

Appendix E. Conducted Power Measurement Result

1. CONDUCTED POWER MEASUREMENTS OF GSM

GSM850		Max Burst Average Power (dBm)				Max Frame Average Power (dBm)			
		Max. Tune-up	Channel/Frequency(MHz)			Max. Tune-up	Channel/Frequency(MHz)		
			128/ 824.2	190/ 836.6	251/ 848.8		128/ 824.2	190/ 836.6	251/ 848.8
GPRS (GMSK)	1 Tx Slot	33.00	32.87	32.69	32.51	23.81	23.68	23.50	23.32
	2 Tx Slot	32.50	32.36	32.26	32.33	26.37	26.23	26.13	26.20
	3 Tx Slot	31.00	30.10	30.08	29.89	26.58	25.68	25.66	25.47
	4 Tx Slot	30.00	29.72	29.77	29.45	26.82	26.54	26.59	26.27
	1 Tx Slot	28.00	27.33	27.24	27.06	18.81	18.14	18.05	17.87
	2 Tx Slot	27.00	26.46	26.81	26.41	20.87	20.33	20.68	20.28
	3 Tx Slot	24.00	23.71	23.67	23.82	19.58	19.29	19.25	19.40
	4 Tx Slot	23.00	22.56	22.54	22.73	19.82	19.38	19.36	19.55
GSM1900		Max Burst Average Power (dBm)				Max Frame Average Power (dBm)			
		Max. Tune-up	Channel/Frequency(MHz)			Max. Tune-up	Channel/Frequency(MHz)		
			512/ 1850.2	661/ 1880	810/ 1909.8		512/ 1850.2	661/ 1880	810/ 1909.8
GPRS (GMSK)	1 Tx Slot	31.00	30.12	30.58	30.56	21.81	20.93	21.39	21.37
	2 Tx Slot	30.00	29.78	29.84	29.63	23.87	23.65	23.71	23.50
	3 Tx Slot	29.00	28.32	28.48	28.51	24.58	23.90	24.06	24.09
	4 Tx Slot	28.00	27.21	27.73	27.56	24.82	24.03	24.55	24.38
	1 Tx Slot	27.50	26.40	27.17	26.76	18.31	17.21	17.98	17.57
	2 Tx Slot	26.50	26.11	26.26	26.03	20.37	19.98	20.13	19.90
	3 Tx Slot	24.50	24.12	24.36	24.23	20.08	19.70	19.94	19.81
	4 Tx Slot	23.00	22.72	22.88	22.89	19.82	19.54	19.70	19.71

Note:

- 1) The tested channel results are marks in bold.
- 2) The frame-averaged power is linearly proportion to the slot number configured and it is linearly scaled the maximum burst-averaged power based on time slots. The calculated method is shown as below:
Frame-averaged power=10 x log (Burst-averaged power mW x Slot used/8)

2. CONDUCTED POWER MEASUREMENTS OF UMTS

2.1 Conducted power measurements of UMTS B2

Band	UMTS B2 Average Conducted Power(dBm)			
Tx Channel	Max. Tune-up	9262	9400	9538
Rx Channel		9662	9800	9938
Frequency(MHz)		1852.4	1880	1907.6
RMC 12.2K	24.00	23.26	23.25	23.33
HSDPA Subtest-1	22.50	22.12	22.00	22.15
HSDPA Subtest-2	22.50	21.78	21.94	21.56
HSDPA Subtest-3	22.00	21.20	21.43	21.32
HSDPA Subtest-4	22.00	21.21	21.44	21.22
HSUPA Subtest-1	20.50	20.22	20.26	20.19
HSUPA Subtest-2	20.50	19.98	20.03	19.87
HSUPA Subtest-3	21.00	20.74	20.69	20.67
HSUPA Subtest-4	20.50	20.23	20.27	20.33
HSUPA Subtest-5	22.00	21.46	21.50	21.47
DC-HSDPA Subtest-1	22.50	22.12	22.00	22.15
DC-HSDPA Subtest-2	22.50	21.78	21.94	21.56
DC-HSDPA Subtest-3	22.00	21.20	21.43	21.32
DC-HSDPA Subtest-4	22.00	21.21	21.44	21.22
HSPA+ Subtest-1	22.00	21.17	21.20	21.16

Note:

1) The tested channel results are marks in bold.

