Appendix E. Conducted Power Measurement Result

1. Conducted power measurement results of GSM850

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
GSM (CS)		32.97	31.60	31.99	32.03	23.78	22.41	22.80	22.84
GPRS /EDGE (GMSK)	1 Tx Slot	32.97	31.60	31.99	32.03	23.78	22.41	22.80	22.84
	2 Tx Slot	32.97	31.88	32.21	32.28	26.84	25.75	26.08	26.15
	3 Tx Slot	32.97	31.93	32.07	32.14	28.55	27.51	27.65	27.72
	4 Tx Slot	32.97	**31.86**	**32.03**	**32.05**	29.79	28.68	28.85	28.87
EDGE (8PSK)	1 Tx Slot	26.97	26.55	26.60	26.70	17.78	17.36	17.41	17.51
	2 Tx Slot	26.97	26.50	26.60	26.60	20.84	20.37	20.47	20.47
	3 Tx Slot	26.97	26.46	26.52	26.50	22.55	22.04	22.10	22.08
	4 Tx Slot	26.97	26.19	26.27	26.31	23.79	23.01	23.09	23.13

Note:
1) The conducted power of GSM850 is measured with RMS detector.
2) Frame-averaged output power was calculated from the measured burst-averaged output power by converting the slot powers into linear units and calculating the energy over 8 time slots.
3) 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)
4) The tested channels are marks in bold.

2. Conducted power measurement results of GSM1900

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
GSM (CS)		29.53	28.83	28.90	28.85	20.34	19.64	19.71	19.66
GPRS /EDGE (GMSK)	1 Tx Slot	29.53	28.83	28.90	28.85	20.34	19.64	19.71	19.66
	2 Tx Slot	29.53	28.73	28.84	28.74	23.40	22.60	22.71	22.61
	3 Tx Slot	29.53	28.69	28.73	28.70	25.11	24.27	24.31	24.28
	4 Tx Slot	29.53	**28.69**	**28.62**	**28.58**	26.35	25.51	25.44	25.40
EDGE (8PSK)	1 Tx Slot	25.53	25.21	25.11	24.89	16.34	16.02	15.92	15.70
	2 Tx Slot	25.53	25.18	25.07	24.80	19.40	19.05	18.94	18.67
	3 Tx Slot	25.53	25.08	24.94	24.85	21.11	20.66	20.52	20.43
	4 Tx Slot	25.53	24.99	24.85	24.74	22.35	21.81	21.67	21.56

Note:
1) The conducted power of GSM1900 is measured with RMS detector.
2) Frame-averaged output power was calculated from the measured burst-averaged output power by converting the slot powers into linear units and calculating the energy over 8 time slots.
3) 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)
4) The tested channels are marks in bold.

3. Conducted power measurement results of UMTS B2

Band	UMTS B2 Average Conducted Power(dBm)			
Tx Channel	Max.	9262	9400	9538
Frequency(MHz)	Tune-up	1852.4	1880	1907.6
AMR Voice	23.57	21.97	22.03	22.08
RMC 12.2K	23.57	**21.97**	**22.03**	**22.08**
HSDPA Subtest-1	22.57	21.04	21.06	21.17
HSDPA Subtest-2	22.57	21.00	21.10	21.20
HSDPA Subtest-3	22.07	20.57	20.60	20.71
HSDPA Subtest-4	22.07	20.55	20.59	20.72
HSUPA Subtest-1	21.07	20.18	20.20	20.35
HSUPA Subtest-2	21.07	20.01	20.11	20.12
HSUPA Subtest-3	21.07	19.66	19.10	19.35
HSUPA Subtest-4	22.07	20.53	20.61	20.66
HSUPA Subtest-5	22.07	21.12	21.18	21.23
DC-HSDPA Subtest-1	22.07	21.04	21.06	21.17
DC-HSDPA Subtest-2	22.07	21.00	21.10	21.20
DC-HSDPA Subtest-3	22.07	20.57	20.60	20.71
DC-HSDPA Subtest-4	22.07	20.55	20.59	20.72

Note:
1) The conducted power of UMTS B2 is measured with RMS detector.
2) Note: Per KDB941225 D01, When the maximum output power and tune-up tolerance specified for production units in a secondary mode is ≤ ¼ dB higher than the primary mode or when the highest reported SAR of the primary mode is scaled by the ratio of specified maximum output power and tune-up tolerance of secondary to primary mode and the adjusted SAR is ≤ 1.2 W/kg, SAR measurement is not required for the secondary mode.
3) The tested channels are marks in bold.

