

Appendix E. Conducted Power Measurement Result

1. 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	25.00	23.13	23.15	23.16
RMC 12.2K	25.00	23.13	23.15	23.16
HSDPA Subtest-1	24.00	22.42	22.40	22.46
HSDPA Subtest-2	24.00	22.49	22.52	22.48
HSDPA Subtest-3	23.00	21.99	21.95	21.91
HSDPA Subtest-4	23.00	21.95	21.89	21.95
HSUPA Subtest-1	22.50	21.72	22.13	21.75
HSUPA Subtest-2	22.00	21.20	21.32	21.55
HSUPA Subtest-3	21.50	20.99	20.96	20.63
HSUPA Subtest-4	23.00	21.51	21.70	21.60
HSUPA Subtest-5	23.00	22.60	22.67	21.98
DC-HSDPA Subtest-1	24.00	22.42	22.40	22.46
DC-HSDPA Subtest-2	24.00	22.49	22.52	22.48
DC-HSDPA Subtest-3	23.00	21.99	21.95	21.91
DC-HSDPA Subtest-4	23.00	21.95	21.89	21.95

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 $\leq \frac{1}{4}$ 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) The power of single channel and double channel is smaller than RMC12.2K, so SAR need not be tested.

2. 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	25.00	23.23	23.35	23.36
RMC 12.2K	25.00	23.23	23.35	23.36
HSDPA Subtest-1	24.00	22.39	22.46	22.49
HSDPA Subtest-2	24.00	22.42	22.50	22.55
HSDPA Subtest-3	23.00	21.76	21.85	21.89
HSDPA Subtest-4	23.00	21.78	21.87	21.98
HSUPA Subtest-1	22.50	21.76	22.04	21.85
HSUPA Subtest-2	22.00	21.43	21.12	21.36
HSUPA Subtest-3	21.50	21.02	20.71	21.18
HSUPA Subtest-4	23.00	21.69	21.93	21.72
HSUPA Subtest-5	23.00	22.43	22.48	22.50
DC-HSDPA Subtest-1	24.00	22.39	22.46	22.49
DC-HSDPA Subtest-2	24.00	22.42	22.50	22.55
DC-HSDPA Subtest-3	23.00	21.76	21.85	21.89
DC-HSDPA Subtest-4	23.00	21.78	21.87	21.98

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 $\leq \frac{1}{4}$ 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) The power of single channel and double channel is smaller than RMC12.2K, so SAR need not be tested.

3. 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	25.00	23.00	23.01	23.00
RMC 12.2K	25.00	23.00	23.01	23.00
HSDPA Subtest-1	24.00	22.50	22.43	22.37
HSDPA Subtest-2	24.00	22.42	22.28	22.26
HSDPA Subtest-3	23.00	21.99	21.86	21.79
HSDPA Subtest-4	23.00	21.96	21.85	21.77
HSUPA Subtest-1	22.50	21.56	21.61	21.86
HSUPA Subtest-2	22.00	19.68	19.77	19.46
HSUPA Subtest-3	21.50	20.92	20.91	20.72
HSUPA Subtest-4	23.00	19.48	19.53	19.71
HSUPA Subtest-5	23.00	22.46	22.43	22.36
DC-HSDPA Subtest-1	24.00	22.50	22.43	22.37
DC-HSDPA Subtest-2	24.00	22.42	22.28	22.26
DC-HSDPA Subtest-3	23.00	21.99	21.86	21.79
DC-HSDPA Subtest-4	23.00	21.96	21.85	21.77

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 $\leq \frac{1}{4}$ 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) The power of single channel and double channel is smaller than RMC12.2K, so SAR need not be tested.
- 5) The receiver on/off power of UMTS B5 Down Antenna and Up Antenna are the same.

