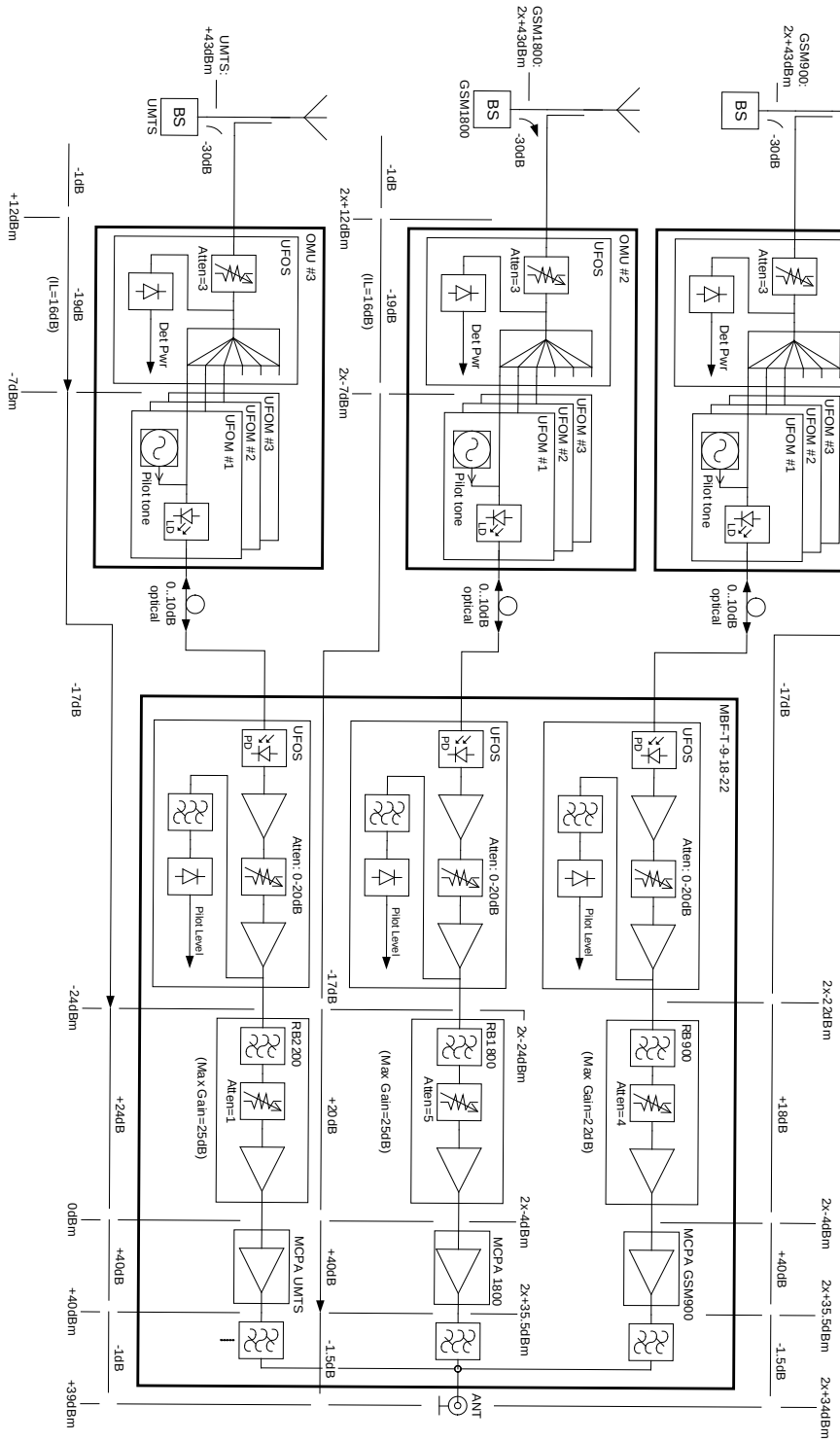The correct interface level at the optical fibre converter is -5dBm/carrier in 900MHz and -7dBm/carrier in both GSM1800 and UMTS bands. An attenuation of 48dB in 900MHz and 50dB in 1800/UMTS is therefore required between them.