4. Conducted power measurement results of UMTS B4

Band	UMTS B4 Average Conducted Power(dBm)			
Tx Channel	Max.	1312	1413	1513
Frequency(MHz)	Tune-up	1712.4	1732.6	1752.6
AMR Voice	23.54	22.35	22.00	21.92
RMC 12.2K	23.54	**22.35**	**22.00**	**21.92**
HSDPA Subtest-1	22.54	21.29	21.17	21.01
HSDPA Subtest-2	22.54	21.31	21.18	21.01
HSDPA Subtest-3	22.04	20.81	20.56	20.53
HSDPA Subtest-4	22.04	20.78	20.65	20.43
HSUPA Subtest-1	21.04	20.96	20.50	20.90
HSUPA Subtest-2	21.04	20.30	20.09	20.07
HSUPA Subtest-3	21.04	19.41	19.90	19.21
HSUPA Subtest-4	22.04	20.82	20.63	20.49
HSUPA Subtest-5	22.04	21.36	21.16	21.03
DC-HSDPA Subtest-1	22.04	21.29	21.17	21.01
DC-HSDPA Subtest-2	22.04	21.31	21.18	21.01
DC-HSDPA Subtest-3	22.04	20.81	20.56	20.53
DC-HSDPA Subtest-4	22.04	20.78	20.65	20.43

Note:
1) The conducted power of UMTS B4 is measured with RMS detector.
2) Note: Per KDB941225 D01, When the maximum output power and tune-up tolerance specified for production units in a secondary mode is ≤ ¼ dB higher than the primary mode or when the highest reported SAR of the primary mode is scaled by the ratio of specified maximum output power and tune-up tolerance of secondary to primary mode and the adjusted SAR is ≤ 1.2 W/kg, SAR measurement is not required for the secondary mode.
3) The tested channels are marks in bold.

5. Conducted power measurement results of UMTS B5

Band	UMTS B5 Average Conducted Power(dBm)			
Tx Channel	Max.	4132	4182	4233
Frequency(MHz)	Tune-up	826.4	836.4	846.6
AMR Voice	23.97	22.94	22.98	22.93
RMC 12.2K	23.97	**22.94**	**22.98**	**22.93**
HSDPA Subtest-1	22.97	21.99	21.94	22.00
HSDPA Subtest-2	22.97	22.02	21.93	21.99
HSDPA Subtest-3	22.47	21.42	21.47	21.43
HSDPA Subtest-4	22.47	21.40	21.38	21.45
HSUPA Subtest-1	21.47	21.28	21.36	21.24
HSUPA Subtest-2	21.47	20.79	20.97	21.00
HSUPA Subtest-3	21.47	20.00	20.21	20.81
HSUPA Subtest-4	22.47	21.47	20.77	20.43
HSUPA Subtest-5	22.47	22.00	22.00	21.96
DC-HSDPA Subtest-1	22.47	21.99	21.94	22.00
DC-HSDPA Subtest-2	22.47	22.02	21.93	21.99
DC-HSDPA Subtest-3	22.47	21.42	21.47	21.43
DC-HSDPA Subtest-4	22.47	21.40	21.38	21.48

Note:
1) The conducted power of UMTS B5 is measured with RMS detector.
2) Note: Per KDB941225 D01, When the maximum output power and tune-up tolerance specified for production units in a secondary mode is ≤ ¼ dB higher than the primary mode or when the highest reported SAR of the primary mode is scaled by the ratio of specified maximum output power and tune-up tolerance of secondary to primary mode and the adjusted SAR is ≤ 1.2 W/kg, SAR measurement is not required for the secondary mode.
3) The tested channels are marks in bold.