4. 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	23.50	22.75	22.78	22.75	QPSK	1/0	23.50	22.86	22.82	22.68
	1/2	23.50	22.76	22.78	22.73		1/7	23.50	23.01	22.83	22.84
	1/5	23.50	22.72	22.74	22.46		1/14	23.50	23.03	22.97	22.64
	3/0	23.50	22.18	22.13	22.06		8/0	22.50	21.94	21.88	21.79
	3/1	23.50	22.20	22.18	22.22		8/3	22.50	21.87	21.90	21.81
	3/3	23.50	22.26	22.16	22.02		8/7	22.50	21.82	21.88	21.71
	6/0	22.50	21.32	21.27	21.15		15/0	22.50	21.85	21.87	21.76
16QAM	1/0	22.50	22.04	21.99	22.03	16QAM	1/0	22.50	22.13	22.07	21.95
	1/2	22.50	22.08	21.92	22.37		1/7	22.50	22.11	22.07	21.95
	1/5	22.50	21.87	21.79	22.10		1/14	22.50	22.23	21.83	21.90
	3/0	22.50	21.76	22.01	22.30		8/0	21.50	21.22	21.00	20.89
	3/1	22.50	21.86	22.00	22.33		8/3	21.50	21.10	21.03	20.87
	3/3	22.50	21.91	21.95	22.19		8/7	21.50	21.17	21.02	20.91
	6/0	21.50	21.23	20.87	21.26		15/0	21.50	21.10	21.15	21.05
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	23.50	22.93	22.65	22.63	QPSK	1/0	23.50	22.69	22.70	22.73
	1/12	23.50	22.82	22.70	22.74		1/24	23.50	23.27	22.77	23.02
	1/24	23.50	22.98	22.64	22.82		1/49	23.50	23.08	22.69	22.89
	12/0	22.50	21.94	21.76	21.72		25/0	22.50	21.95	21.84	21.73
	12/6	22.50	21.85	21.89	21.87		25/12	22.50	22.03	21.76	21.93
	12/13	22.50	21.81	21.86	21.80		25/25	22.50	21.88	21.81	21.96
	25/0	22.50	21.96	21.84	21.69		50/0	22.50	21.77	21.85	21.79
16QAM	1/0	22.50	21.70	21.98	22.21	16QAM	1/0	22.50	22.23	21.84	21.93
	1/12	22.50	21.42	22.13	22.40		1/24	22.50	22.21	21.82	22.09
	1/24	22.50	21.39	21.96	21.83		1/49	22.50	22.02	21.89	21.91
	12/0	21.50	20.95	20.91	21.05		25/0	21.50	21.29	21.17	20.93
	12/6	21.50	20.92	21.08	21.18		25/12	21.50	21.13	21.33	21.09
	12/13	21.50	20.89	21.07	21.26		25/25	21.50	21.06	21.24	21.04
	25/0	21.50	21.27	21.21	21.19		50/0	21.50	21.03	21.13	20.78

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	23.50	23.13	22.71	23.03	QPSK	1/0	23.50	22.90	23.18	23.17
	1/37	23.50	23.06	22.88	22.96		1/50	23.50	23.16	23.09	22.94
	1/74	23.50	23.28	22.73	23.04		1/99	23.50	22.84	23.32	23.10
	36/0	22.50	22.11	22.29	21.85		50/0	22.50	22.13	22.03	22.10
	36/19	22.50	22.09	22.06	21.97		50/25	22.50	22.26	22.30	22.11
	36/39	22.50	22.04	21.99	21.93		50/50	22.50	22.09	22.14	22.09
	75/0	22.50	22.00	21.90	21.74		100/0	22.50	22.14	22.07	22.12
16QAM	1/0	22.50	21.86	21.82	21.76	16QAM	1/0	22.50	22.01	21.46	22.27
	1/37	22.50	21.93	21.90	21.80		1/50	22.50	22.19	21.10	21.68
	1/74	22.50	21.90	21.73	22.09		1/99	22.50	21.96	21.80	21.68
	36/0	21.50	20.88	21.43	20.93		50/0	21.50	20.94	20.66	20.84
	36/19	21.50	21.04	21.10	20.86		50/25	21.50	21.15	21.12	20.84
	36/39	21.50	20.93	21.11	20.83		50/50	21.50	21.10	21.06	20.63
	75/0	21.50	21.07	21.04	20.83		100/0	21.50	21.00	20.91	20.80

Note: The tested channels are marks in bold.

