mode	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.										
1880	661	Left	Touch	/	29.71	30.3	0.277	**0.32**	0.480	**0.55**	0.07
1880	661	Left	Tilt	/	29.71	30.3	0.352	**0.40**	0.598	**0.69**	-0.04
1909.8	810	Right	Touch	Fig.4	29.58	30.3	0.647	**0.76**	1.21	**1.43**	0.05
1880	661	Right	Touch	/	29.71	30.3	0.635	**0.73**	1.16	**1.33**	0.17
1850.2	512	Right	Touch	/	29.69	30.3	0.612	**0.70**	1.11	**1.28**	0.04
1909.8	810	Right	Tilt	/	29.58	30.3	0.548	**0.65**	0.983	**1.16**	0.01
1880	661	Right	Tilt	/	29.71	30.3	0.459	**0.53**	0.880	**1.01**	0.16
1850.2	512	Right	Tilt	/	29.69	30.3	0.460	**0.53**	0.809	**0.93**	-0.02
1909.8	810	Right	Touch	**Note1**	29.58	30.3	0.651	**0.77**	1.19	**1.40**	0.14
1909.8	810	Right	Touch	**Note2**	29.58	30.3	0.545	**0.64**	0.965	**1.14**	-0.02
Power Reduction for GPRS(2TXslots) with Simultaneous transmission of Main antenna+Second antenna											
Frequency		Side	Test Position	Figure No.or mode	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.										
1880	661	Left	Touch	/	24.92	25	0.213	**0.22**	0.332	**0.34**	0.02
1880	661	Left	Tilt	/	24.92	25	0.167	**0.17**	0.280	**0.29**	0.09
1909.8	810	Right	Touch	/	24.93	25	0.396	**0.40**	0.693	**0.70**	-0.04
1880	661	Right	Touch	/	24.92	25	0.358	**0.36**	0.636	**0.65**	-0.11
1850.2	512	Right	Touch	/	24.92	25	0.368	**0.37**	0.666	**0.68**	0.08
1880	661	Right	Tilt	/	24.92	25	0.271	**0.28**	0.484	**0.49**	-0.03
1909.8	810	Right	Touch	EGPRS	24.92	25	0.386	**0.39**	0.690	**0.70**	0.06
Power Reduction with Simultaneous transmission of Main antenna+Second antenna+WLAN antenna											
Frequency		Side	Test Position	Figure No.or mode	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.										
1880	661	Left	Touch	/	26.97	27	0.196	**0.20**	0.314	**0.32**	0.01
1880	661	Left	Tilt	/	26.97	27	0.145	**0.15**	0.252	**0.25**	0.06
1909.8	810	Right	Touch	/	27	27	0.326	**0.33**	0.588	**0.59**	-0.06
1880	661	Right	Touch	/	26.97	27	0.334	**0.34**	0.590	**0.59**	0.10
1850.2	512	Right	Touch	/	26.91	27	0.313	**0.32**	0.563	**0.57**	0.09
1880	661	Right	Tilt	/	26.97	27	0.233	**0.23**	0.419	**0.42**	-0.10
Second antenna – Main Modem											
Frequency		Side	Test Position	Figure No.or mode	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.										
1880	661	Left	Touch	/	30.69	31	0.274	**0.29**	0.446	**0.48**	-0.06
1880	661	Left	Tilt	/	30.69	31	0.166	**0.18**	0.295	**0.32**	0.07
1909.8	810	Right	Touch	/	30.51	31	0.547	**0.61**	0.996	**1.11**	0.14
1880	661	Right	Touch	/	30.69	31	0.59	**0.63**	1.07	**1.15**	0.10

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1850.2	512	Right	Touch	/	30.83	31	0.617	**0.64**	1.12	**1.16**	0.06
1880	661	Right	Tilt	/	30.69	31	0.326	**0.35**	0.604	**0.65**	0.12
1850.2	512	Right	Touch	**Note1**	30.83	31	0.573	**0.60**	1.04	**1.08**	0.05
1850.2	512	Right	Touch	**Note2**	30.83	31	0.598	**0.62**	1.09	**1.13**	-0.09

Power Reduciton for GPRS(2TXslots) with Simultaneous transmission of Main antenna+Second antenna

Frequency		Side	Test Position	Figure No.or mode	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.										
1880	661	Left	Touch	/	26.31	26.5	0.26	**0.27**	0.426	**0.45**	-0.16
1880	661	Left	Tilt	/	26.31	26.5	0.194	**0.20**	0.32	**0.33**	-0.06
1909.8	810	Right	Touch	/	25.9	26.5	0.544	**0.62**	1.02	**1.17**	0.19
1880	661	Right	Touch	/	26.31	26.5	0.588	**0.61**	1.08	**1.13**	0.10
1850.2	512	Right	Touch	/	26.32	26.5	0.645	**0.67**	1.11	**1.16**	-0.09
1880	661	Right	Tilt	/	26.31	26.5	0.403	**0.42**	0.702	**0.73**	0.13
1850.2	512	Right	Touch	EGPRS	26.32	26.5	0.637	**0.66**	1.1	**1.15**	0.02
1850.2	512	Right	Touch	**Note1**	26.32	26.5	0.596	**0.62**	1.06	**1.10**	0.12
1850.2	512	Right	Touch	**Note2**	26.32	26.5	0.613	**0.64**	1.1	**1.15**	0.16

Main antenna – Second Modem

Frequency		Side	Test Position	Figure No.or mode	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.										
1909.8	810	Left	Touch	/	30.38	31	0.042	**0.05**	0.067	**0.08**	0.09
1880	661	Left	Touch	/	30.33	31	0.031	**0.04**	0.055	**0.06**	0.06
1850.2	512	Left	Touch	/	30.32	31	0.031	**0.04**	0.054	**0.06**	0.11
1880	661	Left	Tilt	/	30.33	31	0.010	**0.01**	0.017	**0.02**	0.18
1880	661	Right	Touch	/	30.33	31	0.016	**0.02**	0.026	**0.03**	0.13
1880	661	Right	Tilt	/	30.33	31	0.009	**0.01**	0.017	**0.02**	0.14
1909.8	810	Left	Touch	**Note1**	30.38	31	0.035	**0.04**	0.062	**0.07**	0.11
1909.8	810	Left	Touch	**Note2**	30.38	31	0.021	**0.02**	0.037	**0.04**	0.13

Power Reduction for GPRS(2TXslots) with Simultaneous transmission of Main antenna+Second antenna

Frequency		Side	Test Position	Figure No.or mode	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.										
1909.8	810	Left	Touch	/	28.16	29	0.019	**0.02**	0.033	**0.04**	0.13
1880	661	Left	Touch	/	28.11	29	0.018	**0.02**	0.031	**0.04**	0.10
1850.2	512	Left	Touch	/	28.12	29	0.022	**0.03**	0.035	**0.04**	0.08
1880	661	Left	Tilt	/	28.11	29	0.005	**0.01**	0.009	**0.01**	0.04
1880	661	Right	Touch	/	28.11	29	0.010	**0.01**	0.016	**0.02**	0.16
1880	661	Right	Tilt	/	28.11	29	0.007	**0.01**	0.014	**0.02**	0.15
1850.2	512	Left	Touch	EGPRS	28.12	29	0.022	**0.03**	0.035	**0.04**	0.08

Note1: SAR Values For Battery of HB366481ECW ((sony) Huizhou Desay Battery Co., Ltd.).

Note2: SAR Values For Battery of HB366481ECW ((ATL) 650 SCUD (Fujian) Electronics Co.,Lted).

Note3: dynamic antenna tuning is working.

