

Wir stehen für **Wettbewerb** und **Medienvielfalt**.

RTR

Update Frequenzen

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Spectrum Inventory

May 2013: Commission Implementing Decision defining the practical arrangements, uniform formats and a methodology in relation to the radio spectrum inventory established by *Decision No 243/2012/EU of the European Parliament and of the Council establishing a multiannual radio spectrum policy programme*

<http://eur-lex.europa.eu/LexUriServ/LexUriServ.do?uri=OJ:L:2013:113:0018:0021:EN:PDF>

- Frequency range 400 MHz – 6 GHz
- Collection and provision of data
- Identification for future demand for spectrum
(technical/economic efficiency, socioeconomic impact on existing users)



Mandate to CEPT on BEM for 3,4-3,8 GHz – ongoing work (1)

- Frequency arrangement: (ECC/DEC/(11)06):

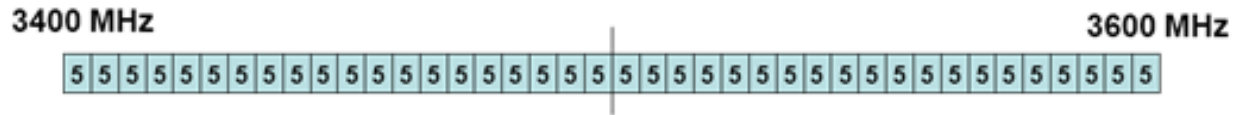


Figure 1: Frequency arrangement for the 3400-3600 MHz band based on TDD

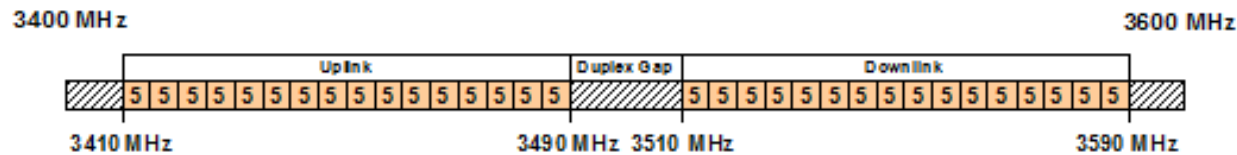


Figure 2: Frequency arrangement for the 3400-3600 MHz band based on FDD



Figure 3: Frequency arrangement for the 3600-3800 MHz band based on TDD

Mandate to CEPT on BEM for 3,4-3,8 GHz – ongoing work (2)

- Block Edge Masks: (ECC(13)033):

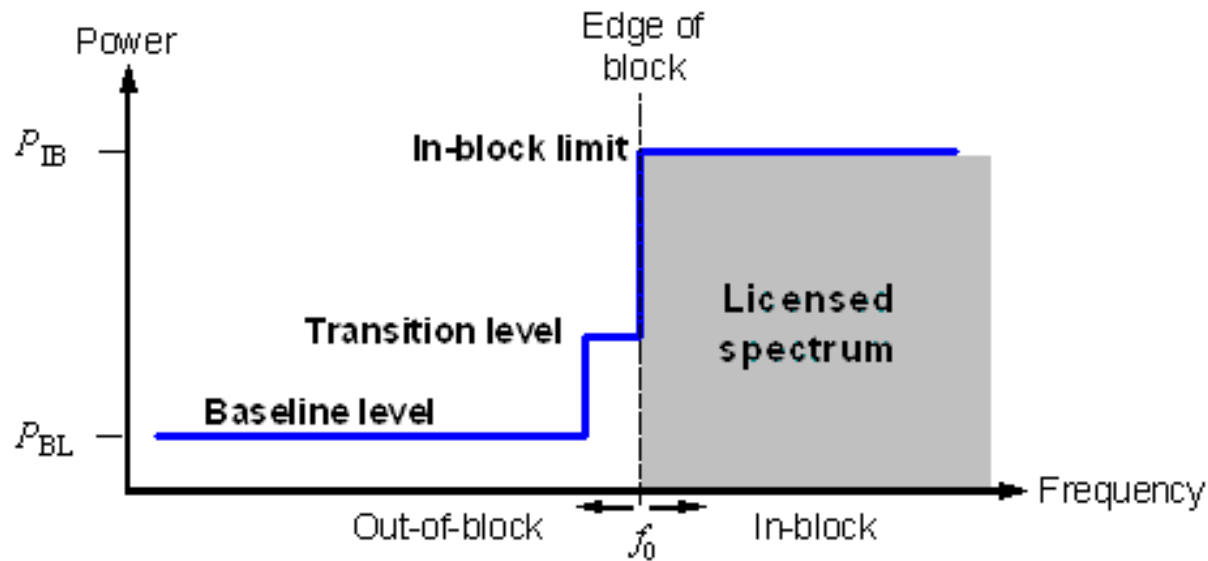


Figure 1: Illustration of a general block-edge mask



Mandate to CEPT on BEM for 3,4-3,8 GHz – ongoing work (3)

- Block Edge Masks in ECC(13)033:

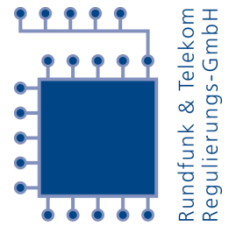
Table 1: BEM elements

BEM element	Region of applicability
In-block	Block for which the BEM is derived
Baseline	Spectrum assigned for TDD and FDD UL and DL
Transitional region	For FDD DL blocks, the transitional region applies 0 to 10 MHz below and above the block assigned to the operator. For TDD blocks, the transitional region applies 0 to 10 MHz below and above the block assigned to the operator, in spectrum that is not assigned to another operator, including the guard band 3590–3800 MHz, or in case of synchronized blocks with the same UL/DL configuration.
Guard bands	3400–3410, 3490–3510 and 3590–3800 MHz (for an FDD allocation)

Table 2: Baseline and guard band power limits

BEM element	Frequency range	Power limit
Baseline	FDD DL (3510 – 3590 MHz). Synchronized TDD blocks with the same UL/DL configuration (3400–3800 or 3600–3800 MHz).	Min($P_{Max} - 43, 13$) dBm/5 MHz e.i.r.p. per antenna
Baseline	FDD UL (3410 – 3490 MHz). TDD (3400–3800 or 3600–3800 MHz) (unless synchronized).	-34 dBm/5 MHz e.i.r.p. per cell ⁽¹⁾
Guard band	3400–3410 MHz	-34 dBm/5 MHz e.i.r.p. per cell
Guard band	3490–3500 MHz	-23 dBm/5 MHz e.i.r.p. per antenna
Guard band	3500–3510 MHz	Min($P_{Max} - 43, 13$) dBm/5 MHz e.i.r.p. per antenna
Guard band	3590–3800 MHz	Min($P_{Max} - 43, 13$) dBm/5 MHz e.i.r.p. per antenna

(1) In case of multiple antennas with different polarization, the power limit should be relaxed to -31 dBm/5 MHz e.i.r.p. per cell.



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