5. 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	23.50	22.98	22.82	22.97	QPSK	1/0	23.50	23.12	23.10	22.92
	1/2	23.50	23.12	22.99	23.07		1/7	23.50	23.02	23.10	22.84
	1/5	23.50	22.98	22.97	23.13		1/14	23.50	23.04	23.04	22.87
	3/0	23.50	21.88	21.88	21.85		8/0	22.50	21.98	21.95	21.92
	3/1	23.50	21.85	21.83	21.85		8/3	22.50	21.97	21.94	21.97
	3/3	23.50	21.83	21.83	21.87		8/7	22.50	21.93	21.98	21.93
	6/0	22.50	21.00	21.19	21.06		15/0	22.50	21.90	21.90	21.91
16QAM	1/0	22.50	21.56	21.64	21.68	16QAM	1/0	22.50	21.82	21.80	21.58
	1/2	22.50	21.61	21.94	21.68		1/7	22.50	21.61	21.95	21.71
	1/5	22.50	21.58	21.76	21.58		1/14	22.50	21.60	21.75	21.63
	3/0	22.50	21.92	21.69	21.67		8/0	21.50	21.12	20.66	20.62
	3/1	22.50	21.85	21.74	21.81		8/3	21.50	21.13	20.72	20.71
	3/3	22.50	21.83	21.77	21.71		8/7	21.50	21.12	21.04	20.61
	6/0	21.50	20.97	20.70	20.76		15/0	21.50	20.84	20.92	20.64
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	23.50	22.89	22.49	23.06	QPSK	1/0	23.50	23.16	22.97	22.82
	1/12	23.50	22.88	22.68	22.84		1/24	23.50	23.17	22.96	22.99
	1/24	23.50	22.91	22.79	22.84		1/49	23.50	23.16	22.90	23.16
	12/0	22.50	21.88	21.90	21.96		25/0	22.50	21.94	21.96	21.87
	12/6	22.50	21.92	21.97	21.97		25/12	22.50	21.93	21.98	21.88
	12/13	22.50	21.82	22.01	21.93		25/25	22.50	21.94	21.97	21.89
	25/0	22.50	21.84	21.88	22.01		50/0	22.50	21.89	21.89	21.91
16QAM	1/0	22.50	21.49	21.48	21.88	16QAM	1/0	22.50	21.92	21.76	21.77
	1/12	22.50	21.26	21.53	21.54		1/24	22.50	22.01	21.76	21.98
	1/24	22.50	21.30	21.65	21.73		1/49	22.50	21.91	21.67	21.47
	12/0	21.50	20.83	20.73	21.01		25/0	21.50	21.03	21.11	20.79
	12/6	21.50	20.73	20.80	20.98		25/12	21.50	20.98	21.18	20.98
	12/13	21.50	20.64	20.90	21.02		25/25	21.50	20.92	21.13	20.89
	25/0	21.50	20.84	20.98	21.12		50/0	21.50	20.99	20.77	20.91

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	23.50	23.01	22.62	22.94	QPSK	1/0	23.50	22.74	22.86	22.51
	1/37	23.50	22.90	22.74	22.85		1/50	23.50	22.94	21.86	23.21
	1/74	23.50	22.81	22.75	22.81		1/99	23.50	22.79	22.77	22.50
	36/0	22.50	21.82	21.75	21.90		50/0	22.50	21.93	21.75	21.92
	36/19	22.50	21.89	21.94	21.76		50/25	22.50	21.98	21.82	21.82
	36/39	22.50	21.96	21.90	21.88		50/50	22.50	21.86	21.81	21.68
	75/0	22.50	21.84	21.77	21.91		100/0	22.50	21.94	21.72	21.77
16QAM	1/0	22.50	21.84	21.46	22.09	16QAM	1/0	22.50	21.70	21.28	21.26
	1/37	22.50	21.67	21.60	22.25		1/50	22.50	22.06	20.74	21.48
	1/74	22.50	21.52	21.69	21.71		1/99	22.50	21.70	21.93	21.19
	36/0	21.50	20.83	21.39	20.77		50/0	21.50	20.70	20.54	20.84
	36/19	21.50	20.87	20.95	20.60		50/25	21.50	20.78	20.61	20.80
	36/39	21.50	20.73	20.80	20.62		50/50	21.50	20.74	20.66	20.54
	75/0	21.50	20.74	20.56	20.72		100/0	21.50	20.75	20.60	20.85

Note: The tested channels are marks in bold.