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

Main antenna – Main Modem												
Frequency		Mode (number of timeslots)	Test Position	D (mm)	Figure No.or mode	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.											
1880	661	GPRS (4)	Front	10	/	25.68	26	0.245	**0.26**	0.453	**0.49**	-0.11
1909.8	810	GPRS (4)	Rear	10	Fig.5	25.52	26	0.348	**0.39**	0.695	**0.78**	-0.04
1880	661	GPRS (4)	Rear	10	/	25.68	26	0.322	**0.35**	0.622	**0.67**	0.11
1850.2	512	GPRS (4)	Rear	10	/	26.00	26	0.234	**0.23**	0.440	**0.44**	0.10
1880	661	GPRS (4)	Left	10	/	25.68	26	0.004	**0.00**	0.009	**0.01**	0.08
1880	661	GPRS (4)	Right	10	/	25.68	26	0.188	**0.20**	0.337	**0.36**	-0.09
1880	661	GPRS (4)	Bottom	10	/	25.68	26	0.211	**0.23**	0.418	**0.45**	0.11
1909.8	810	EGPRS (4)	Rear	10	/	25.51	26	0.342	**0.38**	0.681	**0.76**	-0.10
1909.8	810	GPRS (4)	Rear	10	**Note1**	25.52	26	0.309	**0.35**	0.620	**0.69**	-0.10
1909.8	810	GPRS (4)	Rear	10	**Note2**	25.52	26	0.329	**0.37**	0.637	**0.71**	-0.05
1909.8	810	GPRS (4)	Rear	10	**Note3**	25.52	26	0.277	**0.31**	0.544	**0.61**	-0.14
1909.8	810	GPRS (4)	Rear	10	**Note4**	25.52	26	0.260	**0.29**	0.493	**0.55**	0.19
1880	661	GPRS (4)	Front	15	/	25.68	26	0.100	**0.11**	0.174	**0.19**	-0.01
1909.8	810	GPRS (4)	Rear	15	/	25.52	26	0.118	**0.13**	0.211	**0.24**	0.03
1880	661	GPRS (4)	Rear	15	/	25.68	26	0.139	**0.15**	0.245	**0.26**	-0.11
1850.2	512	GPRS (4)	Rear	15	Fig.6	26.00	26	0.145	**0.15**	0.255	**0.26**	0.16
1850.2	512	EGPRS (4)	Rear	15	/	26.00	26	0.142	**0.14**	0.250	**0.25**	0.07
1850.2	512	GPRS (4)	Rear	15	**Note1**	26.00	26	0.139	**0.14**	0.252	**0.25**	0.07
1850.2	512	GPRS (4)	Rear	15	**Note2**	26.00	26	0.097	**0.10**	0.179	**0.18**	-0.07
1850.2	512	GPRS (4)	Rear	15	**Note3**	26.00	26	0.139	**0.14**	0.245	**0.25**	-0.03
Second antenna – Second Modem												
Frequency		Mode (number of timeslots)	Test Position	D (mm)	Figure No.or mode	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.											
1880	661	GPRS (2)	Front	10	/	27.22	28	0.128	**0.15**	0.211	**0.25**	-0.01
1880	661	GPRS (2)	Rear	10	/	27.22	28	0.158	**0.19**	0.244	**0.29**	-0.09
1909.8	810	GPRS (2)	Left	10	/	27.22	28	0.180	**0.22**	0.297	**0.36**	0.02
1880	661	GPRS (2)	Left	10	/	27.22	28	0.181	**0.22**	0.307	**0.37**	0.04
1850.2	512	GPRS (2)	Left	10	/	27.19	28	0.173	**0.21**	0.295	**0.36**	-0.10
1880	661	GPRS (2)	Top	10	/	27.22	28	0.130	**0.16**	0.247	**0.30**	0.06
1880	661	EGPRS (2)	Left	10	/	27.22	28	0.178	**0.21**	0.300	**0.36**	-0.01
1880	661	GPRS (2)	Left	10	**Note1**	27.22	28	0.179	**0.21**	0.301	**0.36**	0.11
1880	661	GPRS (2)	Left	10	**Note2**	27.22	28	0.142	**0.17**	0.240	**0.29**	0.13
1880	661	GPRS (2)	Front	15	/	27.22	28	0.068	**0.08**	0.099	**0.12**	-0.12
1909.8	810	GPRS (2)	Rear	15	/	27.22	28	0.074	**0.09**	0.108	**0.13**	-0.18
1880	661	GPRS (2)	Rear	15	/	27.22	28	0.079	**0.09**	0.114	**0.14**	0.09

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1850.2	512	GPRS (2)	Rear	15	/	27.19	28	0.081	**0.10**	0.121	**0.15**	-0.10
1850.2	512	EGPRS (2)	Rear	15	/	27.19	28	0.080	**0.10**	0.119	**0.14**	-0.06
1850.2	512	GPRS (2)	Rear	15	**Note1**	27.19	28	0.079	**0.10**	0.118	**0.14**	0.03
1850.2	512	GPRS (2)	Rear	15	**Note2**	27.19	28	0.058	**0.07**	0.087	**0.10**	-0.04
Power Reduction with Simultaneous transmission of Main antenna+Second antenna+WLAN antenna												
Frequency		Mode (number of timeslots)	Test Position	D (mm)	Figure No.or mode	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.											
1880	661	GPRS (2)	Front	10	/	24.92	25	0.094	**0.10**	0.166	**0.17**	0.01
1880	661	GPRS (2)	Rear	10	/	24.92	25	0.117	**0.12**	0.186	**0.19**	-0.02
1909.8	810	GPRS (2)	Left	10	/	24.93	25	0.127	**0.13**	0.218	**0.22**	-0.08
1880	661	GPRS (2)	Left	10	/	24.92	25	0.135	**0.14**	0.231	**0.24**	0.00
1850.2	512	GPRS (2)	Left	10	/	24.92	25	0.125	**0.13**	0.214	**0.22**	-0.12
1880	661	GPRS (2)	Top	10	/	24.92	25	0.087	**0.09**	0.161	**0.16**	0.07
1880	661	EGPRS (2)	Left	10	/	24.92	25	0.130	**0.13**	0.225	**0.23**	0.05
1880	661	GPRS (2)	Left	10	**Note1**	24.92	25	0.130	**0.13**	0.223	**0.23**	-0.12
1880	661	GPRS (2)	Left	10	**Note2**	24.92	25	0.119	**0.12**	0.206	**0.21**	-0.15
1880	661	GPRS (2)	Front	15	/	24.92	25	0.045	**0.05**	0.068	**0.07**	0.09
1909.8	810	GPRS (2)	Rear	15	/	24.93	25	0.055	**0.06**	0.084	**0.09**	-0.11
1880	661	GPRS (2)	Rear	15	/	24.92	25	0.050	**0.05**	0.076	**0.08**	-0.15
1850.2	512	GPRS (2)	Rear	15	/	24.92	25	0.053	**0.05**	0.078	**0.08**	-0.04
1909.8	810	EGPRS (2)	Rear	15	/	24.92	25	0.054	**0.05**	0.080	**0.08**	0.07
1909.8	810	GPRS (2)	Rear	15	**Note1**	24.93	25	0.053	**0.05**	0.079	**0.08**	-0.09
1909.8	810	GPRS (2)	Rear	15	**Note2**	24.93	25	0.047	**0.05**	0.070	**0.07**	-0.12
Second antenna – Main Modem												
Frequency		Mode (number of timeslots)	Test Position	D (mm)	Figure No.or mode	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.											
1880	661	GPRS (4)	Front	10	/	27.18	27.5	0.124	**0.13**	0.202	**0.22**	-0.02
1880	661	GPRS (4)	Rear	10	/	27.18	27.5	0.147	**0.16**	0.251	**0.27**	0.04
1909.8	810	GPRS (4)	Left	10	/	27	27.5	0.123	**0.14**	0.215	**0.24**	-0.01
1880	661	GPRS (4)	Left	10	/	27.18	27.5	0.154	**0.17**	0.27	**0.29**	-0.03
1850.2	512	GPRS (4)	Left	10	/	27.48	27.5	0.194	**0.19**	0.321	**0.32**	0.05
1880	661	GPRS (4)	Top	10	/	27.18	27.5	0.102	**0.11**	0.194	**0.21**	0.10
1850.2	512	EGPRS (4)	Left	10	/	27.48	27.5	0.193	**0.19**	0.319	**0.32**	-0.02
1850.2	512	GPRS (4)	Left	10	**Note1**	27.48	27.5	0.183	**0.18**	0.318	**0.32**	0.04
1850.2	512	GPRS (4)	Left	10	**Note2**	27.48	27.5	0.156	**0.16**	0.268	**0.27**	0.05
1880	661	GPRS (4)	Front	15	/	25.47	26	0.064	**0.07**	0.106	**0.12**	0.09
1909.8	810	GPRS (4)	Rear	15	/	25.38	26	0.081	**0.09**	0.134	**0.15**	0.17
1880	661	GPRS (4)	Rear	15	/	25.47	26	0.073	**0.08**	0.122	**0.14**	0.13
1850.2	512	GPRS (4)	Rear	15	/	25.76	26	0.095	**0.10**	0.146	**0.15**	0.09

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1850.2	512	EGPRS (4)	Rear	15	/	25.76	26	0.090	**0.10**	0.139	**0.15**	0.02
1850.2	512	GPRS (4)	Rear	15	**Note1**	25.76	26	0.087	**0.09**	0.143	**0.15**	0.01
1850.2	512	GPRS (4)	Rear	15	**Note2**	25.76	26	0.085	**0.09**	0.140	**0.15**	0.09
Main antenna – Second Modem												
Frequency		Mode (number of timeslots)	Test Position	D (mm)	Figure No.or mode	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.											
1880	661	GPRS (2)	Front	10	/	28.11	29	0.069	**0.08**	0.133	**0.16**	0.08
1909.8	810	GPRS (2)	Rear	10	/	28.16	29	0.115	**0.14**	0.237	**0.29**	0.03
1880	661	GPRS (2)	Rear	10	/	28.11	29	0.100	**0.12**	0.201	**0.25**	-0.01
1850.2	512	GPRS (2)	Rear	10	/	28.12	29	0.099	**0.12**	0.200	**0.24**	-0.06
1880	661	GPRS (2)	Left	10	/	28.11	29	0.050	**0.06**	0.087	**0.11**	0.07
1880	661	GPRS (2)	Right	10	/	28.11	29	0.016	**0.02**	0.032	**0.04**	-0.13
1880	661	GPRS (2)	Bottom	10	/	28.11	29	0.050	**0.06**	0.109	**0.13**	0.09
1909.8	810	EGPRS (2)	Rear	10	/	28.15	29	0.114	**0.14**	0.236	**0.29**	-0.11
1909.8	810	GPRS (2)	Rear	10	**Note1**	28.16	29	0.111	**0.13**	0.233	**0.28**	-0.15
1909.8	810	GPRS (2)	Rear	10	**Note2**	28.16	29	0.100	**0.12**	0.204	**0.25**	-0.09
1880	661	GPRS (2)	Front	15	/	28.11	29	0.023	**0.03**	0.046	**0.06**	-0.01
1909.8	810	GPRS (2)	Rear	15	/	28.16	29	0.038	**0.05**	0.075	**0.09**	0.07
1880	661	GPRS (2)	Rear	15	/	28.11	29	0.029	**0.04**	0.059	**0.07**	-0.09
1850.2	512	GPRS (2)	Rear	15	/	28.12	29	0.031	**0.04**	0.064	**0.08**	0.11
1909.8	810	EGPRS (2)	Rear	15	/	28.15	29	0.036	**0.04**	0.074	**0.09**	-0.06
1909.8	810	GPRS (2)	Rear	15	**Note1**	28.16	29	0.035	**0.04**	0.073	**0.09**	-0.03
1909.8	810	GPRS (2)	Rear	15	**Note2**	28.16	29	0.030	**0.04**	0.063	**0.08**	0.00

Note1: SAR Values For Battery of HB366481ECW ((sony) Huizhou Desay Battery Co., Ltd.).
Note2: SAR Values For Battery of HB366481ECW ((ATL) 650 SCUD (Fujian) Electronics Co.,Lted).
Note3: dynamic antenna tuning is not working.
Note4: SAR Values For SIM2.