6. Conducted power measurement results of LTE B2

LTE B2/BW=1.4M		Average Conducted Power(dBm)				LTE B2/BW=3M		Average Conducted Power(dBm)			
Modula-tion	RB Size/ Offset	Max. Tune-up	Channel/Frequency(MHz)			Modula-tion	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	23.07	22.25	22.13	22.32	QPSK	1/0	23.07	22.10	22.21	22.22
	1/2	23.07	22.34	22.23	22.32		1/7	23.07	22.23	22.36	22.37
	1/5	23.07	22.30	22.13	22.26		1/14	23.07	22.29	22.17	22.26
	3/0	23.07	22.20	22.22	22.21		8/0	22.07	21.31	21.26	21.20
	3/1	23.07	22.26	22.24	22.27		8/3	22.07	21.28	21.22	21.21
	3/3	23.07	22.22	22.21	22.31		8/7	22.07	21.28	21.25	21.19
	6/0	22.07	21.19	21.24	21.26		15/0	22.07	21.25	21.28	21.22
16QAM	1/0	22.07	21.37	21.20	21.30	16QAM	1/0	22.07	21.30	21.18	21.31
	1/2	22.07	21.22	21.19	21.21		1/7	22.07	21.22	21.25	21.37
	1/5	22.07	21.30	21.14	21.28		1/14	22.07	21.14	21.06	21.12
	3/0	22.07	21.21	21.17	21.33		8/0	21.07	20.30	20.22	20.27
	3/1	22.07	21.23	21.25	21.25		8/3	21.07	20.21	20.24	20.24
	3/3	22.07	21.19	21.15	21.18		8/7	21.07	20.26	20.24	20.18
	6/0	21.07	20.20	20.23	20.09		15/0	21.07	20.22	20.18	20.20
LTE B2/BW=5M		Average Conducted Power(dBm)				LTE B2/BW=10M		Average Conducted Power(dBm)			
Modula-tion	RB Size/ Offset	Max. Tune-up	Channel/Frequency(MHz)			Modula-tion	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	23.07	22.18	22.23	22.29	QPSK	1/0	23.07	22.17	22.26	22.15
	1/12	23.07	22.30	22.12	22.20		1/24	23.07	22.24	22.21	22.24
	1/24	23.07	22.24	22.30	22.22		1/49	23.07	22.20	22.25	22.19
	12/0	22.07	21.39	21.28	21.26		25/0	22.07	21.41	21.34	21.40
	12/6	22.07	21.22	21.33	21.34		25/12	22.07	21.37	21.48	21.45
	12/13	22.07	21.21	21.27	21.30		25/25	22.07	21.35	21.39	21.40
	25/0	22.07	21.28	21.29	21.26		50/0	22.07	21.38	21.42	21.31
16QAM	1/0	22.07	21.15	21.18	21.12	16QAM	1/0	22.07	21.29	21.15	21.26
	1/12	22.07	21.14	21.23	21.11		1/24	22.07	21.20	21.05	21.16
	1/24	22.07	21.12	21.20	21.09		1/49	22.07	21.21	21.10	21.07
	12/0	21.07	20.28	20.31	20.25		25/0	21.07	20.22	20.22	20.26
	12/6	21.07	20.26	20.24	20.31		25/12	21.07	20.22	20.23	20.42
	12/13	21.07	20.18	20.22	20.20		25/25	21.07	20.25	20.23	20.29
	25/0	21.07	20.20	20.19	20.25		50/0	21.07	20.25	20.23	20.31