6. 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	25.00	23.31	23.21	23.37	QPSK	1/0	25.00	23.48	23.46	23.30
	1/2	25.00	23.34	23.50	23.45		1/7	25.00	23.28	23.44	23.46
	1/5	25.00	23.20	23.39	23.32		1/14	25.00	23.52	23.45	23.21
	3/0	24.00	22.01	22.41	22.44		8/0	24.00	22.48	22.53	22.51
	3/1	24.00	22.50	22.48	22.16		8/3	24.00	22.13	22.54	22.47
	3/3	24.00	22.48	22.37	22.42		8/7	24.00	22.44	22.27	22.43
	6/0	24.00	22.53	22.52	22.43		15/0	24.00	22.48	22.51	22.27
16QAM	1/0	24.00	22.17	22.22	22.37	16QAM	1/0	24.00	22.54	22.24	22.39
	1/2	24.00	22.25	22.47	22.40		1/7	24.00	22.58	22.55	22.53
	1/5	24.00	22.12	22.40	22.30		1/14	24.00	22.42	22.37	22.31
	3/0	24.00	22.33	22.64	22.57		8/0	23.00	21.09	21.43	21.50
	3/1	24.00	22.34	22.71	22.67		8/3	23.00	21.03	21.25	21.45
	3/3	24.00	22.23	22.57	22.56		8/7	23.00	21.47	21.57	21.42
	6/0	23.00	21.19	21.65	21.74		15/0	23.00	21.63	21.56	21.51
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	25.00	23.03	23.21	23.36	QPSK	1/0	25.00	23.33	23.37	23.31
	1/12	25.00	23.54	23.28	23.53		1/24	25.00	23.58	23.55	23.53
	1/24	25.00	23.42	23.31	23.27		1/49	25.00	23.50	23.24	23.29
	12/0	24.00	22.50	22.54	22.55		25/0	24.00	22.54	22.45	22.41
	12/6	24.00	22.09	22.55	22.07		25/12	24.00	22.42	22.56	22.41
	12/13	24.00	22.53	22.52	22.54		25/25	24.00	22.50	22.34	22.40
	25/0	24.00	22.08	22.50	22.48		50/0	24.00	22.54	22.41	22.42
16QAM	1/0	24.00	22.07	22.36	22.11	16QAM	1/0	24.00	22.48	22.23	22.31
	1/12	24.00	22.09	22.37	22.21		1/24	24.00	22.31	22.17	22.25
	1/24	24.00	22.00	22.01	22.09		1/49	24.00	22.96	22.27	22.35
	12/0	23.00	21.32	21.56	21.43		25/0	23.00	21.50	21.72	21.44
	12/6	23.00	21.43	21.54	21.34		25/12	23.00	21.48	21.72	21.53
	12/13	23.00	21.55	21.57	21.20		25/25	23.00	21.47	21.51	21.52
	25/0	23.00	21.69	21.59	21.55		50/0	23.00	21.46	22.61	21.40

Note: The tested channels are marks in bold.

7. Conducted power measurement results of LTE B12

LTE B12/BW=1.4M		Average Conducted Power(dBm)				LTE B12/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)		
			23017/699.7	23095/707.5	23173/715.3				23025/700.5	23095/707.5	23165/714.5
QPSK	1/0	25.00	23.46	23.37	23.37	QPSK	1/0	25.00	23.48	23.58	23.64
	1/2	25.00	23.66	23.54	23.60		1/7	25.00	23.66	23.52	23.60
	1/5	25.00	23.46	23.61	23.64		1/14	25.00	23.42	23.70	23.70
	3/0	24.00	22.54	22.50	22.34		8/0	24.00	22.52	22.55	22.66
	3/1	24.00	22.61	22.62	22.54		8/3	24.00	22.51	22.64	22.53
	3/3	24.00	22.53	22.55	22.65		8/7	24.00	22.61	22.66	22.66
	6/0	24.00	22.54	22.58	22.48		15/0	24.00	22.53	22.58	22.57
16QAM	1/0	24.00	22.47	22.53	22.46	16QAM	1/0	24.00	22.59	22.44	22.72
	1/2	24.00	22.49	22.69	22.69		1/7	24.00	22.58	22.99	22.64
	1/5	24.00	22.35	22.61	22.74		1/14	24.00	22.35	22.33	22.72
	3/0	24.00	22.62	22.32	22.37		8/0	23.00	21.87	21.69	21.50
	3/1	24.00	22.64	22.40	22.87		8/3	23.00	21.40	21.96	21.38
	3/3	24.00	22.66	22.48	22.91		8/7	23.00	21.52	21.98	21.54
	6/0	23.00	21.59	21.45	21.62		15/0	23.00	21.66	21.78	21.58
LTE B12/BW=5M		Average Conducted Power(dBm)				LTE B12/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)		
			23035/701.5	23095/707.5	23155/713.5				23060/704	23095/707.5	23130/711
QPSK	1/0	25.00	23.55	23.28	23.60	QPSK	1/0	25.00	23.58	23.32	23.45
	1/12	25.00	23.50	23.42	23.39		1/24	25.00	23.58	23.63	23.66
	1/24	25.00	23.39	23.24	23.65		1/49	25.00	23.72	23.45	23.50
	12/0	24.00	22.58	22.56	22.54		25/0	24.00	22.45	22.48	22.68
	12/6	24.00	22.49	22.67	22.53		25/12	24.00	22.42	22.63	22.56
	12/13	24.00	22.40	22.66	22.50		25/25	24.00	22.67	22.66	22.60
	25/0	24.00	22.49	22.56	22.58		50/0	24.00	22.60	22.54	22.60
16QAM	1/0	24.00	22.84	22.19	22.69	16QAM	1/0	24.00	22.24	22.06	22.20
	1/12	24.00	22.53	22.65	22.13		1/24	24.00	22.24	22.43	22.61
	1/24	24.00	22.74	22.40	22.98		1/49	24.00	22.30	22.13	22.02
	12/0	23.00	21.57	21.44	21.38		25/0	23.00	21.38	21.39	21.63
	12/6	23.00	21.72	21.78	21.49		25/12	23.00	21.48	21.63	21.63
	12/13	23.00	21.46	21.68	21.45		25/25	23.00	21.64	21.63	21.49
	25/0	23.00	21.73	21.56	21.50		50/0	23.00	21.66	21.53	21.59