2.2 Conducted power measurements of UMTS B5

Band	UMTS B2 Average Conducted Power(dBm)			
Tx Channel	Max. Tune-up	4132	4182	4233
Rx Channel		4357	4407	4458
Frequency(MHz)		826.4	836.4	846.6
RMC 12.2K	24.00	23.03	23.17	23.40
HSDPA Subtest-1	22.50	21.91	21.93	22.09
HSDPA Subtest-2	22.50	21.87	21.89	22.03
HSDPA Subtest-3	22.00	21.41	21.43	21.32
HSDPA Subtest-4	22.00	21.21	21.36	21.56
HSUPA Subtest-1	20.50	19.82	20.03	20.19
HSUPA Subtest-2	20.50	19.80	20.00	20.18
HSUPA Subtest-3	21.00	20.82	20.79	20.76
HSUPA Subtest-4	20.50	19.29	19.52	19.71
HSUPA Subtest-5	22.00	20.78	20.97	21.08
DC-HSDPA Subtest-1	22.50	21.91	21.93	22.09
DC-HSDPA Subtest-2	22.50	21.87	21.89	22.03
DC-HSDPA Subtest-3	22.00	21.41	21.43	21.32
DC-HSDPA Subtest-4	22.00	21.21	21.36	21.56
HSPA+ Subtest-1	22.00	20.43	20.45	20.68

Note:

1) The tested channel results are marks in bold.

3. CONDUCTED POWER MEASUREMENTS OF LTE

3.1 Conducted power measurement results of LTE B2

LTE B2/BW=1.4M		Average Conducted Power(dBm)				LTE B2/BW=3M		Average Conducted Power(dBm)			
Modulation	RB Size/Offset	Max. Tune-up	Channel/Frequency(MHz)			Modulation	RB Size/Offset	Max. Tune-up	Channel/Frequency(MHz)		
			18607/1850.7	18900/1880	19193/1909.3				18615/1851.5	18900/1880	19185/1908.5
QPSK	1/0	25.00	24.29	24.26	23.73	QPSK	1/0	25.00	23.88	24.00	23.72
	1/2	25.00	24.26	24.34	23.86		1/7	25.00	24.01	24.07	23.83
	1/5	25.00	24.29	24.23	23.75		1/14	25.00	23.95	23.96	23.74
	3/0	25.00	24.01	23.97	23.75		8/0	24.00	22.98	22.99	22.81
	3/1	25.00	24.00	23.87	23.81		8/3	24.00	22.98	23.02	22.80
	3/3	25.00	23.96	23.83	23.74		8/7	24.00	22.93	22.96	22.74
	6/0	24.00	23.52	23.54	22.84		15/0	24.00	22.94	22.91	22.75
16QAM	1/0	24.00	22.89	22.95	23.01	16QAM	1/0	24.00	22.80	23.21	22.72
	1/2	24.00	22.94	23.04	23.10		1/7	24.00	22.91	23.34	22.82
	1/5	24.00	22.92	22.95	23.01		1/14	24.00	22.82	23.23	22.67
	3/0	24.00	23.08	22.93	22.90		8/0	23.00	22.00	21.97	21.78
	3/1	24.00	23.13	22.97	22.94		8/3	23.00	22.02	22.01	21.81
	3/3	24.00	23.06	22.95	22.91		8/7	23.00	21.96	21.93	21.72
	6/0	23.00	22.10	22.06	21.72		15/0	23.00	21.90	21.88	21.66
64QAM	1/0	23.00	22.37	22.41	21.55	64QAM	1/0	23.00	22.02	21.85	21.70
	1/2	23.00	22.43	22.49	21.67		1/7	23.00	22.18	22.02	21.81
	1/5	23.00	22.33	22.25	21.53		1/14	23.00	22.02	21.90	21.59
	3/0	23.00	22.13	22.32	21.56		8/0	22.00	20.79	20.79	20.44
	3/1	23.00	22.02	22.32	21.60		8/3	22.00	20.81	20.85	20.44
	3/3	23.00	22.05	22.40	21.57		8/7	22.00	20.74	20.78	20.37
	6/0	22.00	21.11	21.17	20.71		15/0	22.00	20.69	20.78	20.45