Table 14.1-5: SAR Values (WCDMA 850 MHz Band - Head)

Main antenna – Main Modem											
Frequency		Side	Test Position	Figure No.	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(10g) (W/kg)	Reported SAR(10g) (W/kg)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift (dB)
MHz	Ch.										
836.4	4182	Left	Touch	/	23.72	24.5	0.135	**0.16**	0.198	**0.24**	0.01
836.4	4182	Left	Tilt	/	23.72	24.5	0.094	**0.11**	0.139	**0.17**	0.06
846.6	4233	Right	Touch	/	23.80	24.5	0.196	**0.23**	0.256	**0.30**	0.11
836.4	4182	Right	Touch	/	23.72	24.5	0.162	**0.19**	0.237	**0.28**	-0.17
826.4	4132	Right	Touch	/	23.83	24.5	0.142	**0.17**	0.208	**0.24**	0.13
836.4	4182	Right	Tilt	/	23.72	24.5	0.093	**0.11**	0.144	**0.17**	0.08
846.6	4233	Right	Touch	**Note1**	23.80	24.5	0.155	**0.18**	0.226	**0.27**	-0.17
846.6	4233	Right	Touch	**Note2**	23.80	24.5	0.118	**0.14**	0.173	**0.20**	0.11

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Second antenna – Main Modem											
Frequency		Side	Test Position	Figure No.	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(10g) (W/kg)	Reported SAR(10g) (W/kg)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift (dB)
MHz	Ch.										
836.4	4182	Left	Touch	/	23.73	24.5	0.351	**0.42**	0.531	**0.63**	0.01
836.4	4182	Left	Tilt	/	23.73	24.5	0.349	**0.42**	0.542	**0.65**	0.08
846.6	4233	Right	Touch	Fig.7	23.85	24.5	0.574	**0.67**	1.11	**1.29**	-0.04
836.4	4182	Right	Touch	/	23.73	24.5	0.617	**0.74**	1	**1.19**	0.17
826.4	4132	Right	Touch	/	23.79	24.5	0.557	**0.66**	0.908	**1.07**	0.05
846.6	4233	Right	Tilt	/	23.85	24.5	0.480	**0.56**	0.826	**0.96**	0.06
836.4	4182	Right	Tilt	/	23.73	24.5	0.451	**0.54**	0.766	**0.91**	0.03
826.4	4132	Right	Tilt	/	23.79	24.5	0.407	**0.48**	0.695	**0.82**	0.00
846.6	4233	Right	Touch	**Note1**	23.85	24.5	0.579	**0.67**	0.967	**1.12**	0.14
846.6	4233	Right	Touch	**Note2**	23.85	24.5	0.553	**0.64**	0.912	**1.06**	-0.06
846.6	4233	Right	Touch	**Note3**	23.85	24.5	0.610	**0.71**	1.040	**1.21**	-0.02

Note1: SAR Values For Battery of HB366481ECW ((sony) Huizhou Desay Battery Co., Ltd.).
Note2: SAR Values For Battery of HB366481ECW ((ATL) 650 SCUD (Fujian) Electronics Co.,Lted).
Note3: SAR Values For SIM2.

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

Main antenna – Main Modem											
Frequency		Test Position	D (mm)	Figure No.	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(10g) (W/kg)	Reported SAR(10g) (W/kg)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift (dB)
MHz	Ch.										
836.4	4182	Front	10	/	23.72	24.5	0.140	**0.17**	0.200	**0.24**	0.02
846.6	4233	Rear	10	/	23.80	24.5	0.182	**0.21**	0.316	**0.37**	0.03
836.4	4182	Rear	10	/	23.72	24.5	0.187	**0.22**	0.307	**0.37**	0.01
826.4	4132	Rear	10	/	23.83	24.5	0.173	**0.20**	0.283	**0.33**	0.00
836.4	4182	Left	10	/	23.72	24.5	0.073	**0.09**	0.109	**0.13**	-0.05
836.4	4182	Right	10	/	23.72	24.5	0.117	**0.14**	0.174	**0.21**	0.00
836.4	4182	Bottom	10	/	23.72	24.5	0.073	**0.09**	0.129	**0.15**	-0.04
846.6	4233	Rear	10	**Note1**	23.80	24.5	0.184	**0.22**	0.298	**0.35**	-0.04
846.6	4233	Rear	10	**Note2**	23.80	24.5	0.178	**0.21**	0.262	**0.31**	0.05
836.4	4182	Front	15	/	23.72	24.5	0.124	**0.15**	0.175	**0.21**	0.02
846.6	4233	Rear	15	/	23.80	24.5	0.115	**0.14**	0.163	**0.19**	0.00
836.4	4182	Rear	15	/	23.72	24.5	0.126	**0.15**	0.178	**0.21**	0.00
826.4	4132	Rear	15	Fig.9	23.83	24.5	0.150	**0.18**	0.194	**0.23**	-0.01
826.4	4132	Rear	15	**Note1**	23.83	24.5	0.132	**0.15**	0.187	**0.22**	-0.02
826.4	4132	Rear	15	**Note2**	23.83	24.5	0.113	**0.13**	0.160	**0.19**	0.09

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Second antenna – Main Modem											
Frequency		Test Position	D (mm)	Figure No.	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(10g) (W/kg)	Reported SAR(10g) (W/kg)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift (dB)
MHz	Ch.										
836.4	4182	Front	10	/	23.23	24	0.172	**0.21**	0.265	**0.32**	0.03
846.6	4233	Rear	10	Fig.8	23.2	24	0.196	**0.24**	0.352	**0.42**	0.04
836.4	4182	Rear	10	/	23.23	24	0.172	**0.21**	0.278	**0.33**	-0.04
826.4	4132	Rear	10	/	23.26	24	0.153	**0.18**	0.248	**0.29**	-0.03
836.4	4182	Left	10	/	23.23	24	0.160	**0.19**	0.237	**0.28**	0.00
836.4	4182	Top	10	/	23.23	24	0.128	**0.15**	0.231	**0.28**	0.09
846.6	4233	Rear	10	**Note1**	23.2	24	0.192	**0.23**	0.299	**0.36**	-0.02
846.6	4233	Rear	10	**Note2**	23.2	24	0.129	**0.16**	0.200	**0.24**	0.07
836.4	4182	Front	15	/	23.73	24.5	0.060	**0.07**	0.089	**0.11**	0.01
846.6	4233	Rear	15	/	23.82	24.5	0.087	**0.10**	0.116	**0.14**	-0.05
836.4	4182	Rear	15	/	23.73	24.5	0.070	**0.08**	0.102	**0.12**	0.05
826.4	4132	Rear	15	/	23.79	24.5	0.073	**0.09**	0.097	**0.11**	0.06
846.6	4233	Rear	15	**Note1**	23.82	24.5	0.073	**0.09**	0.105	**0.12**	-0.01
846.6	4233	Rear	15	**Note2**	23.82	24.5	0.070	**0.08**	0.102	**0.12**	0.02

Note1: SAR Values For Battery of HB366481ECW ((sony) Huizhou Desay Battery Co., Ltd.).

Note2: SAR Values For Battery of HB366481ECW ((ATL) 650 SCUD (Fujian) Electronics Co.,Lted).

Table 14.1-7: SAR Values (WCDMA 1700 MHz Band - Head)

Main antenna – Main Modem											
Frequency		Side	Test Position	Figure No.	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(10g) (W/kg)	Reported SAR(10g) (W/kg)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift (dB)
MHz	Ch.										
1732.4	1637	Left	Touch	/	23.49	24	0.213	**0.24**	0.348	**0.39**	0.04
1732.4	1637	Left	Tilt	/	23.49	24	0.102	**0.11**	0.164	**0.18**	0.12
1752.6	1738	Right	Touch	/	23.56	24	0.309	**0.34**	0.539	**0.60**	0.02
1732.4	1637	Right	Touch	/	23.49	24	0.369	**0.41**	0.584	**0.66**	-0.15
1712.4	1537	Right	Touch	/	23.51	24	0.300	**0.34**	0.523	**0.59**	0.11
1732.4	1637	Right	Tilt	/	23.49	24	0.095	**0.11**	0.149	**0.17**	0.15
1732.4	1637	Right	Touch	**Note1**	23.49	24	0.296	**0.33**	0.504	**0.57**	0.12
1732.4	1637	Right	Touch	**Note2**	23.49	24	0.210	**0.24**	0.353	**0.40**	0.17
1732.4	1637	Right	Touch	**Note3**	23.49	24	0.303	**0.34**	0.536	**0.60**	0.08
Second antenna – Main Modem											
Frequency		Side	Test Position	Figure No.	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(10g) (W/kg)	Reported SAR(10g) (W/kg)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift (dB)
MHz	Ch.										
1732.4	1637	Left	Touch	/	23.43	23.5	0.206	**0.21**	0.331	**0.34**	0.06
1732.4	1637	Left	Tilt	/	23.43	23.5	0.189	**0.19**	0.306	**0.31**	0.10
1752.6	1738	Right	Touch	/	23.47	23.5	0.719	**0.72**	1.23	**1.24**	0.03
1732.4	1637	Right	Touch	Fig.10	23.43	23.5	0.724	**0.74**	1.25	**1.27**	0.08

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1712.4	1537	Right	Touch	/	23.48	23.5	0.671	**0.67**	1.15	**1.16**	0.14
1752.6	1738	Right	Tilt	/	23.47	23.5	0.537	**0.54**	0.933	**0.94**	0.08
1732.4	1637	Right	Tilt	/	23.43	23.5	0.524	**0.53**	0.970	**0.99**	0.10
1712.4	1537	Right	Tilt	/	23.48	23.5	0.465	**0.47**	0.809	**0.81**	0.04
1752.6	1738	Right	Touch	**Note1**	23.47	23.5	0.610	**0.61**	1.1	**1.11**	0.03
1752.6	1738	Right	Touch	**Note2**	23.47	23.5	0.501	**0.50**	0.967	**0.97**	0.03
1732.4	1637	Right	Touch	**Note1**	23.43	23.5	0.717	**0.73**	1.23	**1.25**	0.00
1732.4	1637	Right	Touch	**Note2**	23.43	23.5	0.497	**0.51**	0.928	**0.94**	0.09

Note1: SAR Values For Battery of HB366481ECW ((sony) Huizhou Desay Battery Co., Ltd.).