Note: The tested channels are marks in bold.

8. Conducted power measurement results of LTE B13

LTE B13/BW=5M		Average Conducted Power(dBm)				LTE B13/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)
			23205/ 779.5	23230/ 782	23255/ 784.5				23230/ 782
QPSK	1/0	25.00	23.29	23.23	23.54	QPSK	1/0	25.00	23.43
	1/12	25.00	23.26	23.32	23.71		1/24	25.00	23.61
	1/24	25.00	23.34	23.31	23.64		1/49	25.00	23.75
	12/0	24.00	22.57	22.51	22.60		25/0	24.00	22.57
	12/6	24.00	22.62	22.60	22.62		25/12	24.00	22.63
	12/13	24.00	22.55	22.62	22.62		25/25	24.00	22.48
	25/0	24.00	22.51	22.52	22.51		50/0	24.00	22.53
16QAM	1/0	24.00	22.87	22.15	22.49	16QAM	1/0	24.00	22.68
	1/12	24.00	22.83	22.14	22.57		1/24	24.00	22.83
	1/24	24.00	22.08	22.27	22.36		1/49	24.00	22.46
	12/0	23.00	21.51	21.48	21.37		25/0	23.00	21.69
	12/6	23.00	21.37	21.58	21.45		25/12	23.00	21.57
	12/13	23.00	21.39	21.48	21.58		25/25	23.00	21.60
	25/0	23.00	21.42	21.58	21.54		50/0	23.00	21.48

Note: The tested channels are marks in bold.

9. Conducted power measurement results of LTE B14

LTE B14/BW=5M		Average Conducted Power(dBm)				LTE B14/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)
			23305/ 790.5	23330/ 793	23355/ 795.5				23330/ 793
QPSK	1/0	25.00	23.21	23.62	23.46	QPSK	1/0	25.00	23.50
	1/12	25.00	23.40	23.61	23.65		1/24	25.00	23.88
	1/24	25.00	23.28	23.65	23.74		1/49	25.00	23.75
	12/0	24.00	22.59	22.60	22.65		25/0	24.00	22.61
	12/6	24.00	22.59	22.63	22.65		25/12	24.00	22.66
	12/13	24.00	22.58	22.54	22.61		25/25	24.00	22.59
	25/0	24.00	22.59	22.54	22.59		50/0	24.00	22.60
16QAM	1/0	24.00	22.12	22.19	22.53	16QAM	1/0	24.00	22.25
	1/12	24.00	22.41	22.15	22.73		1/24	24.00	22.96
	1/24	24.00	22.06	22.13	22.66		1/49	24.00	22.58
	12/0	23.00	21.42	21.63	21.48		25/0	23.00	21.55
	12/6	23.00	21.43	21.59	21.75		25/12	23.00	21.51
	12/13	23.00	21.38	21.43	21.65		25/25	23.00	21.53
	25/0	23.00	21.50	21.72	21.82		50/0	23.00	21.59

Note: The tested channels are marks in bold.