LTE B2/BW=15M		Average Conducted Power(dBm)				LTE B2/BW=20M		Average Conducted Power(dBm)			
Modula -tion	RB Size/ Offset	Max. Tune-up	Channel/Frequency(MHz)			Modula -tion	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	23.07	22.33	22.24	22.23	QPSK	1/0	23.07	22.25	**22.40**	22.34
	1/37	23.07	22.21	22.15	22.26		1/50	23.07	**22.37**	22.36	**22.38**
	1/74	23.07	22.25	22.28	22.19		1/99	23.07	22.33	22.24	22.29
	36/0	22.07	21.35	21.28	21.27		50/0	22.07	21.46	21.52	21.51
	36/19	22.07	21.34	21.31	21.32		50/25	22.07	21.48	21.56	21.57
	36/39	22.07	21.36	21.26	21.46		50/50	22.07	21.44	21.50	**21.58**
	75/0	22.07	21.20	21.23	21.25		100/0	22.07	21.38	21.52	21.49
16QAM	1/0	22.07	21.19	21.14	21.24	16QAM	1/0	22.07	21.26	21.39	21.40
	1/37	22.07	21.23	21.30	21.39		1/50	22.07	21.32	21.30	21.31
	1/74	22.07	21.24	21.21	21.19		1/99	22.07	21.25	21.27	21.37
	36/0	21.07	20.22	20.20	20.27		50/0	21.07	20.18	20.21	20.25
	36/19	21.07	20.28	20.25	20.30		50/25	21.07	20.22	20.24	20.28
	36/39	21.07	20.35	20.24	20.40		50/50	21.07	20.31	20.24	20.28
	75/0	21.07	20.26	20.23	20.26		100/0	21.07	20.29	20.22	20.27

Note: The tested channels are marks in bold.

7. Conducted power measurement results of LTE B4

LTE B4/BW=1.4M		Average Conducted Power(dBm)				LTE B4/BW=3M		Average Conducted Power(dBm)			
Modula-tion	RB Size/ Offset	Max. Tune-up	Channel/Frequency(MHz)			Modula-tion	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	23.04	22.41	22.44	22.29	QPSK	1/0	23.04	22.40	22.31	22.33
	1/2	23.04	22.42	22.46	22.38		1/7	23.04	22.41	22.44	22.39
	1/5	23.04	22.36	22.40	22.24		1/14	23.04	22.36	22.30	22.38
	3/0	23.04	22.41	22.37	22.25		8/0	22.04	21.52	21.43	21.34
	3/1	23.04	22.46	22.43	22.21		8/3	22.04	21.48	21.44	21.35
	3/3	23.04	22.44	22.36	22.20		8/7	22.04	21.48	21.44	21.27
	6/0	22.04	21.50	21.40	21.21		15/0	22.04	21.46	21.40	21.31
16QAM	1/0	22.04	21.27	21.44	21.23	16QAM	1/0	22.04	21.45	21.38	21.33
	1/2	22.04	21.41	21.52	21.24		1/7	22.04	21.66	21.68	21.49
	1/5	22.04	21.37	21.45	21.38		1/14	22.04	21.32	21.27	21.21
	3/0	22.04	21.42	21.38	21.21		8/0	21.04	20.45	20.38	20.06
	3/1	22.04	21.49	21.46	21.21		8/3	21.04	20.44	20.33	20.11
	3/3	22.04	21.48	21.47	21.24		8/7	21.04	20.44	20.39	20.22
	6/0	21.04	20.39	20.36	20.25		15/0	21.04	20.44	20.38	20.19
LTE B4/BW=5M		Average Conducted Power(dBm)				LTE B4/BW=10M		Average Conducted Power(dBm)			
Modula-tion	RB Size/ Offset	Max. Tune-up	Channel/Frequency(MHz)			Modula-tion	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	23.04	22.36	22.20	22.20	QPSK	1/0	23.04	22.37	22.23	22.40
	1/12	23.04	22.33	22.35	22.10		1/24	23.04	22.44	22.34	22.41
	1/24	23.04	22.34	22.23	22.18		1/49	23.04	22.39	22.15	22.38
	12/0	22.04	21.59	21.40	21.22		25/0	22.04	21.38	21.45	21.38
	12/6	22.04	21.51	21.55	21.27		25/12	22.04	21.58	21.45	21.26
	12/13	22.04	21.41	21.50	21.16		25/25	22.04	21.47	21.26	21.26
	25/0	22.04	21.47	21.45	21.25		50/0	22.04	21.48	21.41	21.28
16QAM	1/0	22.04	21.16	21.23	21.12	16QAM	1/0	22.04	21.40	21.27	21.41
	1/12	22.04	21.18	21.24	21.08		1/24	22.04	21.55	21.35	21.45
	1/24	22.04	21.28	21.17	21.18		1/49	22.04	21.32	21.30	21.46
	12/0	21.04	20.44	20.27	20.25		25/0	21.04	20.37	20.36	20.33
	12/6	21.04	20.43	20.24	20.33		25/12	21.04	20.47	20.32	20.23
	12/13	21.04	20.44	20.24	20.33		25/25	21.04	20.47	20.28	20.20
	25/0	21.04	20.40	20.33	20.25		50/0	21.04	20.48	20.36	20.24

