The Level correction of MAT800/810 corresponding to several input frequency
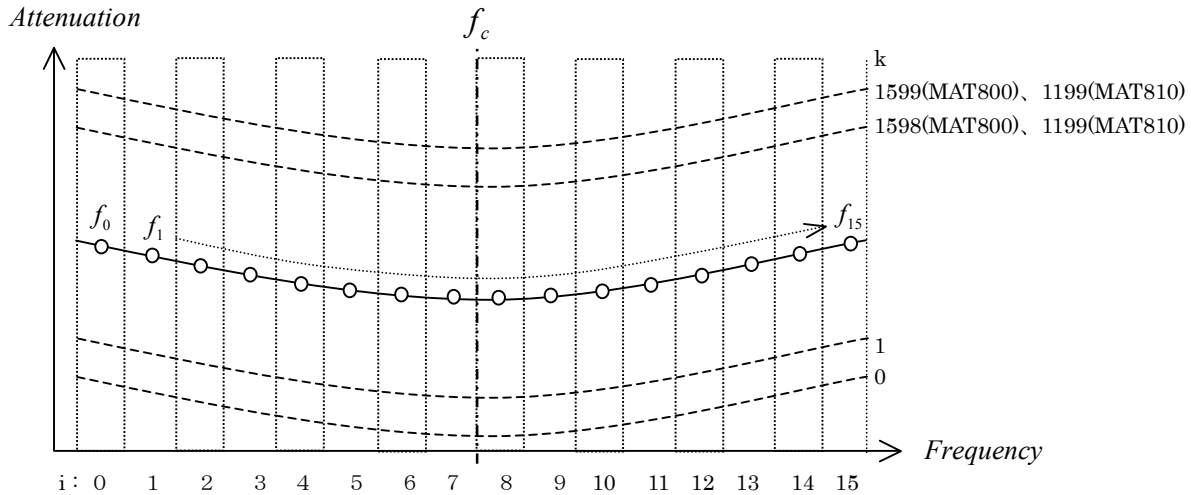
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Fig.1   Attenuation of MAT800/810 corresponding to 16-frequency range.

The attenuation level of MAT800/810 has some frequency response that is higher at minimum frequency " f_0 " and maximum frequency " f_{15} " and lower at the center frequency " f_c " as shown in Fig.1.

Therefore, the attenuation levels are calibrated according to 16 frequency ranges, from " f_0 " to " f_{15} ", by 1600 steps(MAT800) or 1200 steps(MAT810).

MAT800 has 1600 step of attenuation level, 0 dB to 80dB by 0.05dB step.

MAT810 has 1200 step of attenuation level, 0 dB to 60dB by 0.05dB step.

The attenuation levels are corrected for all 1600(MAT800) or 1200(MAT810) step using a SG and a power-meter.

In the case you use MAT800/810 at " f_i " frequency or around " f_i ", you select a frequency range using the keys and the data-knob of MAT800/810, and the MAT800/810 make a attenuation level corrected at the frequency " f_i ".

 By above correction, MAT800/810 is improved to make correct attenuation level for all frequency range.