LTE B2/BW=5M		Average Conducted Power(dBm)				LTE B2/BW=10M		Average Conducted Power(dBm)			
Modulation	RB Size/Offset	Max. Tune-up	Channel/Frequency(MHz)			Modulation	RB Size/Offset	Max. Tune-up	Channel/Frequency(MHz)		
			18625/1852.5	18900/1880	19175/1907.5				18650/1855	18900/1880	19150/1905
QPSK	1/0	25.00	23.88	23.85	23.66	QPSK	1/0	25.00	23.85	23.94	23.70
	1/12	25.00	24.05	23.95	23.79		1/24	25.00	24.13	24.14	23.88
	1/24	25.00	23.91	23.80	23.68		1/49	25.00	23.88	23.88	23.68
	12/0	24.00	22.89	22.91	22.83		25/0	24.00	23.03	22.95	22.69
	12/6	24.00	22.93	22.94	22.79		25/12	24.00	23.02	23.00	22.78
	12/13	24.00	22.93	22.94	22.67		25/25	24.00	22.96	22.93	22.51
	25/0	24.00	22.94	22.89	22.74		50/0	24.00	23.01	22.92	22.57
16QAM	1/0	24.00	22.96	23.29	22.69	16QAM	1/0	24.00	22.76	23.19	22.64
	1/12	24.00	23.10	23.40	22.83		1/24	24.00	22.98	23.37	22.84
	1/24	24.00	22.98	23.26	22.70		1/49	24.00	22.77	23.14	22.66
	12/0	23.00	21.97	21.98	21.87		25/0	23.00	21.99	21.90	21.71
	12/6	23.00	22.00	22.05	21.80		25/12	23.00	21.97	21.95	21.79
	12/13	23.00	22.00	22.01	21.68		25/25	23.00	21.90	21.90	21.51
	25/0	23.00	21.86	21.89	21.64		50/0	23.00	21.94	21.89	21.57
64QAM	1/0	23.00	21.60	21.95	21.62	64QAM	1/0	23.00	22.01	21.82	21.71
	1/12	23.00	21.72	22.07	21.76		1/24	23.00	22.19	21.98	21.78
	1/24	23.00	21.61	21.94	21.61		1/49	23.00	22.00	21.84	21.61
	12/0	22.00	20.81	20.64	20.60		25/0	22.00	20.83	20.69	20.49
	12/6	22.00	20.82	20.71	20.54		25/12	22.00	20.77	20.80	20.52
	12/13	22.00	20.77	20.70	20.41		25/25	22.00	20.71	20.72	20.30
	25/0	22.00	20.68	20.64	20.42		50/0	22.00	20.77	20.68	20.33

LTE B2/BW=15M		Average Conducted Power(dBm)				LTE B2/BW=20M		Average Conducted Power(dBm)			
Modulation	RB Size/Offset	Max. Tune-up	Channel/Frequency(MHz)			Modulation	RB Size/Offset	Max. Tune-up	Channel/Frequency(MHz)		
			18675/1857.5	18900/1880	19125/1902.5				18700/1860	18900/1880	19100/1900
QPSK	1/0	25.00	23.79	23.86	23.74	QPSK	1/0	25.00	23.83	23.87	23.74
	1/37	25.00	23.93	23.97	23.83		1/50	25.00	24.37	24.03	23.90
	1/74	25.00	23.79	23.77	23.66		1/99	25.00	23.82	23.76	23.60
	36/0	24.00	23.01	22.77	22.78		50/0	24.00	23.22	22.97	22.77
	36/19	24.00	23.03	23.03	22.84		50/25	24.00	23.05	23.13	22.81
	36/39	24.00	22.96	22.92	22.67		50/50	24.00	22.93	22.73	22.54
	75/0	24.00	23.06	22.94	22.69		100/0	24.00	22.94	22.77	22.72
16QAM	1/0	24.00	22.70	23.08	22.95	16QAM	1/0	24.00	23.09	22.98	23.04
	1/37	24.00	22.83	23.23	23.00		1/50	24.00	23.53	23.85	23.33
	1/74	24.00	22.68	23.06	22.88		1/99	24.00	23.03	22.99	22.89
	36/0	23.00	21.97	22.62	21.70		50/0	23.00	21.98	21.71	21.75
	36/19	23.00	21.97	22.03	21.79		50/25	23.00	21.89	21.87	21.77
	36/39	23.00	21.93	21.90	21.60		50/50	23.00	21.90	21.68	21.53
	75/0	23.00	21.95	21.90	21.64		100/0	23.00	21.91	21.70	21.68
64QAM	1/0	23.00	21.94	21.73	22.06	64QAM	1/0	23.00	21.76	22.05	21.57
	1/37	23.00	22.04	21.85	22.06		1/50	23.00	22.17	21.78	21.86
	1/74	23.00	21.91	21.67	21.88		1/99	23.00	21.69	21.99	21.36
	36/0	22.00	20.84	21.67	20.52		50/0	22.00	20.81	20.59	20.52
	36/19	22.00	20.79	20.79	20.56		50/25	22.00	20.74	20.71	20.51
	36/39	22.00	20.78	20.73	20.35		50/50	22.00	20.77	20.55	20.33
	75/0	22.00	20.80	20.70	20.45		100/0	22.00	20.75	20.54	20.45

Note:

1) The tested channel results are marks in bold.