LTE B4/BW=15M		Average Conducted Power(dBm)				LTE B4/BW=20M		Average Conducted Power(dBm)			
Modula -tion	RB Size/ Offset	Max. Tune-up	Channel/Frequency(MHz)			Modula -tion	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	23.04	22.36	22.26	22.38	QPSK	1/0	23.04	22.31	**22.40**	22.38
	1/37	23.04	22.44	22.30	22.25		1/50	23.04	22.33	22.38	**22.41**
	1/74	23.04	22.29	22.29	22.23		1/99	23.04	**22.37**	22.37	22.25
	36/0	22.04	21.56	21.39	21.41		50/0	22.04	21.35	**21.45**	21.41
	36/19	22.04	21.48	21.46	21.35		50/25	22.04	21.37	21.42	21.33
	36/39	22.04	21.36	21.35	21.23		50/50	22.04	21.38	21.44	21.26
	75/0	22.04	21.42	21.40	21.30		100/0	22.04	21.45	21.39	21.34
16QAM	1/0	22.04	21.29	21.19	21.57	16QAM	1/0	22.04	21.33	21.22	21.29
	1/37	22.04	21.23	21.43	21.45		1/50	22.04	21.23	21.35	21.49
	1/74	22.04	21.30	21.21	21.30		1/99	22.04	21.05	21.19	21.07
	36/0	21.04	20.42	20.21	20.33		50/0	21.04	20.46	20.39	20.42
	36/19	21.04	20.44	20.38	20.34		50/25	21.04	20.36	20.37	20.30
	36/39	21.04	20.30	20.26	20.21		50/50	21.04	20.35	20.35	20.22
	75/0	21.04	20.33	20.38	20.36		100/0	21.04	20.36	20.35	20.32

Note: The tested channels are marks in bold.