Note2: SAR Values For Battery of HB366481ECW ((ATL) 650 SCUD (Fujian) Electronics Co.,Lted).

Note3: dynamic antenna tuning is working.

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

Main antenna – Main Modem											
Frequency		Test Position	D (mm)	Figure No.	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(10g) (W/kg)	Reported SAR(10g) (W/kg)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift (dB)
MHz	Ch.										
1732.4	1637	Front	10	/	22.99	23.5	0.274	**0.31**	0.465	**0.52**	0.11
1752.6	1738	Rear	10	/	23.25	23.5	0.289	**0.31**	0.512	**0.54**	0.04
1732.4	1637	Rear	10	Fig.11	22.99	23.5	0.296	**0.33**	0.521	**0.59**	-0.09
1712.4	1537	Rear	10	/	23.01	23.5	0.283	**0.32**	0.505	**0.57**	0.12
1732.4	1637	Left	10	/	22.99	23.5	0.046	**0.05**	0.077	**0.09**	-0.01
1732.4	1637	Right	10	/	22.99	23.5	0.182	**0.20**	0.311	**0.35**	0.08
1732.4	1637	Bottom	10	/	22.99	23.5	0.111	**0.12**	0.213	**0.24**	0.02
1732.4	1637	Rear	10	**Note1**	22.99	23.5	0.298	**0.34**	0.515	**0.58**	-0.01
1732.4	1637	Rear	10	**Note2**	22.99	23.5	0.290	**0.33**	0.498	**0.56**	0.06
1732.4	1637	Rear	10	**Note3**	22.99	23.5	0.294	**0.33**	0.502	**0.56**	-0.07
1732.4	1637	Rear	10	**Note4**	22.99	23.5	0.217	**0.24**	0.364	**0.41**	-0.08
1732.4	1637	Front	15	/	23.49	24	0.138	**0.16**	0.237	**0.27**	0.11
1752.6	1738	Rear	15	Fig.12	23.56	24	0.167	**0.18**	0.287	**0.32**	-0.12
1732.4	1637	Rear	15	/	23.49	24	0.158	**0.18**	0.274	**0.31**	0.08
1712.4	1537	Rear	15	/	23.51	24	0.153	**0.17**	0.269	**0.30**	-0.01
1752.6	1738	Rear	15	**Note1**	23.56	24	0.156	**0.17**	0.273	**0.30**	0.02
1752.6	1738	Rear	15	**Note2**	23.56	24	0.132	**0.15**	0.226	**0.25**	-0.04
1752.6	1738	Rear	15	**Note5**	23.56	24	0.158	**0.17**	0.262	**0.29**	0.06
Second antenna – Main Modem											
Frequency		Test Position	D (mm)	Figure No.	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(10g) (W/kg)	Reported SAR(10g) (W/kg)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift (dB)
MHz	Ch.										
836.4	4182	Front	10	/	21.48	22	0.152	**0.17**	0.250	**0.28**	-0.07
836.4	4182	Rear	10	/	21.48	22	0.183	**0.21**	0.297	**0.33**	0.03
846.6	4233	Left	10	/	21.54	22	0.221	**0.25**	0.379	**0.42**	0.01
836.4	4182	Left	10	/	21.48	22	0.191	**0.22**	0.336	**0.38**	-0.05
826.4	4132	Left	10	/	21.57	22	0.160	**0.18**	0.282	**0.31**	0.02

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836.4	4182	Top	10	/	21.48	22	0.150	**0.17**	0.279	**0.31**	0.01
846.6	4233	Left	10	**Note1**	21.54	22	0.172	**0.19**	0.303	**0.34**	-0.05
846.6	4233	Left	10	**Note2**	21.54	22	0.195	**0.22**	0.342	**0.38**	0.03
836.4	4182	Front	15	/	23.53	24	0.075	**0.08**	0.121	**0.13**	-0.04
846.6	4233	Rear	15	/	23.57	24	0.103	**0.11**	0.164	**0.18**	0.00
836.4	4182	Rear	15	/	23.53	24	0.093	**0.10**	0.152	**0.17**	0.07
826.4	4132	Rear	15	/	23.58	24	0.085	**0.09**	0.136	**0.15**	0.01
846.6	4233	Rear	15	**Note1**	23.57	24	0.093	**0.10**	0.153	**0.17**	-0.01
846.6	4233	Rear	15	**Note2**	23.57	24	0.069	**0.08**	0.113	**0.12**	0.05

Note1: SAR Values For Battery of HB366481ECW ((sony) Huizhou Desay Battery Co., Ltd.).
Note2: SAR Values For Battery of HB366481ECW ((ATL) 650 SCUD (Fujian) Electronics Co.,Lted).
Note3: dynamic antenna tuning is working.
Note4: SAR Values for SIM2.
Note5: dynamic antenna tuning is not working.

Table 14.1-9: SAR Values (WCDMA 1900 MHz Band - Head)

Main antenna – Main Modem											
Frequency		Side	Test Position	Figure No.	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(10g) (W/kg)	Reported SAR(10g) (W/kg)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift (dB)
MHz	Ch.										
1880	9800	Left	Touch	/	23.49	24	0.110	**0.12**	0.185	**0.21**	0.02
1880	9800	Left	Tilt	/	23.49	24	0.086	**0.10**	0.146	**0.16**	0.06
1907.6	9938	Right	Touch	/	23.52	24	0.196	**0.22**	0.349	**0.39**	0.13
1880	9800	Right	Touch	/	23.49	24	0.221	**0.25**	0.390	**0.44**	0.03
1852.4	9662	Right	Touch	/	23.35	24	0.247	**0.29**	0.392	**0.46**	0.17
1880	9800	Right	Tilt	/	23.49	24	0.062	**0.07**	0.106	**0.12**	0.09
1852.4	9662	Right	Touch	**Note1**	23.35	24	0.227	**0.26**	0.390	**0.45**	0.05
1852.4	9662	Right	Touch	**Note2**	23.35	24	0.185	**0.21**	0.319	**0.37**	0.09
1852.4	9662	Right	Touch	**Note3**	23.35	24	0.216	**0.25**	0.375	**0.44**	0.11
Second antenna – Main Modem											
Frequency		Side	Test Position	Figure No.	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(10g) (W/kg)	Reported SAR(10g) (W/kg)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift (dB)
MHz	Ch.										
1880	9800	Left	Touch	/	23.52	24	0.255	**0.28**	0.416	**0.46**	-0.07
1880	9800	Left	Tilt	/	23.52	24	0.208	**0.23**	0.342	**0.38**	-0.06
1907.6	9938	Right	Touch	Fig.13	23.56	24	0.561	**0.62**	1.03	**1.14**	0.11
1880	9800	Right	Touch	/	23.52	24	0.564	**0.63**	0.988	**1.10**	0.08
1852.4	9662	Right	Touch	/	23.35	24	0.551	**0.64**	0.956	**1.11**	0.05
1880	9800	Right	Tilt	/	23.52	24	0.382	**0.43**	0.688	**0.77**	0.07
1907.6	9938	Right	Touch	**Note1**	23.56	24	0.582	**0.64**	1.02	**1.13**	0.01
1907.6	9938	Right	Touch	**Note2**	23.56	24	0.585	**0.65**	1.02	**1.13**	0.04

Note1: SAR Values For Battery of HB366481ECW ((sony) Huizhou Desay Battery Co., Ltd.).
Note2: SAR Values For Battery of HB366481ECW ((ATL) 650 SCUD (Fujian) Electronics Co.,Lted).
Note3: dynamic antenna tuning is working.