3.2 Conducted power measurement results of LTE B4

LTE B4/BW=1.4M		Average Conducted Power(dBm)				LTE B4/BW=3M		Average Conducted Power(dBm)			
Modulation	RB Size/Offset	Max. Tune-up	Channel/Frequency(MHz)			Modulation	RB Size/Offset	Max. Tune-up	Channel/Frequency(MHz)		
			19957/1710.7	20175/1732.5	20393/1754.3				19965/1711.5	20175/1732.5	20385/1753.5
QPSK	1/0	24.00	23.75	23.63	23.68	QPSK	1/0	24.00	23.67	23.66	23.58
	1/2	24.00	23.88	23.73	23.81		1/7	24.00	23.80	23.81	23.72
	1/5	24.00	23.74	23.62	23.66		1/14	24.00	23.71	23.67	23.58
	3/0	24.00	23.75	23.62	23.58		8/0	23.00	22.69	22.62	22.59
	3/1	24.00	23.78	23.68	23.61		8/3	23.00	22.74	22.65	22.63
	3/3	24.00	23.73	23.67	23.58		8/7	23.00	22.63	22.59	22.58
	6/0	23.00	22.83	22.76	22.73		15/0	23.00	22.64	22.57	22.53
16QAM	1/0	23.00	22.78	22.56	22.60	16QAM	1/0	23.00	22.51	22.83	22.51
	1/2	23.00	22.89	22.62	22.71		1/7	23.00	22.63	22.98	22.63
	1/5	23.00	22.95	22.54	22.56		1/14	23.00	22.47	22.84	22.42
	3/0	23.00	22.87	22.73	22.55		8/0	22.00	21.69	21.62	21.54
	3/1	23.00	22.89	22.79	22.59		8/3	22.00	21.72	21.64	21.59
	3/3	23.00	22.88	22.73	22.55		8/7	22.00	21.69	21.61	21.54
	6/0	22.00	21.67	21.80	21.75		15/0	22.00	21.58	21.54	21.43
64QAM	1/0	22.00	21.58	21.64	21.33	64QAM	1/0	22.00	21.71	21.41	21.50
	1/2	22.00	21.63	21.80	21.47		1/7	22.00	21.85	21.57	21.58
	1/5	22.00	21.58	21.65	21.32		1/14	22.00	21.71	21.49	21.39
	3/0	22.00	21.39	21.61	21.38		8/0	21.00	20.55	20.42	20.28
	3/1	22.00	21.44	21.67	21.41		8/3	21.00	20.57	20.46	20.31
	3/3	22.00	21.39	21.61	21.37		8/7	21.00	20.51	20.43	20.27
	6/0	21.00	20.59	20.38	20.62		15/0	21.00	20.43	20.37	20.30

LTE B4/BW=5M		Average Conducted Power(dBm)				LTE B4/BW=10M		Average Conducted Power(dBm)			
Modulation	RB Size/Offset	Max. Tune-up	Channel/Frequency(MHz)			Modulation	RB Size/Offset	Max. Tune-up	Channel/Frequency(MHz)		
			19975/1712.5	20175/1732.5	20375/1752.5				20000/1715	20175/1732.5	20350/1750
QPSK	1/0	24.00	23.68	23.57	23.54	QPSK	1/0	24.00	23.67	23.69	23.55
	1/12	24.00	23.79	23.68	23.63		1/24	24.00	23.85	23.86	23.73
	1/24	24.00	23.65	23.57	23.54		1/49	24.00	23.66	23.65	23.58
	12/0	23.00	22.62	22.56	22.52		25/0	23.00	22.71	22.59	22.65
	12/6	23.00	22.65	22.61	22.60		25/12	23.00	22.71	22.65	22.58
	12/13	23.00	22.64	22.58	22.58		25/25	23.00	22.71	22.65	22.60
	25/0	23.00	22.64	22.56	22.54		50/0	23.00	22.69	22.61	22.59
16QAM	1/0	23.00	22.68	22.90	22.52	16QAM	1/0	23.00	22.51	22.84	22.48
	1/12	23.00	22.78	22.90	22.59		1/24	23.00	22.68	22.86	22.63
	1/24	23.00	22.65	22.92	22.51		1/49	23.00	22.49	22.82	22.45
	12/0	22.00	21.63	21.59	21.49		25/0	22.00	21.64	21.56	21.65
	12/6	22.00	21.67	21.68	21.59		25/12	22.00	21.64	21.60	21.60
	12/13	22.00	21.65	21.65	21.55		25/25	22.00	21.66	21.64	21.61
	25/0	22.00	21.56	21.52	21.44		50/0	22.00	21.59	21.56	21.54
64QAM	1/0	22.00	21.31	21.53	21.42	64QAM	1/0	22.00	21.72	21.44	21.46
	1/12	22.00	21.41	21.63	21.53		1/24	22.00	21.90	21.62	21.62
	1/24	22.00	21.30	21.49	21.42		1/49	22.00	21.66	21.42	21.39
	12/0	21.00	20.48	20.28	20.36		25/0	21.00	20.53	20.49	20.50
	12/6	21.00	20.53	20.38	20.40		25/12	21.00	20.52	20.49	20.42
	12/13	21.00	20.52	20.32	20.37		25/25	21.00	20.54	20.43	20.40
	25/0	21.00	20.40	20.29	20.30		50/0	21.00	20.49	20.41	20.38

