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Radio Frequency Exposure Information

For AT&T EP5962

5.8 GHz Cordless Telephone

Note: This information is for AT&T EP5962 handset (FCC ID : EW780-5681-00)

Normal Mode Operation :

- (1) Max. Output Power – 295.8 mW (24.71 dBm)
- (2) Duty cycle – 820us / 10ms = 8.2 % (single-slot transmission)

The average effective output power is :

$$295.8 \text{ mW} \times 8.2\% = 24.26 \text{ mW}$$

Enhanced Mode Operation :

- (1) Max. Output Power – 295.8 mW (24.71 dBm)
- (2) Duty cycle – 820us / 10ms x 2 = 16.4 % (2-slot transmission – the worst case)

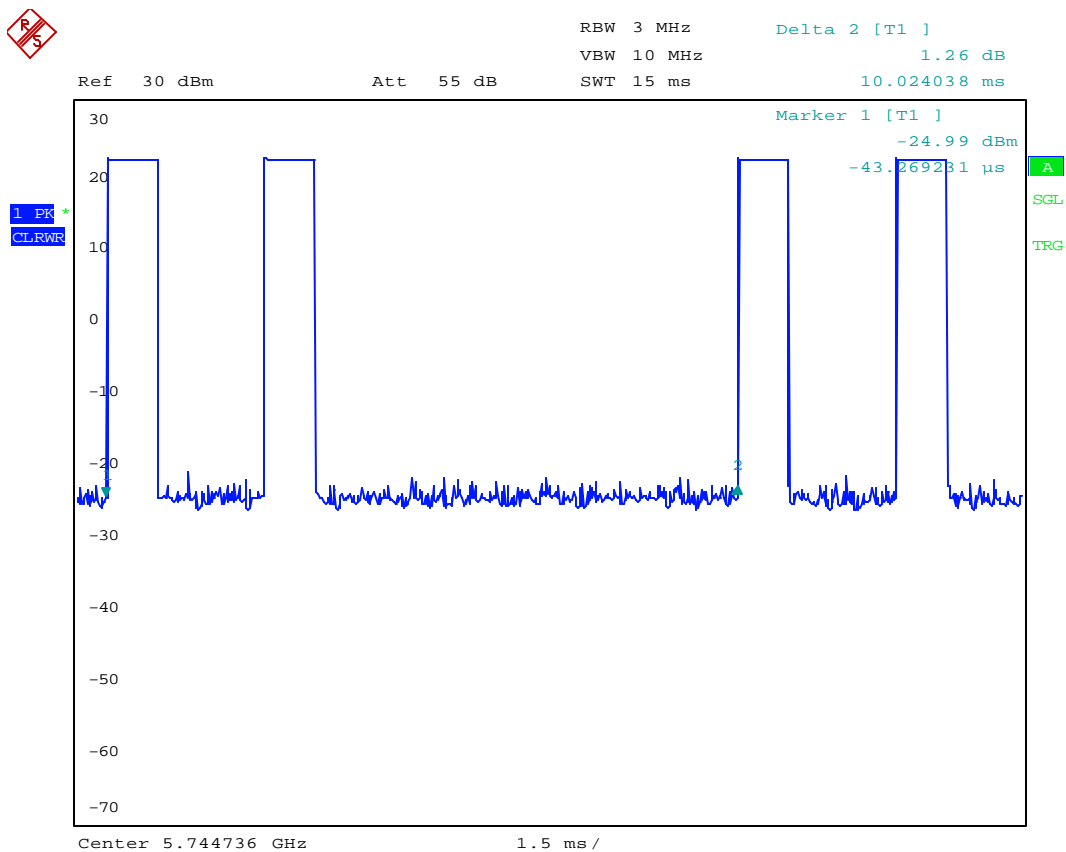
Under the worst situation with interference or near out-of-range, dual slot diversity gives the max. duty cycle on the handset Tx (ie. 8.2% x2 or 16.4%)

Hence, taking the max. output power & max. duty cycle, the (max.) average effective output power is :

