

North Asia 5G

Information update about China mainland 5G (from Internet)

1. in November 2017, Ministry of Industry and Information Technology of PRC published the 5G strategy for China mainland, spectrum range is 3GHz-5GHz; the specific spectrum distribution are,

- 3.3GHz-3.4GHz (mainly for inhouse use)
- 3.4GHz-3.6GHz
- 4.8-5GHz

2. Spectrums in China mainland are allocated by the government to the communication service providers but not through the auction;

3. for the 3 main communication service providers

China Mobile, 2515MHz-2675MHz, 4800MHz-4900MHz;

China Unicom, 3500MHz-3600MHz

China Telecom, 3400MHz-3500MHz

Another 1 new service provider,

China Radio and Television Network Co. Ltd, 700MHz

1GHz=1000MHz

4.



	Radio Spectrums being used	Feedback from local CAA
China mainland	As above sheet	Spectrums have a certain separation with the working frequency of the radio altimeter, the power of the China mainland 5G is not as high as that of the US
Hongkong, China	(information from HKCAD) 3.3-3.5GHz	Spectrums away from the RA band of 4.2-4.4GHz when comparing with the U.S. There is currently no clear evidence that the relevant 5G base stations will interfere with RA
Chinese Taipei	(information from Chinese Taipei CAA) 3.3-3.75GHz	will not impact the flight safety so far to see