LTE B4/BW=15M		Average Conducted Power(dBm)				LTE B4/BW=20M		Average Conducted Power(dBm)			
Modulation	RB Size/Offset	Max. Tune-up	Channel/Frequency(MHz)			Modulation	RB Size/Offset	Max. Tune-up	Channel/Frequency(MHz)		
			20025/1717.5	20175/1732.5	20325/1747.5				20050/1720	20175/1732.5	20300/1745
QPSK	1/0	24.00	23.60	23.63	23.59	QPSK	1/0	24.00	23.43	23.58	23.37
	1/37	24.00	23.72	23.69	23.66		1/50	24.00	23.83	23.91	23.77
	1/74	24.00	23.57	23.55	23.57		1/99	24.00	23.39	23.33	23.34
	36/0	23.00	22.73	22.63	22.72		50/0	23.00	22.59	22.74	22.63
	36/19	23.00	22.73	22.70	22.65		50/25	23.00	22.64	22.61	22.59
	36/39	23.00	22.72	22.68	22.61		50/50	23.00	22.69	22.52	22.48
	75/0	23.00	22.73	22.69	22.70		100/0	23.00	22.65	22.52	22.56
16QAM	1/0	23.00	22.47	22.79	22.76	16QAM	1/0	23.00	22.88	22.73	22.61
	1/37	23.00	22.55	22.87	22.86		1/50	23.00	22.94	22.86	22.81
	1/74	23.00	22.37	22.75	22.71		1/99	23.00	22.77	22.67	22.54
	36/0	22.00	21.65	21.86	21.64		50/0	22.00	21.56	21.45	21.55
	36/19	22.00	21.65	21.69	21.57		50/25	22.00	21.60	21.57	21.51
	36/39	22.00	21.66	21.67	21.54		50/50	22.00	21.65	21.54	21.37
	75/0	22.00	21.64	21.61	21.58		100/0	22.00	21.62	21.51	21.52
64QAM	1/0	22.00	21.61	21.39	21.80	64QAM	1/0	22.00	21.45	21.64	21.21
	1/37	22.00	21.71	21.48	21.90		1/50	22.00	21.86	20.56	21.69
	1/74	22.00	21.52	21.29	21.67		1/99	22.00	21.32	21.65	21.15
	36/0	21.00	20.55	20.28	20.48		50/0	21.00	20.42	20.31	20.49
	36/19	21.00	20.56	20.52	20.43		50/25	21.00	20.50	20.42	20.41
	36/39	21.00	20.59	20.46	20.40		50/50	21.00	20.56	20.31	20.26
	75/0	21.00	20.53	20.40	20.46		100/0	21.00	20.50	20.31	20.40

Note:

1) The tested channel results are marks in bold.

3.3 Conducted power measurement results of LTE B5

LTE B5/BW=1.4M		Average Conducted Power(dBm)				LTE B5/BW=3M		Average Conducted Power(dBm)			
Modulation	RB Size/Offset	Max. Tune-up	Channel/Frequency(MHz)			Modulation	RB Size/Offset	Max. Tune-up	Channel/Frequency(MHz)		
			20407/824.7	20525/836.5	20643/848.3				20415/825.5	20525/836.5	20635/847.5
QPSK	1/0	24.00	23.41	23.40	23.52	QPSK	1/0	24.00	23.50	23.40	23.46
	1/2	24.00	23.54	23.50	23.62		1/7	24.00	23.60	23.59	23.63
	1/5	24.00	23.38	23.40	23.52		1/14	24.00	23.45	23.47	23.50
	3/0	24.00	23.40	23.30	23.40		8/0	23.00	22.50	22.42	22.54
	3/1	24.00	23.46	23.34	23.46		8/3	23.00	22.52	22.50	22.42
	3/3	24.00	23.41	23.34	23.40		8/7	23.00	22.45	22.43	22.53
	6/0	23.00	22.56	22.48	22.61		15/0	23.00	22.45	22.38	22.47
16QAM	1/0	23.00	22.37	22.32	22.65	16QAM	1/0	23.00	22.32	22.63	22.34
	1/2	23.00	22.42	22.42	22.73		1/7	23.00	22.43	22.80	22.50
	1/5	23.00	22.34	22.34	22.65		1/14	23.00	22.26	22.65	22.36
	3/0	23.00	22.58	22.33	22.51		8/0	22.00	21.50	21.42	21.45
	3/1	23.00	22.59	22.37	22.57		8/3	22.00	21.56	21.49	21.50
	3/3	23.00	22.56	22.35	22.55		8/7	22.00	21.50	21.42	21.46
	6/0	22.00	21.56	21.51	21.36		15/0	22.00	21.43	21.38	21.37
64QAM	1/0	22.00	21.61	21.37	21.36	64QAM	1/0	22.00	21.53	21.28	21.40
	1/2	22.00	21.80	21.49	21.46		1/7	22.00	21.66	21.45	21.55
	1/5	22.00	21.60	21.33	21.42		1/14	22.00	21.53	21.31	21.39
	3/0	22.00	21.67	21.44	21.25		8/0	21.00	20.33	20.24	20.18
	3/1	22.00	21.73	21.49	21.29		8/3	21.00	20.34	20.30	20.23
	3/3	22.00	21.69	21.45	21.29		8/7	21.00	20.29	20.24	20.17
	6/0	21.00	20.34	20.53	20.37		15/0	21.00	20.23	20.24	20.25