10. Conducted power measurement results of LTE B66

LTE B66/BW=1.4M		Average Conducted Power(dBm)				LTE B66/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)		
			131979/1710.7	132322/1745	132665/1779.3				131987/1711.5	132322/1745	132657/1778.5
QPSK	1/0	23.50	22.50	22.82	22.81	QPSK	1/0	23.50	22.66	22.71	22.88
	1/2	23.50	22.56	22.82	22.90		1/7	23.50	22.85	22.83	22.92
	1/5	23.50	22.62	22.69	22.79		1/14	23.50	22.92	22.69	22.84
	3/0	23.50	21.83	21.73	21.78		8/0	22.50	21.84	21.86	21.97
	3/1	23.50	21.81	21.76	21.89		8/3	22.50	21.82	21.79	21.99
	3/3	23.50	21.73	21.75	21.85		8/7	22.50	21.69	21.77	21.90
	6/0	22.50	21.76	21.66	21.75		15/0	22.50	21.71	21.76	21.68
16QAM	1/0	22.50	21.50	21.50	21.62	16QAM	1/0	22.50	21.54	21.53	21.92
	1/2	22.50	21.69	21.61	21.54		1/7	22.50	21.56	21.52	21.42
	1/5	22.50	21.64	21.46	21.70		1/14	22.50	21.39	21.37	21.56
	3/0	22.50	21.82	21.43	21.85		8/0	21.50	21.04	20.87	21.29
	3/1	22.50	21.88	21.37	21.82		8/3	21.50	21.08	20.88	21.20
	3/3	22.50	21.76	21.32	21.70		8/7	21.50	21.06	20.75	21.00
	6/0	21.50	21.01	20.71	20.96		15/0	21.50	20.90	20.82	21.01
LTE B66/BW=5M		Average Conducted Power(dBm)				LTE B66/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)		
			131997/1712.5	132322/1745	132647/1777.5				132022/1715	132322/1745	132622/1775
QPSK	1/0	23.50	22.68	22.62	22.77	QPSK	1/0	23.50	22.69	22.78	22.97
	1/12	23.50	22.71	22.53	22.82		1/24	23.50	23.05	22.83	23.26
	1/24	23.50	22.68	22.41	22.82		1/49	23.50	22.88	22.61	23.06
	12/0	22.50	21.80	21.86	21.96		25/0	22.50	21.84	21.90	21.90
	12/6	22.50	21.73	21.80	21.99		25/12	22.50	21.74	21.82	21.94
	12/13	22.50	21.63	21.71	21.98		25/25	22.50	21.64	21.53	21.85
	25/0	22.50	21.67	21.69	22.05		50/0	22.50	21.71	21.63	21.68
16QAM	1/0	22.50	21.14	21.66	21.74	16QAM	1/0	22.50	21.58	21.53	21.67
	1/12	22.50	21.18	21.62	21.85		1/24	22.50	21.70	21.39	21.76
	1/24	22.50	21.07	21.44	21.31		1/49	22.50	21.47	21.01	21.88
	12/0	21.50	20.53	20.72	21.01		25/0	21.50	20.71	20.68	20.96
	12/6	21.50	20.49	20.87	20.97		25/12	21.50	20.66	20.75	21.07
	12/13	21.50	20.44	20.85	20.86		25/25	21.50	20.60	20.70	21.01
	25/0	21.50	20.71	20.66	20.95		50/0	21.50	20.74	20.90	20.89