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Table 14.1-10: SAR Values (WCDMA 1900 MHz Band - Body)

Main antenna – Main Modem											
Frequency		Test Position	D (mm)	Figure No.	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(10g) (W/kg)	Reported SAR(10g) (W/kg)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift (dB)
MHz	Ch.										
1880	9800	Front	10	/	21.01	21.5	0.131	**0.15**	0.273	**0.31**	0.03
1907.6	9938	Rear	10	/	21.10	21.5	0.252	**0.28**	0.484	**0.53**	0.07
1880	9800	Rear	10	Fig.14	21.01	21.5	0.281	**0.31**	0.550	**0.62**	0.03
1852.4	9662	Rear	10	/	20.88	21.5	0.247	**0.28**	0.480	**0.55**	-0.13
1880	9800	Left	10	/	21.01	21.5	0.036	**0.04**	0.061	**0.07**	-0.01
1880	9800	Right	10	/	21.01	21.5	0.129	**0.14**	0.223	**0.25**	0.15
1880	9800	Bottom	10	/	21.01	21.5	0.186	**0.21**	0.364	**0.41**	0.13
1880	9800	Rear	10	**Note1**	21.01	21.5	0.235	**0.26**	0.441	**0.49**	0.09
1880	9800	Rear	10	**Note2**	21.01	21.5	0.144	**0.16**	0.259	**0.29**	0.08
1880	9800	Rear	10	**Note3**	21.01	21.5	0.266	**0.30**	0.522	**0.58**	0.11
1880	9800	Front	15	/	23.49	24	0.146	**0.16**	0.247	**0.28**	0.03
1907.6	9938	Rear	15	Fig.15	23.52	24	0.238	**0.27**	0.442	**0.49**	0.12
1880	9800	Rear	15	/	23.49	24	0.197	**0.22**	0.361	**0.41**	0.04
1852.4	9662	Rear	15	/	23.35	24	0.178	**0.21**	0.315	**0.37**	-0.02
1907.6	9938	Rear	15	**Note1**	23.52	24	0.206	**0.23**	0.382	**0.43**	0.05
1907.6	9938	Rear	15	**Note2**	23.52	24	0.201	**0.22**	0.374	**0.42**	0.14
1907.6	9938	Rear	15	**Note4**	23.52	24	0.176	**0.20**	0.306	**0.34**	0.05
Second antenna – Main Modem											
Frequency		Test Position	D (mm)	Figure No.	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(10g) (W/kg)	Reported SAR(10g) (W/kg)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift (dB)
MHz	Ch.										
1880	9800	Front	10	/	19.55	20	0.076	**0.08**	0.127	**0.14**	-0.02
1880	9800	Rear	10	/	19.55	20	0.097	**0.11**	0.159	**0.18**	0.11
1907.6	9938	Left	10	/	19.58	20	0.086	**0.10**	0.152	**0.17**	0.03
1880	9800	Left	10	/	19.55	20	0.092	**0.10**	0.162	**0.18**	-0.01
1852.4	9662	Left	10	/	19.39	20	0.102	**0.12**	0.168	**0.19**	-0.03
1880	9800	Top	10	/	19.55	20	0.066	**0.07**	0.130	**0.14**	0.05
1852.4	9662	Left	10	**Note1**	19.39	20	0.081	**0.09**	0.162	**0.19**	0.04
1852.4	9662	Left	10	**Note2**	19.39	20	0.084	**0.10**	0.163	**0.19**	-0.08
1880	9800	Front	15	/	23.52	24	0.041	**0.05**	0.069	**0.08**	0.01
1907.6	9938	Rear	15	/	23.56	24	0.065	**0.07**	0.107	**0.12**	0.10
1880	9800	Rear	15	/	23.52	24	0.062	**0.07**	0.102	**0.11**	0.03
1852.4	9662	Rear	15	/	23.35	24	0.077	**0.09**	0.118	**0.14**	0.09
1852.4	9662	Rear	15	**Note1**	23.35	24	0.060	**0.07**	0.100	**0.12**	0.07
1852.4	9662	Rear	15	**Note2**	23.35	24	0.065	**0.08**	0.106	**0.12**	-0.11

Note1: SAR Values For Battery of HB366481ECW ((sony) Huizhou Desay Battery Co., Ltd.).
Note2: SAR Values For Battery of HB366481ECW ((ATL) 650 SCUD (Fujian) Electronics Co.,Lted).
Note3: dynamic antenna tuning is working. **Note4: dynamic antenna tuning is not working.**

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Table 14.1-11: SAR Values (LTE Band4 - Head)

Main antenna – Main Modem												
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)
MHz	Ch.											
1732.5	20175	1RB_Mid	Left	Touch	/	23.78	24	0.228	**0.24**	0.371	**0.39**	0.12
1732.5	20175	1RB_Mid	Left	Tilt	/	23.78	24	0.111	**0.12**	0.180	**0.19**	0.04
1732.5	20175	1RB_Mid	Right	Touch	/	23.78	24	0.379	**0.40**	0.604	**0.64**	0.12
1732.5	20175	1RB_Mid	Right	Tilt	/	23.78	24	0.122	**0.13**	0.196	**0.21**	0.05
1732.5	20175	50RB_Mid	Left	Touch	/	23.26	24	0.185	**0.22**	0.300	**0.36**	-0.11
1732.5	20175	50RB_Mid	Left	Tilt	/	23.26	24	0.084	**0.10**	0.138	**0.16**	0.16
1732.5	20175	50RB_Mid	Right	Touch	/	23.26	24	0.294	**0.35**	0.519	**0.62**	0.03
1732.5	20175	50RB_Mid	Right	Tilt	/	23.26	24	0.089	**0.11**	0.144	**0.17**	0.02
1732.5	20175	1RB_Mid	Right	Touch	**Note1**	23.78	24	0.262	**0.28**	0.463	**0.49**	0.11
1732.5	20175	1RB_Mid	Right	Touch	**Note2**	23.78	24	0.188	**0.20**	0.334	**0.35**	-0.02
1732.5	20175	1RB_Mid	Right	Touch	**Note3**	23.78	24	0.333	**0.35**	0.557	**0.59**	0.04
Second antenna – Main Modem												
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)
MHz	Ch.											
1732.5	20175	1RB_Mid	Left	Touch	/	24.14	24.5	0.252	**0.27**	0.418	**0.45**	0.09
1732.5	20175	1RB_Mid	Left	Tilt	/	24.14	24.5	0.249	**0.27**	0.425	**0.46**	0.07
1745	20300	1RB_Mid	Right	Touch	/	23.99	24.5	0.615	**0.69**	1.06	**1.19**	0.04
1732.5	20175	1RB_Mid	Right	Touch	Fig.16	24.14	24.5	0.634	**0.69**	1.1	**1.20**	0.13
1720	20050	1RB_Mid	Right	Touch	/	23.79	24.5	0.543	**0.64**	0.932	**1.10**	0.11
1745	20300	1RB_Mid	Right	Tilt	/	23.99	24.5	0.448	**0.50**	0.814	**0.92**	0.09
1732.5	20175	1RB_Mid	Right	Tilt	/	24.14	24.5	0.439	**0.48**	0.752	**0.82**	-0.04
1720	20050	1RB_Mid	Right	Tilt	/	23.79	24.5	0.376	**0.44**	0.709	**0.83**	0.02
1732.5	20175	50RB_Mid	Left	Touch	/	22.98	24	0.199	**0.25**	0.331	**0.42**	0.04
1732.5	20175	50RB_Mid	Left	Tilt	/	22.98	24	0.187	**0.24**	0.320	**0.40**	0.04
1745	20300	50RB_Mid	Right	Touch	/	22.86	24	0.490	**0.64**	0.847	**1.10**	0.05
1732.5	20175	50RB_Mid	Right	Touch	/	22.98	24	0.478	**0.60**	0.828	**1.05**	-0.03
1720	20050	50RB_Mid	Right	Touch	/	22.77	24	0.392	**0.52**	0.672	**0.89**	0.11
1732.5	20175	50RB_Mid	Right	Tilt	/	22.98	24	0.331	**0.42**	0.562	**0.71**	-0.02
1732.5	20175	100RB	Right	Touch	/	22.87	24	0.512	**0.66**	0.909	**1.18**	0.05
1732.5	20175	100RB	Right	Tilt	/	22.87	24	0.350	**0.45**	0.615	**0.80**	0.09
1732.5	20175	1RB_Mid	Right	Touch	**Note1**	24.14	24.5	0.538	**0.58**	0.949	**1.03**	0.11
1732.5	20175	1RB_Mid	Right	Touch	**Note2**	24.14	24.5	0.498	**0.54**	0.894	**0.97**	0.06

Note1: SAR Values For Battery of HB366481ECW ((sony) Huizhou Desay Battery Co., Ltd.).

Note2: SAR Values For Battery of HB366481ECW ((ATL) 650 SCUD (Fujian) Electronics Co.,Lted).

Note3: dynamic antenna tuning is working.

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Table 14.1-12: SAR Values (LTE Band4 - Body)