8. Conducted power measurement results of LTE B5

LTE B5/BW=1.4M		Average Conducted Power(dBm)				LTE B5/BW=3M		Average Conducted Power(dBm)			
Modula-tion	RB Size/ Offset	Max. Tune-up	Channel/Frequency(MHz)			Modula-tion	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	23.47	23.07	23.08	22.90	QPSK	1/0	23.47	23.04	23.05	23.11
	1/2	23.47	23.10	23.12	22.84		1/7	23.47	23.22	23.05	23.24
	1/5	23.47	22.97	23.03	22.79		1/14	23.47	23.05	22.99	23.07
	3/0	23.47	23.01	22.93	22.87		8/0	22.47	21.93	22.12	21.86
	3/1	23.47	22.95	22.98	22.90		8/3	22.47	22.13	22.07	22.01
	3/3	23.47	22.95	22.95	22.88		8/7	22.47	22.09	21.99	21.93
	6/0	22.47	22.00	22.00	21.93		15/0	22.47	22.11	22.15	21.93
16QAM	1/0	22.47	21.86	22.12	21.78	16QAM	1/0	22.47	21.90	22.05	21.83
	1/2	22.47	22.01	22.17	21.96		1/7	22.47	22.08	22.03	21.91
	1/5	22.47	21.97	22.09	21.75		1/14	22.47	21.88	21.79	21.87
	3/0	22.47	22.15	22.02	21.86		8/0	21.47	20.95	21.07	20.73
	3/1	22.47	22.03	22.08	21.94		8/3	21.47	20.97	21.06	20.78
	3/3	22.47	21.98	22.05	21.86		8/7	21.47	20.93	20.97	20.80
	6/0	21.47	20.88	20.96	20.71		15/0	21.47	20.93	21.06	20.83
LTE B5/BW=5M		Average Conducted Power(dBm)				LTE B5/BW=10M		Average Conducted Power(dBm)			
Modula-tion	RB Size/ Offset	Max. Tune-up	Channel/Frequency(MHz)			Modula-tion	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	23.47	22.78	22.75	23.01	QPSK	1/0	23.47	23.20	**23.07**	23.14
	1/12	23.47	22.78	22.88	22.64		1/24	23.47	**23.28**	23.01	**23.20**
	1/24	23.47	22.83	22.89	22.73		1/49	23.47	22.99	22.96	23.11
	12/0	22.47	21.98	22.09	21.98		25/0	22.47	21.98	21.98	21.99
	12/6	22.47	22.00	22.06	21.79		25/12	22.47	22.03	22.02	**22.11**
	12/13	22.47	21.89	22.14	21.87		25/25	22.47	22.10	22.01	21.93
	25/0	22.47	22.10	22.03	21.91		50/0	22.47	21.96	21.98	21.95
16QAM	1/0	22.47	21.60	21.63	21.76	16QAM	1/0	22.47	21.92	21.89	21.98
	1/12	22.47	21.69	21.72	21.68		1/24	22.47	21.96	21.92	22.03
	1/24	22.47	21.53	21.85	21.72		1/49	22.47	21.77	21.89	21.97
	12/0	21.47	20.90	20.97	20.83		25/0	21.47	20.94	20.87	20.99
	12/6	21.47	21.02	21.00	20.69		25/12	21.47	20.95	21.06	20.85
	12/13	21.47	20.90	20.91	20.91		25/25	21.47	20.93	20.92	20.87
	25/0	21.47	20.93	21.07	20.87		50/0	21.47	20.96	20.85	20.89

Note: The tested channels are marks in bold.

9. Conducted power measurement results of LTE B7

LTE B7/BW=5M		Average Conducted Power(dBm)				LTE B7/BW=10M		Average Conducted Power(dBm)			
Modula-tion	RB Size/ Offset	Max. Tune-up	Channel/Frequency(MHz)			Modula-tion	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	23.01	22.30	22.24	22.27	QPSK	1/0	23.01	22.27	22.24	22.25
	1/12	23.01	22.27	22.25	22.22		1/24	23.01	22.35	22.29	22.24
	1/24	23.01	22.28	22.32	22.29		1/49	23.01	22.32	22.27	22.28
	12/0	22.01	21.37	21.36	21.27		25/0	22.01	21.39	21.21	21.30
	12/6	22.01	21.33	21.26	21.30		25/12	22.01	21.37	21.27	21.25
	12/13	22.01	21.31	21.29	21.32		25/25	22.01	21.29	21.23	21.27
	25/0	22.01	21.34	21.27	21.29		50/0	22.01	21.42	21.25	21.26
16QAM	1/0	22.01	21.29	21.25	21.31	16QAM	1/0	22.01	21.22	21.26	21.22
	1/12	22.01	21.22	21.24	21.27		1/24	22.01	21.30	21.23	21.25
	1/24	22.01	21.17	21.23	21.26		1/49	22.01	21.17	21.15	21.20
	12/0	21.01	20.28	20.19	20.24		25/0	21.01	20.30	20.22	20.35
	12/6	21.01	20.25	20.27	20.20		25/12	21.01	20.30	20.23	20.24
	12/13	21.01	20.31	20.29	20.27		25/25	21.01	20.19	20.24	20.28
	25/0	21.01	20.25	20.21	20.18		50/0	21.01	20.27	20.20	20.32
LTE B7/BW=15M		Average Conducted Power(dBm)				LTE B7/BW=20M		Average Conducted Power(dBm)			
Modula-tion	RB Size/ Offset	Max. Tune-up	Channel/Frequency(MHz)			Modula-tion	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	23.01	22.32	22.28	22.20	QPSK	1/0	23.01	22.35	22.32	22.39
	1/37	23.01	22.37	22.29	22.27		1/50	23.01	**22.37**	**22.34**	**22.41**
	1/74	23.01	22.35	22.24	22.26		1/99	23.01	22.32	22.31	22.28
	36/0	22.01	21.34	21.38	21.35		50/0	22.01	21.30	**21.32**	21.27
	36/19	22.01	21.25	21.22	21.24		50/25	22.01	21.31	21.21	21.29
	36/39	22.01	21.26	21.28	21.31		50/50	22.01	21.27	21.25	21.23
	75/0	22.01	21.23	21.25	21.20		100/0	22.01	21.28	21.22	21.21
16QAM	1/0	22.01	21.28	21.26	21.22	16QAM	1/0	22.01	21.24	21.17	21.25
	1/37	22.01	21.26	21.22	21.19		1/50	22.01	21.23	21.15	21.19
	1/74	22.01	21.21	21.19	21.20		1/99	22.01	21.22	21.19	21.21
	36/0	21.01	20.27	20.28	20.24		50/0	21.01	20.31	20.26	20.24
	36/19	21.01	20.22	20.29	20.29		50/25	21.01	20.30	20.21	20.21
	36/39	21.01	20.28	20.20	20.25		50/50	21.01	20.25	20.22	20.27
	75/0	21.01	20.23	20.27	20.33		100/0	21.01	20.29	20.30	20.22