LTE B66/BW=15M		Average Conducted Power(dBm)				LTE B66/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)		
			132047/1717.5	132322/1745	132597/1772.5				132072/1720	132322/1745	132572/1770
QPSK	1/0	23.50	22.69	22.83	22.73	QPSK	1/0	23.50	22.46	22.99	22.28
	1/37	23.50	23.03	22.69	22.88		1/50	23.50	22.61	21.63	23.27
	1/74	23.50	22.61	22.61	22.71		1/99	23.50	22.32	22.79	22.59
	36/0	22.50	21.70	21.45	21.65		50/0	22.50	21.81	21.86	21.63
	36/19	22.50	21.59	21.81	21.84		50/25	22.50	21.60	21.88	21.90
	36/39	22.50	21.57	21.54	21.85		50/50	22.50	21.63	21.54	22.00
	75/0	22.50	21.71	21.65	21.75		100/0	22.50	21.78	21.76	21.76
16QAM	1/0	22.50	21.70	21.24	21.80	16QAM	1/0	22.50	21.61	21.49	21.25
	1/37	22.50	21.74	21.55	22.41		1/50	22.50	21.85	20.73	22.13
	1/74	22.50	21.27	20.87	22.05		1/99	22.50	21.03	21.22	21.62
	36/0	21.50	20.71	20.87	20.39		50/0	21.50	20.83	20.67	20.67
	36/19	21.50	20.65	20.92	20.66		50/25	21.50	20.68	20.93	20.95
	36/39	21.50	20.49	20.59	20.67		50/50	21.50	20.73	20.52	20.92
	75/0	21.50	20.71	20.68	20.64		100/0	21.50	20.65	20.64	20.69

Note: The tested channels are marks in bold.

11. Conducted power measurement results of LTE B71

LTE B71/BW=5M		Average Conducted Power(dBm)				LTE B71/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)		
			133147/665.5	133297/680.5	133447/695.5				133172/668	133297/680.5	133422/693
QPSK	1/0	25.00	23.16	23.14	23.04	QPSK	1/0	25.00	23.35	23.39	23.41
	1/12	25.00	23.23	23.31	23.24		1/24	25.00	23.40	23.31	23.40
	1/24	25.00	23.28	23.29	23.30		1/49	25.00	23.39	23.27	23.31
	12/0	24.00	22.50	22.48	22.45		25/0	24.00	22.56	22.52	22.46
	12/6	24.00	22.53	22.56	22.53		25/12	24.00	22.57	22.55	22.45
	12/13	24.00	22.54	22.55	22.55		25/25	24.00	22.46	22.55	22.52
	25/0	24.00	22.48	22.46	22.44		50/0	24.00	22.45	22.41	22.48
16QAM	1/0	24.00	22.18	22.10	22.49	16QAM	1/0	24.00	22.44	22.21	22.59
	1/12	24.00	22.41	22.37	22.60		1/24	24.00	22.42	22.91	22.66
	1/24	24.00	22.09	22.03	22.54		1/49	24.00	22.12	22.25	22.52
	12/0	23.00	21.30	21.41	21.37		25/0	23.00	21.66	21.41	21.34
	12/6	23.00	21.60	21.43	21.47		25/12	23.00	21.74	21.33	21.40
	12/13	23.00	21.56	21.39	21.43		25/25	23.00	21.52	21.25	21.44
	25/0	23.00	21.50	21.59	21.51		50/0	23.00	21.52	21.31	21.30
LTE B71/BW=15M		Average Conducted Power(dBm)				LTE B71/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)		
			133197/670.5	133297/680.5	133397/690.5				133222/673	133322/683	133372/688
QPSK	1/0	25.00	23.39	23.43	23.27	QPSK	1/0	25.00	23.02	23.09	23.10
	1/37	25.00	23.44	23.27	23.37		1/50	25.00	23.09	23.46	23.44
	1/74	25.00	23.41	23.04	23.38		1/99	25.00	23.12	23.15	23.13
	36/0	24.00	22.55	22.50	22.46		50/0	24.00	22.39	22.56	22.58
	36/19	24.00	22.52	22.55	22.53		50/25	24.00	22.55	22.53	22.55
	36/39	24.00	22.49	22.50	22.54		50/50	24.00	22.42	22.57	22.47
	75/0	24.00	22.48	22.46	22.36		100/0	24.00	22.49	22.41	22.38
16QAM	1/0	24.00	22.38	22.07	22.93	16QAM	1/0	24.00	22.32	22.00	22.12
	1/37	24.00	23.01	22.31	22.87		1/50	24.00	22.74	22.81	22.34
	1/74	24.00	22.41	22.12	23.00		1/99	24.00	22.07	22.11	22.03
	36/0	23.00	21.49	21.44	21.35		50/0	23.00	21.15	21.40	21.21
	36/19	23.00	21.39	21.35	21.41		50/25	23.00	21.49	21.21	21.21
	36/39	23.00	21.28	21.46	21.42		50/50	23.00	21.35	21.14	21.20
	75/0	23.00	21.36	21.49	21.27		100/0	23.00	21.35	21.35	21.23

Note: The tested channels are marks in bold.