Main antenna – Main Modem												
Frequency		Mode	Test Position	D (mm)	Figure No.	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(10g) (W/kg)	Reported SAR(10g) (W/kg)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift (dB)
MHz	Ch.											
1732.5	20175	1RB_Mid	Front	10	/	23.31	23.5	0.230	**0.24**	0.398	**0.42**	0.02
1732.5	20175	1RB_Mid	Rear	10	Fig.17	23.31	23.5	0.241	**0.25**	0.417	**0.44**	-0.04
1732.5	20175	1RB_Mid	Left	10	/	23.31	23.5	0.041	**0.04**	0.070	**0.07**	0.04
1732.5	20175	1RB_Mid	Right	10	/	23.31	23.5	0.175	**0.18**	0.300	**0.31**	-0.03
1732.5	20175	1RB_Mid	Bottom	10	/	23.31	23.5	0.098	**0.10**	0.187	**0.20**	0.06
1732.5	20175	50RB_Mid	Front	10	/	22.48	23	0.184	**0.21**	0.319	**0.36**	0.14
1732.5	20175	50RB_Mid	Rear	10	/	22.48	23	0.231	**0.26**	0.394	**0.44**	0.12
1732.5	20175	50RB_Mid	Left	10	/	22.48	23	0.033	**0.04**	0.055	**0.06**	-0.12
1732.5	20175	50RB_Mid	Right	10	/	22.48	23	0.142	**0.16**	0.244	**0.28**	0.08
1732.5	20175	50RB_Mid	Bottom	10	/	22.48	23	0.082	**0.09**	0.156	**0.18**	0.04
1732.5	20175	1RB_Mid	Rear	10	**Note1**	23.31	23.5	0.246	**0.26**	0.405	**0.42**	-0.02
1732.5	20175	1RB_Mid	Rear	10	**Note2**	23.31	23.5	0.238	**0.25**	0.388	**0.41**	-0.06
1732.5	20175	1RB_Mid	Rear	10	**Note3**	23.31	23.5	0.219	**0.23**	0.377	**0.39**	0.00
1732.5	20175	1RB_Mid	Front	15	/	23.78	24	0.179	**0.19**	0.286	**0.30**	0.11
1732.5	20175	1RB_Mid	Rear	15	Fig.18	23.78	24	0.209	**0.22**	0.351	**0.37**	-0.19
1732.5	20175	50RB_Mid	Front	15	/	23.26	24	0.143	**0.17**	0.229	**0.27**	0.08
1732.5	20175	50RB_Mid	Rear	15	/	23.26	24	0.151	**0.18**	0.253	**0.30**	0.04
1732.5	20175	1RB_Mid	Rear	15	**Note1**	23.78	24	0.189	**0.20**	0.317	**0.33**	-0.06
1732.5	20175	1RB_Mid	Rear	15	**Note2**	23.78	24	0.187	**0.20**	0.312	**0.33**	0.15
1732.5	20175	1RB_Mid	Rear	15	**Note4**	23.78	24	0.161	**0.17**	0.261	**0.27**	-0.01
Second antenna – Main Modem												
Frequency		Mode	Test Position	D (mm)	Figure No.	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(10g) (W/kg)	Reported SAR(10g) (W/kg)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift (dB)
MHz	Ch.											
1732.5	20175	1RB_Mid	Front	10	/	21.54	22	0.124	**0.14**	0.209	**0.23**	0.17
1732.5	20175	1RB_Mid	Rear	10	/	21.54	22	0.137	**0.15**	0.220	**0.24**	-0.05
1732.5	20175	1RB_Mid	Left	10	/	21.54	22	0.122	**0.14**	0.210	**0.23**	-0.03
1732.5	20175	1RB_Mid	Top	10	/	21.54	22	0.144	**0.16**	0.268	**0.30**	0.00
1732.5	20175	50RB_Mid	Front	10	/	20.43	21.5	0.098	**0.13**	0.164	**0.21**	0.07
1732.5	20175	50RB_Mid	Rear	10	/	20.43	21.5	0.111	**0.14**	0.177	**0.23**	0.03
1732.5	20175	50RB_Mid	Left	10	/	20.43	21.5	0.096	**0.12**	0.166	**0.21**	-0.02
1732.5	20175	50RB_Mid	Top	10	/	20.43	21.5	0.105	**0.13**	0.202	**0.26**	0.10
1732.5	20175	1RB_Mid	Top	10	**Note1**	21.54	22	0.115	**0.13**	0.217	**0.24**	0.03
1732.5	20175	1RB_Mid	Top	10	**Note2**	21.54	22	0.121	**0.13**	0.229	**0.25**	0.03
1732.5	20175	1RB_Mid	Front	15	/	24.14	24.5	0.043	**0.05**	0.073	**0.08**	0.12
1732.5	20175	1RB_Mid	Rear	15	/	24.14	24.5	0.048	**0.05**	0.085	**0.09**	0.15

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1732.5	20175	50RB_Mid	Front	15	/	22.98	24	0.034	**0.04**	0.058	**0.07**	-0.01
1732.5	20175	50RB_Mid	Rear	15	/	22.98	24	0.043	**0.05**	0.075	**0.09**	-0.01
1732.5	20175	1RB_Mid	Rear	15	**Note1**	24.14	24.5	0.049	**0.05**	0.084	**0.09**	0.07
1732.5	20175	1RB_Mid	Rear	15	**Note2**	24.14	24.5	0.031	**0.03**	0.053	**0.06**	-0.09

Note1: SAR Values For Battery of HB366481ECW ((sony) Huizhou Desay Battery Co., Ltd.).
Note2: SAR Values For Battery of HB366481ECW ((ATL) 650 SCUD (Fujian) Electronics Co.,Lted).
Note3: dynamic antenna tuning is working.
Note4: dynamic antenna tuning is not working.

Table 14.1-13: SAR Values (LTE Band7 - Head)

Main antenna – Main Modem												
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)
MHz	Ch.											
2535	21100	1RB_Mid	Left	Touch	/	23.68	24.5	0.208	**0.25**	0.393	**0.48**	0.08
2535	21100	1RB_Mid	Left	Tilt	/	23.68	24.5	0.045	**0.05**	0.086	**0.10**	0.01
2535	21100	1RB_Mid	Right	Touch	/	23.68	24.5	0.112	**0.14**	0.207	**0.25**	0.12
2535	21100	1RB_Mid	Right	Tilt	/	23.68	24.5	0.070	**0.08**	0.142	**0.17**	-0.10
2535	21100	50RB_Mid	Left	Touch	/	22.64	23.5	0.153	**0.19**	0.294	**0.36**	-0.01
2535	21100	50RB_Mid	Left	Tilt	/	22.64	23.5	0.038	**0.05**	0.074	**0.09**	-0.06
2535	21100	50RB_Mid	Right	Touch	/	22.64	23.5	0.076	**0.09**	0.139	**0.17**	0.11
2535	21100	50RB_Mid	Right	Tilt	/	22.64	23.5	0.058	**0.07**	0.119	**0.15**	-0.15
2535	21100	1RB_Mid	Left	Touch	**Note1**	23.68	24.5	0.181	**0.22**	0.346	**0.42**	-0.11
2535	21100	1RB_Mid	Left	Touch	**Note2**	23.68	24.5	0.189	**0.23**	0.361	**0.44**	0.02
2535	21100	1RB_Mid	Left	Touch	**Note3**	23.68	24.5	0.190	**0.23**	0.368	**0.44**	-0.08
Second antenna – Main Modem												
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)
MHz	Ch.											
2560	21350	1RB_Mid	Left	Touch	/	24	24.5	0.131	**0.15**	0.252	**0.28**	0.00
2560	21350	1RB_Mid	Left	Tilt	/	24	24.5	0.142	**0.16**	0.298	**0.33**	0.11
2560	21350	1RB_Mid	Right	Touch	/	24	24.5	0.413	**0.46**	0.891	**1.00**	-0.14
2535	21100	1RB_Mid	Right	Touch	Fig.19	23.95	24.5	0.504	**0.57**	1.09	**1.24**	0.13
2510	20850	1RB_Mid	Right	Touch	/	23.84	24.5	0.410	**0.48**	0.880	**1.02**	0.15
2560	21350	1RB_Mid	Right	Tilt	/	24	24.5	0.379	**0.43**	0.825	**0.93**	0.15
2535	21100	1RB_Mid	Right	Tilt	/	23.95	24.5	0.422	**0.48**	0.881	**1.00**	0.16
2510	20850	1RB_Mid	Right	Tilt	/	23.84	24.5	0.319	**0.37**	0.648	**0.75**	0.12
2535	21100	50RB_Low	Left	Touch	/	22.96	23.5	0.115	**0.13**	0.220	**0.25**	0.14
2535	21100	50RB_Low	Left	Tilt	/	22.96	23.5	0.125	**0.14**	0.263	**0.30**	0.11
2560	21350	50RB_Low	Right	Touch	/	22.75	23.5	0.319	**0.38**	0.620	**0.74**	0.05
2535	21100	50RB_Low	Right	Touch	/	22.96	23.5	0.389	**0.44**	0.765	**0.87**	0.13

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2510	20850	50RB_Low	Right	Touch	/	22.64	23.5	0.340	**0.41**	0.649	**0.79**	0.19
2535	21100	50RB_Low	Right	Tilt	/	22.96	23.5	0.294	**0.33**	0.612	**0.69**	0.14
2560	21350	100RB	Right	Touch	/	22.9	23.5	0.387	**0.44**	0.750	**0.86**	0.14
2560	21350	100RB	Right	Tilt	/	22.9	23.5	0.318	**0.37**	0.641	**0.74**	0.11
2535	21100	1RB_Mid	Right	Touch	**Note1**	23.95	24.5	0.508	**0.58**	0.991	**1.12**	0.10
2535	21100	1RB_Mid	Right	Touch	**Note2**	23.95	24.5	0.412	**0.47**	0.821	**0.93**	0.13

Note1: SAR Values For Battery of HB366481ECW ((sony) Huizhou Desay Battery Co., Ltd.).
Note2: SAR Values For Battery of HB366481ECW ((ATL) 650 SCUD (Fujian) Electronics Co.,Lted).
Note3: dynamic antenna tuning is not working.

Table 14.1-14: SAR Values (LTE Band7 - Body)