LTE B5/BW=5M		Average Conducted Power(dBm)				LTE B5/BW=10M		Average Conducted Power(dBm)			
Modulation	RB Size/Offset	Max. Tune-up	Channel/Frequency(MHz)			Modulation	RB Size/Offset	Max. Tune-up	Channel/Frequency(MHz)		
			20425/826.5	20525/836.5	20625/846.5				20450/829	20525/836.5	20600/844
QPSK	1/0	24.00	23.48	23.27	23.35	QPSK	1/0	24.00	23.47	23.40	23.39
	1/12	24.00	23.54	23.44	23.58		1/24	24.00	23.52	23.55	23.68
	1/24	24.00	23.35	23.32	23.46		1/49	24.00	23.33	23.44	23.51
	12/0	23.00	22.38	22.36	22.42		25/0	23.00	22.37	22.35	22.41
	12/6	23.00	22.46	22.41	22.47		25/12	23.00	22.41	22.39	22.56
	12/13	23.00	22.44	22.39	22.45		25/25	23.00	22.44	22.40	22.32
	25/0	23.00	22.42	22.37	22.38		50/0	23.00	22.40	22.40	22.38
16QAM	1/0	23.00	22.47	22.71	22.33	16QAM	1/0	23.00	22.29	22.65	22.26
	1/12	23.00	22.60	22.84	22.51		1/24	23.00	22.38	22.75	22.37
	1/24	23.00	22.39	22.68	22.41		1/49	23.00	22.20	22.61	22.32
	12/0	22.00	21.46	21.49	21.43		25/0	22.00	21.37	21.37	21.41
	12/6	22.00	21.52	21.55	21.48		25/12	22.00	21.40	21.39	21.41
	12/13	22.00	21.53	21.51	21.47		25/25	22.00	21.43	21.36	21.30
	25/0	22.00	21.43	21.38	21.31		50/0	22.00	21.36	21.37	21.36
64QAM	1/0	22.00	21.07	21.39	21.34	64QAM	1/0	22.00	21.51	21.36	21.40
	1/12	22.00	21.20	21.53	21.49		1/24	22.00	21.63	21.48	21.53
	1/24	22.00	21.05	21.38	21.43		1/49	22.00	21.50	21.30	21.49
	12/0	21.00	20.25	20.18	20.38		25/0	21.00	20.24	20.28	20.34
	12/6	21.00	20.31	20.17	20.34		25/12	21.00	20.26	20.32	20.36
	12/13	21.00	20.34	20.19	20.33		25/25	21.00	20.29	20.32	20.28
	25/0	21.00	20.20	20.20	20.26		50/0	21.00	20.23	20.32	20.24

Note:

1) The tested channel results are marks in bold.

3.4 Conducted power measurement results of LTE B7

LTE B7/BW=5M		Average Conducted Power(dBm)				LTE B7/BW=10M		Average Conducted Power(dBm)			
Modulation	RB Size/Offset	Max. Tune-up	Channel/Frequency(MHz)			Modulation	RB Size/Offset	Max. Tune-up	Channel/Frequency(MHz)		
			20775/2502.5	21100/2535	21425/2567.5				20800/2505	21100/2535	21400/2565
QPSK	1/0	25.00	24.27	24.27	24.13	QPSK	1/0	25.00	24.36	24.36	24.08
	1/12	25.00	24.39	24.40	24.23		1/24	25.00	24.56	24.55	24.31
	1/24	25.00	24.28	24.24	24.08		1/49	25.00	24.37	24.32	24.04
	12/0	24.00	23.24	23.31	23.04		25/0	24.00	23.23	23.33	23.22
	12/6	24.00	23.38	23.36	23.12		25/12	24.00	23.40	23.36	23.18
	12/13	24.00	23.40	23.35	23.10		25/25	24.00	23.42	23.42	23.16
	25/0	24.00	23.33	23.31	23.08		50/0	24.00	23.32	23.38	23.17
16QAM	1/0	24.00	23.26	23.31	23.45	16QAM	1/0	24.00	23.14	23.58	23.03
	1/12	24.00	23.39	23.43	23.55		1/24	24.00	23.32	23.73	23.23
	1/24	24.00	23.25	23.28	23.39		1/49	24.00	23.10	23.51	23.00
	12/0	23.00	22.27	22.31	22.19		25/0	23.00	22.22	22.31	22.29
	12/6	23.00	22.38	22.38	22.23		25/12	23.00	22.36	22.36	22.22
	12/13	23.00	22.41	22.38	22.23		25/25	23.00	22.38	22.39	22.18
	25/0	23.00	22.21	22.28	22.11		50/0	23.00	22.26	22.34	22.18
64QAM	1/0	23.00	22.41	22.37	21.89	64QAM	1/0	23.00	22.53	22.36	22.19
	1/12	23.00	22.56	22.51	22.00		1/24	23.00	22.73	22.52	22.43
	1/24	23.00	22.40	22.35	21.86		1/49	23.00	22.51	22.30	22.16
	12/0	22.00	21.11	21.27	21.06		25/0	22.00	21.18	21.34	21.24
	12/6	22.00	21.27	21.35	21.09		25/12	22.00	21.35	21.35	21.18
	12/13	22.00	21.29	21.35	21.07		25/25	22.00	21.38	21.41	21.14
	25/0	22.00	21.22	21.25	20.98		50/0	22.00	21.29	21.35	21.12

