

FCC power thresholds:

f_{GHz}	60/f direct-contact uncontrolled $d < 2.5 \text{ cm}$	120/f non-contact uncontrolled $d \geq 2.5 \text{ cm}$
0.915446	65.54mW	131.08mW
0.9	67mW	133mW

1. $120/f$ = non-contact uncontrolled
2. d is the distance to a person's body.

No evaluation required if power is below this threshold:

f_{GHz}	P_{out}
0.915446	131.08mW

RF conducted peak power measured = 867.0mW

Source-based time-average factor $\approx 2.0 / (2.0 + 0.7) \times 10 \% = 0.0741$

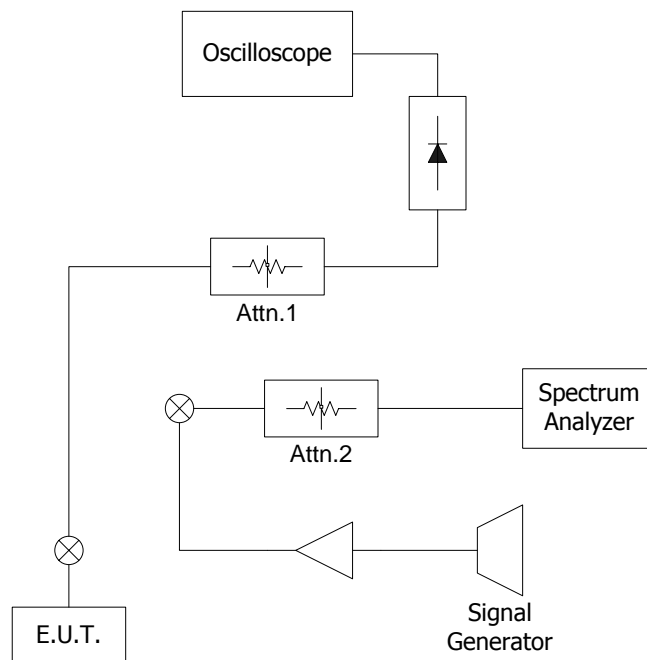
Antenna Gain = 0 dBi

Threshold for no SAR evaluation is 131.08mW

Transmitter power is 867.0mW \times 0.0741 = 64.2mW.

Conclusion: No SAR evaluation required since Transmitter Power is below FCC power thresholds

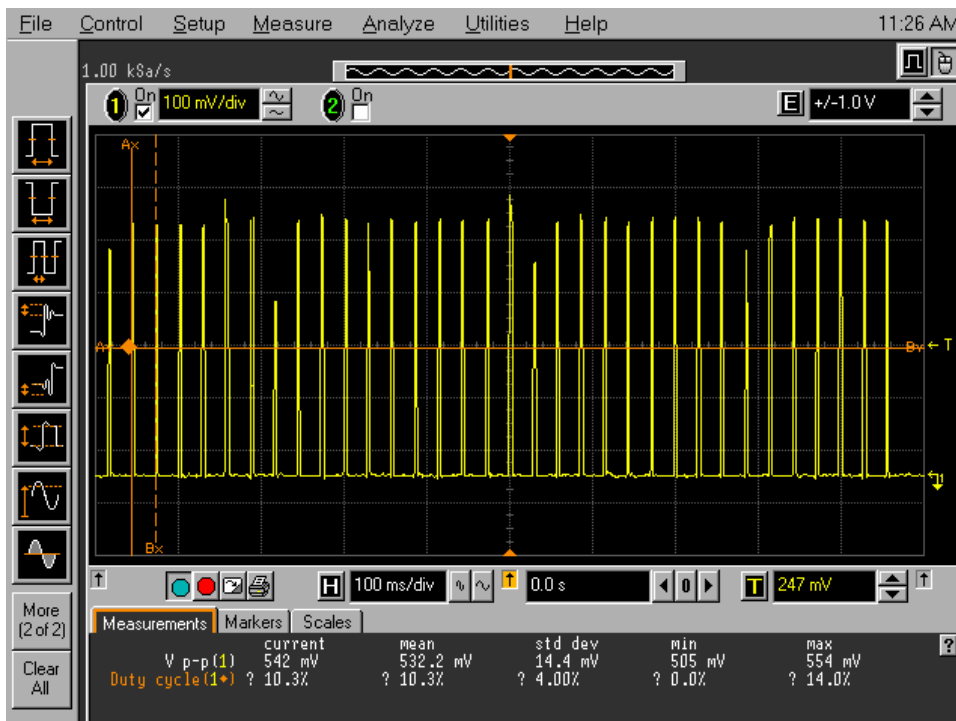
Block diagram for RF conducted peak power measurement (Substitution method)



Source-based time-average factor



Burst mode ≈ 2.0 sec ON : 0.7 sec OFF



Duty cycle of each bursting $\approx 10\%$