



# Appendix B

## WCDMA Band IV



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# 1. Effective (Isotropic) Radiated Power

## 1.1. Test Result

Band	Channel	Conducted Power (dBm)	EIRP (dBm)	Limit(dBm)	Verdict
Band IV	1312	21.95	20.55	30.00	PASS

Remark:

a: For getting the EIRP (Efficient Isotropic Radiated Power), the following formula should be taken to calculate it,

$$ERP [dBm] = \text{Conducted Power} [dBm] + \text{Gain} [dBd]$$

$$EIRP [dBm] = \text{Conducted Power} [dBm] + \text{Gain} [dBi]$$



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## 2. Field Strength of Spurious Radiation

### 2.1. Test Band = WCDMA\_IV\_TM1

#### 2.1.1. Test Channel = LOW Channel

Suspected Data List						
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	44.1863	-57.14	-48.06	-13.00	35.06	Horizontal
2	198.1738	-57.66	-56.30	-13.00	43.30	Horizontal
3	999.2725	-57.03	-38.87	-13.00	25.87	Horizontal
4	2999.0000	-66.62	-31.93	-13.00	18.93	Horizontal
5	7467.1489	-51.06	-49.34	-13.00	36.34	Horizontal
6	16988.966	-53.99	-37.56	-13.00	24.56	Horizontal

### 2.2. Test Band = WCDMA\_IV\_TM1

#### 2.2.1. Test Channel = LOW Channel

Suspected Data List						
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	66.4963	-58.00	-54.26	-13.00	41.26	Vertical
2	109.7825	-57.17	-48.32	-13.00	35.32	Vertical
3	691.9038	-56.17	-46.17	-13.00	33.17	Vertical
4	995.9988	-56.84	-39.23	-13.00	26.23	Vertical
5	2112.5000	-58.60	-31.44	-13.00	18.44	Vertical
6	17963.998	-54.23	-34.70	-13.00	21.70	Vertical

Remark:

- 1 According to 971168 D01 Power Meas License Digital Systems, The amplitudes of unwanted emissions that are attenuated more than 20 dB below the applicable limit are not required to be reported.
- 2 The disturbance below 30MHz was very low, and the above harmonics were the highest point could be found when testing, so only the worst case data had been displayed.

The End



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