Note: The tested channels are marks in bold.

10. Conducted power measurement results of WiFi 2.4G

Band	Mode	Channel	Frequency (MHz)	Data Rate (Mbps)	Max. Tune up	Average Power(dBm)
2.4G	802.11b	1	2412	1	11.00	10.60
		7	2442		11.00	10.91
		13	2472		11.00	10.68
	802.11g	1	2412	6	13.00	12.56
		7	2442		13.00	12.52
		13	2472		13.00	12.62
	802.11n HT20	1	2412	MCS0	13.00	12.72
		7	2442		13.00	12.81
		13	2472		13.00	12.86

Note:
1) The Average conducted power of WiFi 2.4G is measured with RMS detector.

11. Conducted power measurement results of WiFi 5.2G

Band	Mode	Channel	Frequency (MHz)	Data Rate (Mbps)	Tune up	Average Power(dBm)
5.2G	802.11a	36	5180	6	7.00	6.77
		40	5200		7.00	6.97
		44	5220		7.00	6.85
		48	5240		7.00	6.79
	802.11n HT20	36	5180	MCS0	7.00	6.56
		40	5200		7.00	6.67
		44	5220		7.00	6.62
		48	5240		7.00	6.57
	802.11n HT40	38	5190	MCS0	7.00	6.49
		46	5230		7.00	6.54
	802.11ac VHT20	36	5180	MCS0	7.00	6.56
		40	5200		7.00	6.69
		44	5220		7.00	6.62
		48	5240		7.00	6.53
	802.11ac VHT40	38	5190	MCS0	7.00	6.51
		46	5230		7.00	6.55
	802.11ac VH80	42	5210	MCS0	7.00	6.28

Note:
1) The Average conducted power of WiFi 5.2G is measured with RMS detector.

12. Conducted power measurement results of WiFi 5.8G

Band	Mode	Channel	Frequency (MHz)	Data Rate (Mbps)	Tune up	Average Power(dBm)
5.8G	802.11a	149	5745	6	4.00	3.73
		157	5785		4.00	3.49
		165	5825		4.00	3.53
	802.11n HT20	149	5745	MCS0	4.00	3.50
		157	5785		4.00	3.72
		165	5825		4.00	3.80
	802.11n HT40	151	5755	MCS0	4.00	3.48
		159	5795		4.00	3.60
	802.11ac VHT20	149	5745	MCS0	4.00	3.50
		157	5785		4.00	3.75
		165	5825		4.00	3.80
	802.11ac VHT40	151	5755	MCS0	4.00	3.47
		159	5795		4.00	3.64
	802.11ac VHT80	155	5775	MCS0	4.00	3.82

Note:
1) The Average conducted power of WiFi 5.8G is measured with RMS detector.