LTE B7/BW=15M		Average Conducted Power(dBm)				LTE B7/BW=20M		Average Conducted Power(dBm)			
Modulation	RB Size/Offset	Max. Tune-up	Channel/Frequency(MHz)			Modulation	RB Size/Offset	Max. Tune-up	Channel/Frequency(MHz)		
			20825/2507.5	21100/2535	21375/2562.5				20850/2510	21100/2535	21350/2560
QPSK	1/0	25.00	24.34	24.32	24.17	QPSK	1/0	25.00	24.36	24.29	24.22
	1/37	25.00	24.42	24.39	24.23		1/50	25.00	24.69	24.50	24.28
	1/74	25.00	24.19	24.22	24.04		1/99	25.00	24.33	24.19	24.03
	36/0	24.00	23.35	23.41	23.29		50/0	24.00	23.15	23.32	23.25
	36/19	24.00	23.50	23.40	23.22		50/25	24.00	23.31	23.36	23.14
	36/39	24.00	23.39	23.44	23.16		50/50	24.00	23.10	23.54	23.01
	75/0	24.00	23.45	23.45	23.29		100/0	24.00	23.08	23.37	23.15
16QAM	1/0	24.00	23.08	23.54	23.29	16QAM	1/0	24.00	23.51	23.41	23.19
	1/37	24.00	23.14	23.57	23.42		1/50	24.00	23.86	23.77	23.54
	1/74	24.00	22.99	23.44	23.22		1/99	24.00	23.46	23.25	23.06
	36/0	23.00	22.29	22.38	22.21		50/0	23.00	22.09	22.26	22.16
	36/19	23.00	22.37	22.40	22.12		50/25	23.00	22.30	22.33	22.09
	36/39	23.00	22.28	22.43	22.10		50/50	23.00	22.07	22.40	21.94
	75/0	23.00	22.31	22.38	22.15		100/0	23.00	22.10	22.32	22.10
64QAM	1/0	23.00	22.47	22.33	22.57	64QAM	1/0	23.00	22.32	22.59	22.05
	1/37	23.00	22.56	22.37	22.67		1/50	23.00	22.63	22.94	22.40
	1/74	23.00	22.39	22.18	22.47		1/99	23.00	22.24	22.44	21.91
	36/0	22.00	21.25	21.37	21.17		50/0	22.00	21.11	21.23	21.17
	36/19	22.00	21.36	21.39	21.14		50/25	22.00	21.31	21.30	21.09
	36/39	22.00	21.30	21.42	21.08		50/50	22.00	21.09	21.38	20.96
	75/0	22.00	21.27	21.35	21.19		100/0	22.00	21.05	21.29	21.09

Note:

1) The tested channel results are marks in bold.

4. CONDUCTED POWER MEASUREMENTS OF BT

BT	Average Conducted Power(dBm)			
	Max.	CH0	CH39	CH78
	Tune up	2402MHz	2441MHz	2480MHz
DH5	7.50	7.17	4.98	6.03
2DH5	7.00	6.86	4.59	5.56
3DH5	7.00	6.58	4.59	5.56

BT	Average Conducted Power(dBm)			
	Max.	CH0	CH19	CH39
	Tune up	2402MHz	2440MHz	2480MHz
BLE(1M)	8.00	7.77	6.28	7.05

Note:

- 1) The Average conducted power of Bluetooth is measured with RMS detector.
- 2) The tested channel results are marks in bold.

