

Name: Mr Ian Hessey

Question 1: do you agree with the proposal to vary Vodafone's 900 MHz, 1800 MHz and 2100 MHz licences and H3G's 2100 MHz licence so as to permit those frequencies to be used to deploy 4G technologies?

Yes.

Question 2: do you agree with the proposal to vary Telefónica's 900 MHz, 1800 MHz and 2100 MHz licences and EE's 2100 MHz licence so as to permit those frequencies to be used to deploy 4G technologies where we receive formal requests to do so?

Yes

Question 3: do you agree with the proposal to vary the 900 MHz licences to increase the maximum power limit for UMTS by 3dB from 62 dBm e.i.r.p. per carrier to 65 dBm e.i.r.p. per carrier?

No

Question 4: do you agree with the changes proposed in section 5?

Yes

Additional comments:

I feel that giving Telefónica, Vodafone and H3G the right to transmit 4G Technologies on the bands they have now will improve all of the UKs mobile networks from the word go.

I think getting 4G up before and over 80% of the UK should be easy for them to do if give the right to transmit on LTE on the bands they have now for 2G and 3G.

I feel 2G should be at a point of switch off now. And I don't think any of the licences should grant Telefónica, Vodafone, EE and H3G the right to transmit 2G after Q4 2014.

Any of said firms Telefónica, Vodafone, EE and H3G should make sure if there is a 4G area there 4G is faster than there 3G.

I feel there is no need for there to be a increase in power by 3dB. Increasing power at the cell site will let it transmit slightly faster speeds and will let it get that bit more distance. But it will make more noise on the band, Handsets and mobile internet will still only transmit at there standard rates. So the cell site will not hear the hand set any better. If anything I feel with more and more cell phone users it will be a waste of time and give cell phone users more drop outs than the user would have for.

A far better solution would be to have the 900mhz masts higher than they are now. With a higher antenna the cell site can transmit longer distance without the need for more power and the cell tower will TX and RX better with the cell phone or modem at that longer distance.

Yes as there is a gain loss in the cable but the gain loss in the cable cell towers host is very low. Good high antennas with good low loss cable cuts the need for more power, witch in tern will cut any problems that would come from terning the power up.

Because of the wave length at 900mhz the signal has no problems going long range on small power, and can penetrate buildings far better than the wave length at 2100mhz and 2600mhz. If anything the power should be increased on 2.1ghz and 2.6ghz because of the problems the wave length has penetrating buildings. I fail to see how 3dB more in power is going to make much of a better network when antenna hight is the real key at such low wavelength.