$$295.8 \text{ mW} \times 16.4\% = 48.51 \text{ mW}$$

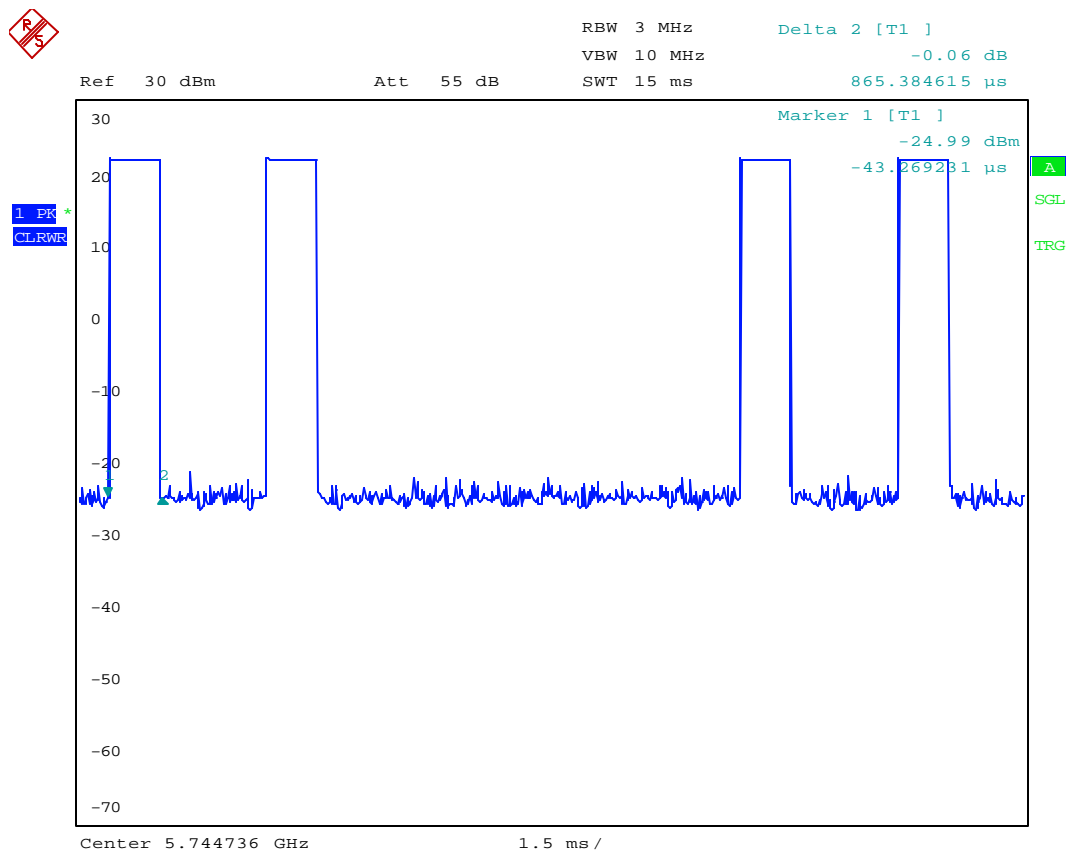
Conclusion : The (max.) average effective output power is lower than the 50mW threshold level. Hence, there is no RF exposure concerns on this handset.

Plot #1 – showing each transmission frame is 10ms.



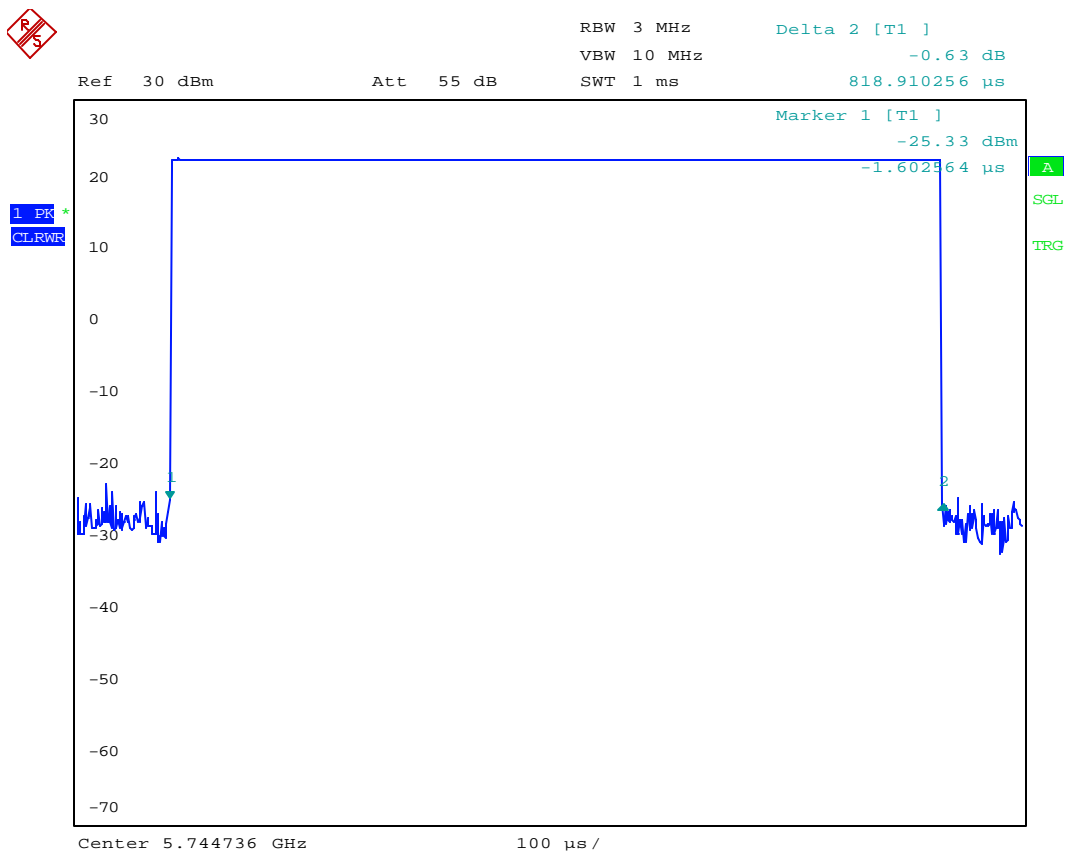
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Plot #2 – showing the approximate duration of 1-slot transmission is 865 us.



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Plot #3 – showing the actual 1-slot timing in expanded view (818.9us)



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