Main antenna – Main Modem												
Frequency		Mode	Test Position	D (mm)	Figure No.	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(10g) (W/kg)	Reported SAR(10g) (W/kg)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift (dB)
MHz	Ch.											
2560	21350	1RB_Mid	Front	10	/	21.96	22.5	0.096	**0.11**	0.175	**0.20**	0.13
2560	21350	1RB_Mid	Rear	10	Fig.20	21.96	22.5	0.128	**0.14**	0.236	**0.27**	0.01
2560	21350	1RB_Mid	Left	10	/	21.90	22.5	0.119	**0.14**	0.232	**0.27**	0.03
2560	21350	1RB_Mid	Right	10	/	21.83	22.5	0.090	**0.11**	0.173	**0.20**	-0.01
2560	21350	1RB_Mid	Bottom	10	/	21.96	22.5	0.080	**0.09**	0.145	**0.16**	-0.10
2535	21100	50RB_Mid	Front	10	/	21.96	22.5	0.028	**0.03**	0.053	**0.06**	0.11
2535	21100	50RB_Mid	Rear	10	/	21.96	22.5	0.067	**0.08**	0.132	**0.15**	0.09
2535	21100	50RB_Mid	Left	10	/	21.00	21.5	0.059	**0.07**	0.110	**0.12**	-0.02
2535	21100	50RB_Mid	Right	10	/	21.00	21.5	0.080	**0.09**	0.160	**0.18**	-0.05
2535	21100	50RB_Mid	Bottom	10	/	21.00	21.5	0.051	**0.06**	0.095	**0.11**	-0.16
2560	21350	1RB_Mid	Rear	10	**Note1**	21.00	21.5	0.036	**0.04**	0.069	**0.08**	0.03
2560	21350	1RB_Mid	Rear	10	**Note2**	21.00	21.5	0.054	**0.06**	0.105	**0.12**	-0.01
2560	21350	1RB_Mid	Rear	10	**Note3**	21.96	22.5	0.122	**0.14**	0.232	**0.26**	0.05
2535	21100	1RB_Mid	Front	15	/	23.68	24.5	0.076	**0.09**	0.130	**0.16**	0.09
2535	21100	1RB_Mid	Rear	15	Fig.21	23.68	24.5	0.093	**0.11**	0.169	**0.20**	-0.18
2535	21100	50RB_Mid	Front	15	/	22.64	23.5	0.050	**0.06**	0.087	**0.11**	0.03
2535	21100	50RB_Mid	Rear	15	/	22.64	23.5	0.059	**0.07**	0.108	**0.13**	-0.02
2535	21100	1RB_Mid	Rear	15	**Note1**	23.68	24.5	0.087	**0.11**	0.158	**0.19**	-0.15
2535	21100	1RB_Mid	Rear	15	**Note2**	23.68	24.5	0.087	**0.11**	0.165	**0.20**	-0.09
2535	21100	1RB_Mid	Rear	15	**Note3**	23.68	24.5	0.083	**0.10**	0.152	**0.18**	-0.01
Second antenna – Main Modem												
Frequency		Mode	Test Position	D (mm)	Figure No.	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(10g) (W/kg)	Reported SAR(10g) (W/kg)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift (dB)
MHz	Ch.											
2560	21350	1RB_Mid	Front	10	/	18.24	18.5	0.093	**0.10**	0.173	**0.18**	-0.13
2560	21350	1RB_Mid	Rear	10	/	18.24	18.5	0.116	**0.12**	0.222	**0.24**	0.01

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2560	21350	1RB_Mid	Left	10	/	18.24	18.5	0.106	**0.11**	0.209	**0.22**	0.05
2560	21350	1RB_Mid	Top	10	/	18.24	18.5	0.040	**0.04**	0.094	**0.10**	-0.01
2560	21350	50RB_High	Front	10	/	16.99	17.5	0.083	**0.09**	0.154	**0.17**	0.10
2560	21350	50RB_High	Rear	10	/	16.99	17.5	0.101	**0.11**	0.185	**0.21**	-0.09
2560	21350	50RB_High	Left	10	/	16.99	17.5	0.078	**0.09**	0.153	**0.17**	0.06
2560	21350	50RB_High	Top	10	/	16.99	17.5	0.030	**0.03**	0.069	**0.08**	0.14
2560	21350	1RB_Mid	Rear	10	**Note1**	18.24	18.5	0.119	**0.13**	0.218	**0.23**	-0.11
2560	21350	1RB_Mid	Rear	10	**Note2**	18.24	18.5	0.096	**0.10**	0.173	**0.18**	0.15
2560	21350	1RB_Mid	Front	15	/	24	24.5	0.033	**0.04**	0.058	**0.06**	0.07
2560	21350	1RB_Mid	Rear	15	/	24	24.5	0.050	**0.06**	0.092	**0.10**	0.07
2535	21100	50RB_Low	Front	15	/	22.96	23.5	0.031	**0.04**	0.056	**0.06**	0.16
2535	21100	50RB_Low	Rear	15	/	22.96	23.5	0.032	**0.04**	0.059	**0.07**	0.07
2560	21350	1RB_Mid	Rear	15	**Note1**	24	24.5	0.034	**0.04**	0.062	**0.07**	0.17
2560	21350	1RB_Mid	Rear	15	**Note2**	24	24.5	0.026	**0.03**	0.046	**0.05**	0.13

Note1: SAR Values For Battery of HB366481ECW ((sony) Huizhou Desay Battery Co., Ltd.).
Note2: SAR Values For Battery of HB366481ECW ((ATL) 650 SCUD (Fujian) Electronics Co.,Lted).
Note3: dynamic antenna tuning is working.

Table 14.1-15: SAR Values (LTE Band38 - Head)

Main antenna – Main Modem												
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)
MHz	Ch.											
2610	38150	1RB_Mid	Left	Touch	/	24.73	25	0.096	**0.10**	0.189	**0.20**	0.13
2610	38150	1RB_Mid	Left	Tilt	/	24.73	25	0.034	**0.04**	0.068	**0.07**	0.04
2610	38150	1RB_Mid	Right	Touch	/	24.73	25	0.054	**0.06**	0.101	**0.11**	0.14
2610	38150	1RB_Mid	Right	Tilt	/	24.73	25	0.035	**0.04**	0.074	**0.08**	-0.06
2610	38150	50RB_High	Left	Touch	/	23.66	24	0.082	**0.09**	0.161	**0.17**	-0.10
2610	38150	50RB_High	Left	Tilt	/	23.66	24	0.029	**0.03**	0.056	**0.06**	-0.03
2610	38150	50RB_High	Right	Touch	/	23.66	24	0.049	**0.05**	0.093	**0.10**	0.11
2610	38150	50RB_High	Right	Tilt	/	23.66	24	0.030	**0.03**	0.063	**0.07**	-0.01
2610	38150	1RB_Mid	Left	Touch	**Note1**	24.73	25	0.077	**0.08**	0.148	**0.16**	0.03
2610	38150	1RB_Mid	Left	Touch	**Note2**	24.73	25	0.089	**0.09**	0.173	**0.18**	0.10
2610	38150	1RB_Mid	Left	Touch	**Note3**	24.73	25	0.094	**0.10**	0.184	**0.20**	0.04
Second antenna – Main Modem												
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)
MHz	Ch.											
2595	38000	1RB_Mid	Left	Touch	/	24.7	25	0.085	**0.09**	0.154	**0.17**	0.12
2595	38000	1RB_Mid	Left	Tilt	/	24.7	25	0.078	**0.08**	0.156	**0.17**	0.15
2595	38000	1RB_Mid	Right	Touch	Fig.22	24.7	25	0.327	**0.35**	0.702	**0.75**	0.12

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2595	38000	1RB_Mid	Right	Tilt	/	24.7	25	0.286	**0.31**	0.633	**0.68**	0.14
2610	38150	50RB_High	Left	Touch	/	23.61	24	0.074	**0.08**	0.136	**0.15**	0.14
2610	38150	50RB_High	Left	Tilt	/	23.61	24	0.067	**0.07**	0.135	**0.15**	0.10
2610	38150	50RB_High	Right	Touch	/	23.61	24	0.267	**0.29**	0.540	**0.59**	0.00
2610	38150	50RB_High	Right	Tilt	/	23.61	24	0.226	**0.25**	0.501	**0.55**	0.01
2595	38000	1RB_Mid	Right	Touch	**Note1**	24.7	25	0.277	**0.30**	0.566	**0.61**	0.07
2595	38000	1RB_Mid	Right	Touch	**Note2**	24.7	25	0.283	**0.30**	0.570	**0.61**	0.15

Note1: SAR Values For Battery of HB366481ECW ((sony) Huizhou Desay Battery Co., Ltd.).

Note2: SAR Values For Battery of HB366481ECW ((ATL) 650 SCUD (Fujian) Electronics Co.,Lted).

Note3: dynamic antenna tuning is working.

Table 14.1-16: SAR Values (LTE Band38 - Body)

Main antenna – Main Modem												
Frequency		Mode	Test Position	D (mm)	Figure No.	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(10g) (W/kg)	Reported SAR(10g) (W/kg)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift (dB)
MHz	Ch.											
2595	38000	1RB_Mid	Front	10	/	23.24	24	0.064	**0.08**	0.116	**0.14**	-0.08
2595	38000	1RB_Mid	Rear	10	Fig.23	23.24	24	0.075	**0.09**	0.141	**0.17**	-0.05
2595	38000	1RB_Mid	Left	10	/	23.24	24	0.056	**0.07**	0.100	**0.12**	0.11
2595	38000	1RB_Mid	Right	10	/	23.24	24	0.011	**0.01**	0.022	**0.03**	-0.10
2595	38000	1RB_Mid	Bottom	10	/	23.24	24	0.039	**0.05**	0.078	**0.09**	-0.11
2595	38000	50RB_Mid	Front	10	/	23.00	23	0.056	**0.06**	0.102	**0.10**	0.15
2595	38000	50RB_Mid	Rear	10	/	23.00	23	0.071	**0.07**	0.133	**0.13**	-0.10
2595	38000	50RB_Mid	Left	10	/	23.00	23	0.053	**0.05**	0.096	**0.10**	0.03
2595	38000	50RB_Mid	Right	10	/	23.00	23	0.010	**0.01**	0.021	**0.02**	0.11
2595	38000	50RB_Mid	Bottom	10	/	23.00	23	0.038	**0.04**	0.071	**0.07**	-0.07
2595	38000	1RB_Mid	Rear	10	**Note1**	23.24	24	0.075	**0.09**	0.137	**0.16**	-0.12
2595	38000	1RB_Mid	Rear	10	**Note2**	23.24	24	0.066	**0.08**	0.125	**0.15**	-0.05
2595	38000	1RB_Mid	Rear	10	**Note3**	23.24	24	0.067	**0.08**	0.127	**0.15**	-0.01
2610	38150	1RB_Mid	Front	15	/	24.73	25	0.050	**0.05**	0.087	**0.09**	0.01
2610	38150	1RB_Mid	Rear	15	Fig.24	24.73	25	0.054	**0.06**	0.098	**0.10**	0.09
2610	38150	50RB_High	Front	15	/	23.66	24	0.040	**0.04**	0.072	**0.08**	0.09
2610	38150	50RB_High	Rear	15	/	23.66	24	0.041	**0.04**	0.075	**0.08**	0.11
2610	38150	1RB_Mid	Rear	15	**Note1**	24.73	25	0.044	**0.05**	0.081	**0.09**	-0.01
2610	38150	1RB_Mid	Rear	15	**Note2**	24.73	25	0.045	**0.05**	0.082	**0.09**	-0.05
2610	38150	1RB_Mid	Rear	15	**Note3**	24.73	25	0.046	**0.05**	0.084	**0.09**	-0.15
Second antenna – Main Modem												
Frequency		Mode	Test Position	D (mm)	Figure No.	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(10g) (W/kg)	Reported SAR(10g) (W/kg)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift (dB)
MHz	Ch.											
2595	38000	1RB_Mid	Front	10	/	18.53	19	0.049	**0.05**	0.090	**0.10**	-0.11