5. CONDUCTED POWER MEASUREMENTS OF WIFI

5.1 Conducted power measurements of 2.4G WiFi

Band	Mode	Channel	Frequency (MHz)	Data Rate (Mbps)	Tune up	Average Power(dBm)
2.4G WIFI_1TX_ ANT 2	802.11b	1	2412	1	17.00	15.17
		6	2437		15.00	14.49
		11	2462		17.00	16.62
	802.11g	1	2412	6	13.00	11.32
		6	2437		13.00	12.54
		11	2462		13.00	12.54
	802.11n HT20	1	2412	6.5	13.00	11.34
		6	2437		13.00	12.56
		11	2462		13.00	12.50
	802.11n HT40	3	2422	13.5	13.00	12.35
		6	2437		13.00	12.34
		9	2452		13.00	12.56

Note:

- 1) The Average conducted power of 2.4G WiFi is measured with RMS detector.
- 2) Per KDB248227 D01, for 2.4G WiFi, the highest measured maximum output power Channel for DSSS modes (802.11b) was selected for SAR measurement. SAR for OFDM modes (2.4GHz 802.11g/n) was not required When the highest reported SAR for DSSS is adjusted by the ratio of OFDM modes (802.11g/n) to DSSS modes (802.11b) specified maximum output power and the adjusted SAR is ≤ 1.2 W/kg.
- 3) The tested channel results are marks in bold.

5.2 Conducted power measurements of 5.2G WiFi

Band	Mode	Channel	Frequency (MHz)	Data Rate (Mbps)	Max. Tune up	Average Power(dBm)
5.2G WIFI_1TX _ANT 2	802.11a	36	5180	6	12.00	11.89
		40	5200		12.00	11.60
		44	5220		12.00	11.62
		48	5240		12.00	11.82
	802.11n HT20	36	5180	MCS0	12.00	11.86
		40	5200		12.00	11.53
		44	5220		12.00	11.72
		48	5240		12.00	11.90
	802.11n HT40	38	5190	MCS0	9.00	8.85
		46	5230		12.00	11.79

Note:

- 1) The Average conducted power of 5.2G WiFi is measured with RMS detector.
- 2) The tested channel results are marks in bold.

5.3 Conducted power measurements of 5.3G WiFi

Band	Mode	Channel	Frequency (MHz)	Data Rate (Mbps)	Max. Tune up	Average Power(dBm)
5.3G WIFI_1TX _ANT 2	802.11a	52	5260	6	12.00	11.76
		56	5280		12.00	11.63
		60	5300		12.00	11.80
		64	5320		12.00	11.52
	802.11n HT20	52	5260	MCS0	12.00	11.81
		56	5280		12.00	11.59
		60	5300		12.00	11.84
		64	5320		12.00	11.63
	802.11n HT40	54	5270	MCS0	12.00	11.85
		62	5310		10.00	9.36

Note:

- 1) The Average conducted power of 5.3G WiFi is measured with RMS detector.
- 2) The tested channel results are marks in bold.

5.4 Conducted power measurements of 5.6G WiFi

Band	Mode	Channel	Frequency (MHz)	Data Rate (Mbps)	Max. Tune up	Average Power(dBm)
5.6G WIFI_1TX _ANT 2	802.11a	100	5500	6	12.00	11.80
		104	5520		12.00	11.76
		108	5540		12.00	11.77
		112	5560		12.00	11.76
		116	5580		12.00	11.79
		132	5660		12.00	11.66
		136	5680		12.00	11.86
		140	5700		12.00	11.61
	802.11n HT20	100	5500	MCS0	12.00	11.79
		104	5520		12.00	11.75
		108	5540		12.00	11.66
		112	5560		12.00	11.79
		116	5580		12.00	11.89
		132	5660		12.00	11.59
		136	5680		12.00	11.65
		140	5700		12.00	11.64
	802.11n HT40	102	5510	MCS0	12.00	11.40
		110	5550		12.00	11.97
		118	5590		12.00	11.59
		126	5630		12.00	11.53
		134	5670		12.00	11.93

Note:

- 1) The Average conducted power of 5.6G WiFi is measured with RMS detector.
- 2) The tested channel results are marks in bold.

5.5 Conducted power measurements of 5.8G WiFi

Band	Mode	Channel	Frequency (MHz)	Data Rate (Mbps)	Max. Tune up	Average Power(dBm)
5.8G WIFI_1TX _ANT 2	802.11a	149	5745	6	12.00	11.41
		153	5765		12.00	11.73
		157	5785		12.00	11.60
		161	5805		12.00	11.53
		165	5825		12.00	11.56
	802.11n HT20	149	5745	MCS0	12.00	11.75
		153	5765		12.00	11.62
		157	5785		12.00	11.71
		161	5805		12.00	11.48
		165	5825		12.00	11.70
	802.11n HT40	151	5755	MCS0	12.00	11.76
		159	5795		12.00	11.27

Note:

- 1) The Average conducted power of 5.8G WiFi is measured with RMS detector.
- 2) The tested channel results are marks in bold.