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2595	38000	1RB_Mid	Rear	10	/	18.53	19	0.057	**0.06**	0.113	**0.13**	-0.10
2595	38000	1RB_Mid	Left	10	/	18.53	19	0.051	**0.06**	0.101	**0.11**	0.06
2595	38000	1RB_Mid	Top	10	/	18.53	19	0.021	**0.02**	0.046	**0.05**	0.10
2610	38150	50RB_High	Front	10	/	17.36	18	0.041	**0.05**	0.076	**0.09**	-0.06
2610	38150	50RB_High	Rear	10	/	17.36	18	0.040	**0.05**	0.075	**0.09**	0.04
2610	38150	50RB_High	Left	10	/	17.36	18	0.044	**0.05**	0.085	**0.10**	0.08
2610	38150	50RB_High	Top	10	/	17.36	18	0.020	**0.02**	0.043	**0.05**	0.02
2595	38000	1RB_Mid	Rear	10	**Note1**	18.53	19	0.022	**0.02**	0.038	**0.04**	-0.06
2595	38000	1RB_Mid	Rear	10	**Note2**	18.53	19	0.046	**0.05**	0.089	**0.10**	0.16
2595	38000	1RB_Mid	Front	15	/	24.7	25	0.023	**0.02**	0.042	**0.05**	0.18
2595	38000	1RB_Mid	Rear	15	/	24.7	25	0.025	**0.03**	0.048	**0.05**	-0.07
2610	38150	50RB_High	Front	15	/	23.61	24	0.017	**0.02**	0.031	**0.03**	0.09
2610	38150	50RB_High	Rear	15	/	23.61	24	0.024	**0.03**	0.045	**0.05**	-0.09
2595	38000	1RB_Mid	Rear	15	**Note1**	24.7	25	0.025	**0.03**	0.047	**0.05**	0.10
2595	38000	1RB_Mid	Rear	15	**Note2**	24.7	25	0.019	**0.02**	0.035	**0.04**	-0.06

Note1: SAR Values For Battery of HB366481ECW ((sony) Huizhou Desay Battery Co., Ltd.).
Note2: SAR Values For Battery of HB366481ECW ((ATL) 650 SCUD (Fujian) Electronics Co.,Lted).
Note3: dynamic antenna tuning is working.

Table 14.1-17: SAR Values (LTE Band41 - Head)

Main antenna – Main Modem												
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)
MHz	Ch.											
2645	41140	1RB_Mid	Left	Touch	/	23.20	24	0.131	**0.16**	0.259	**0.31**	0.07
2645	41140	1RB_Mid	Left	Tilt	/	23.20	24	0.024	**0.03**	0.054	**0.06**	-0.08
2645	41140	1RB_Mid	Right	Touch	/	23.20	24	0.067	**0.08**	0.126	**0.15**	0.01
2645	41140	1RB_Mid	Right	Tilt	/	23.20	24	0.042	**0.05**	0.093	**0.11**	0.06
2645	41140	50RB_Mid	Left	Touch	/	23.17	23.5	0.112	**0.12**	0.218	**0.24**	0.14
2645	41140	50RB_Mid	Left	Tilt	/	23.17	23.5	0.024	**0.03**	0.048	**0.05**	-0.09
2645	41140	50RB_Mid	Right	Touch	/	23.17	23.5	0.060	**0.06**	0.111	**0.12**	0.01
2645	41140	50RB_Mid	Right	Tilt	/	23.17	23.5	0.037	**0.04**	0.084	**0.09**	0.10
2645	41140	1RB_Mid	Left	Touch	**Note1**	23.20	24	0.107	**0.13**	0.209	**0.25**	-0.02
2645	41140	1RB_Mid	Left	Touch	**Note2**	23.20	24	0.105	**0.13**	0.205	**0.25**	0.16
2645	41140	1RB_Mid	Left	Touch	**Note3**	23.20	24	0.111	**0.13**	0.215	**0.26**	-0.12
Second antenna – Main Modem												
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)
MHz	Ch.											
2645	41140	1RB_Mid	Left	Touch	/	23.21	24	0.121	**0.15**	0.232	**0.28**	0.04
2645	41140	1RB_Mid	Left	Tilt	/	23.21	24	0.102	**0.12**	0.206	**0.25**	0.12

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2645	41140	1RB_Mid	Right	Touch	Fig.25	23.21	24	0.325	**0.39**	0.680	**0.82**	0.11
2605	40740	1RB_Mid	Right	Touch	/	23.11	24	0.307	**0.38**	0.605	**0.74**	0.06
2565	40340	1RB_Mid	Right	Touch	/	22.79	24	0.317	**0.42**	0.611	**0.81**	0.01
2645	41140	1RB_Mid	Right	Tilt	/	23.21	24	0.301	**0.36**	0.601	**0.72**	-0.04
2645	41140	50RB_ Mid	Left	Touch	/	23.17	23.5	0.117	**0.13**	0.226	**0.24**	0.18
2645	41140	50RB_ Mid	Left	Tilt	/	23.17	23.5	0.099	**0.11**	0.200	**0.22**	-0.02
2645	41140	50RB_ Mid	Right	Touch	/	23.17	23.5	0.315	**0.34**	0.638	**0.69**	0.09
2645	41140	50RB_ Mid	Right	Tilt	/	23.17	23.5	0.299	**0.32**	0.579	**0.62**	-0.01
2645	41140	100RB	Right	Touch	/	23.11	23.5	0.310	**0.34**	0.651	**0.71**	0.04
2645	41140	1RB_Mid	Right	Touch	**Note1**	23.21	24	0.280	**0.34**	0.561	**0.67**	0.08
2645	41140	1RB_Mid	Right	Touch	**Note2**	23.21	24	0.274	**0.33**	0.558	**0.67**	0.14

Note1: SAR Values For Battery of HB366481ECW ((sony) Huizhou Desay Battery Co., Ltd.).

Note2: SAR Values For Battery of HB366481ECW ((ATL) 650 SCUD (Fujian) Electronics Co.,Lted).

Note3: dynamic antenna tuning is working.

Table 14.1-18: SAR Values (LTE Band41 - Body)

Main antenna – Main Modem												
Frequency		Mode	Test Position	D (mm)	Figure No.	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(10g) (W/kg)	Reported SAR(10g) (W/kg)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift (dB)
MHz	Ch.											
2645	41140	1RB_Mid	Front	10	/	22.18	23	0.050	**0.06**	0.091	**0.11**	0.02
2645	41140	1RB_Mid	Rear	10	/	22.18	23	0.063	**0.08**	0.119	**0.14**	-0.11
2645	41140	1RB_Mid	Left	10	/	22.18	23	0.044	**0.05**	0.085	**0.10**	0.02
2645	41140	1RB_Mid	Right	10	/	22.18	23	0.009	**0.01**	0.019	**0.02**	-0.10
2645	41140	1RB_Mid	Bottom	10	/	22.18	23	0.023	**0.03**	0.047	**0.06**	0.09
2645	41140	50RB_Mid	Front	10	/	22.08	22.5	0.048	**0.05**	0.088	**0.10**	0.11
2645	41140	50RB_Mid	Rear	10	/	22.08	22.5	0.059	**0.06**	0.112	**0.12**	-0.05
2645	41140	50RB_Mid	Left	10	/	22.08	22.5	0.042	**0.05**	0.080	**0.09**	-0.12
2645	41140	50RB_Mid	Right	10	/	22.08	22.5	0.009	**0.01**	0.019	**0.02**	0.10
2645	41140	50RB_Mid	Bottom	10	/	22.08	22.5	0.022	**0.02**	0.047	**0.05**	0.14
2645	41140	1RB_Mid	Rear	10	**Note1**	22.18	23	0.062	**0.07**	0.115	**0.14**	0.08
2645	41140	1RB_Mid	Rear	10	**Note2**	22.18	23	0.038	**0.05**	0.073	**0.09**	0.02
2645	41140	1RB_Mid	Rear	10	**Note3**	22.18	23	0.061	**0.07**	0.112	**0.14**	0.01
2645	41140	1RB_Mid	Front	15	/	23.20	24	0.043	**0.05**	0.077	**0.09**	0.10
2645	41140	1RB_Mid	Rear	15	Fig.27	23.20	24	0.046	**0.06**	0.086	**0.10**	0.14
2645	41140	50RB_ Mid	Front	15	/	23.17	23.5	0.042	**0.05**	0.076	**0.08**	0.11
2645	41140	50RB_ Mid	Rear	15	/	23.17	23.5	0.045	**0.05**	0.083	**0.09**	0.16
2645	41140	1RB_Mid	Rear	15	**Note1**	23.20	24	0.044	**0.05**	0.081	**0.10**	-0.01
2645	41140	1RB_Mid	Rear	15	**Note2**	23.20	24	0.036	**0.04**	0.066	**0.08**	0.02
2645	41140	1RB_Mid	Rear	15	**Note3**	23.20	24	0.045	**0.05**	0.084	**0.10**	0.08

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