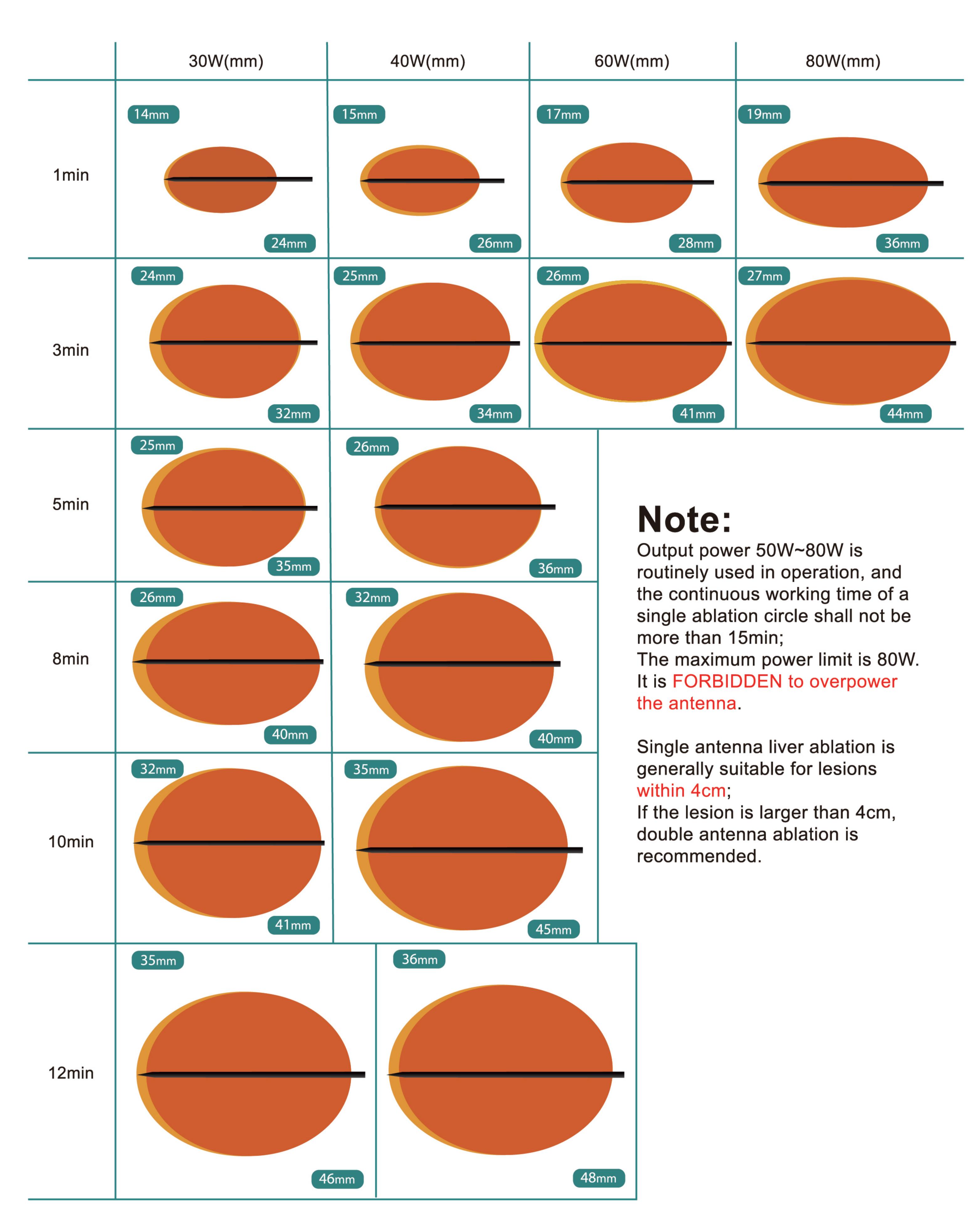


# Ablation Zone Chart

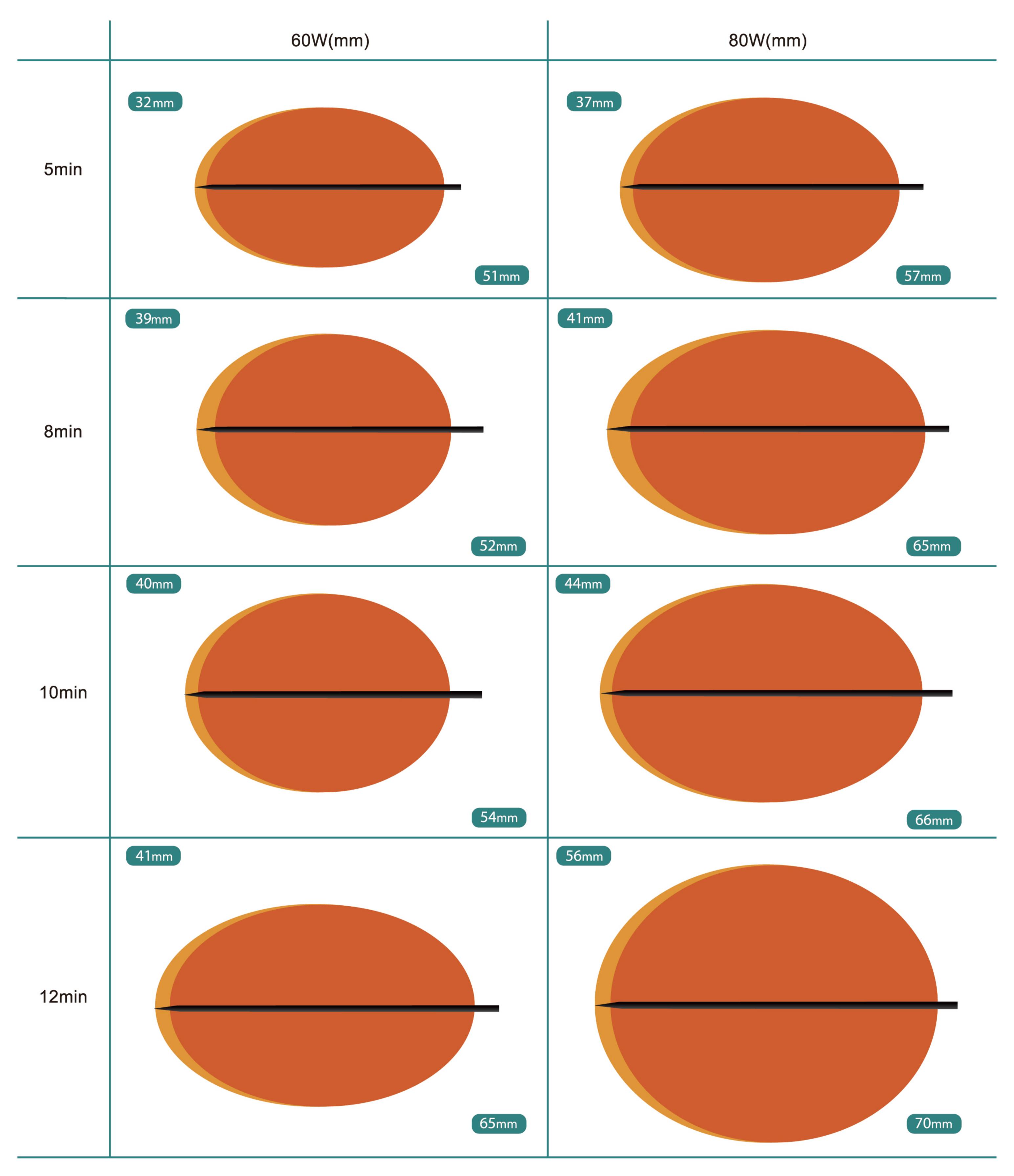
Disposable Microwave Therapeutic Antennas



# Ex Vivo Porcine Liver Ablation Data 14G Ceramic Antenna on Continuous Mode (for lesion<40mm)

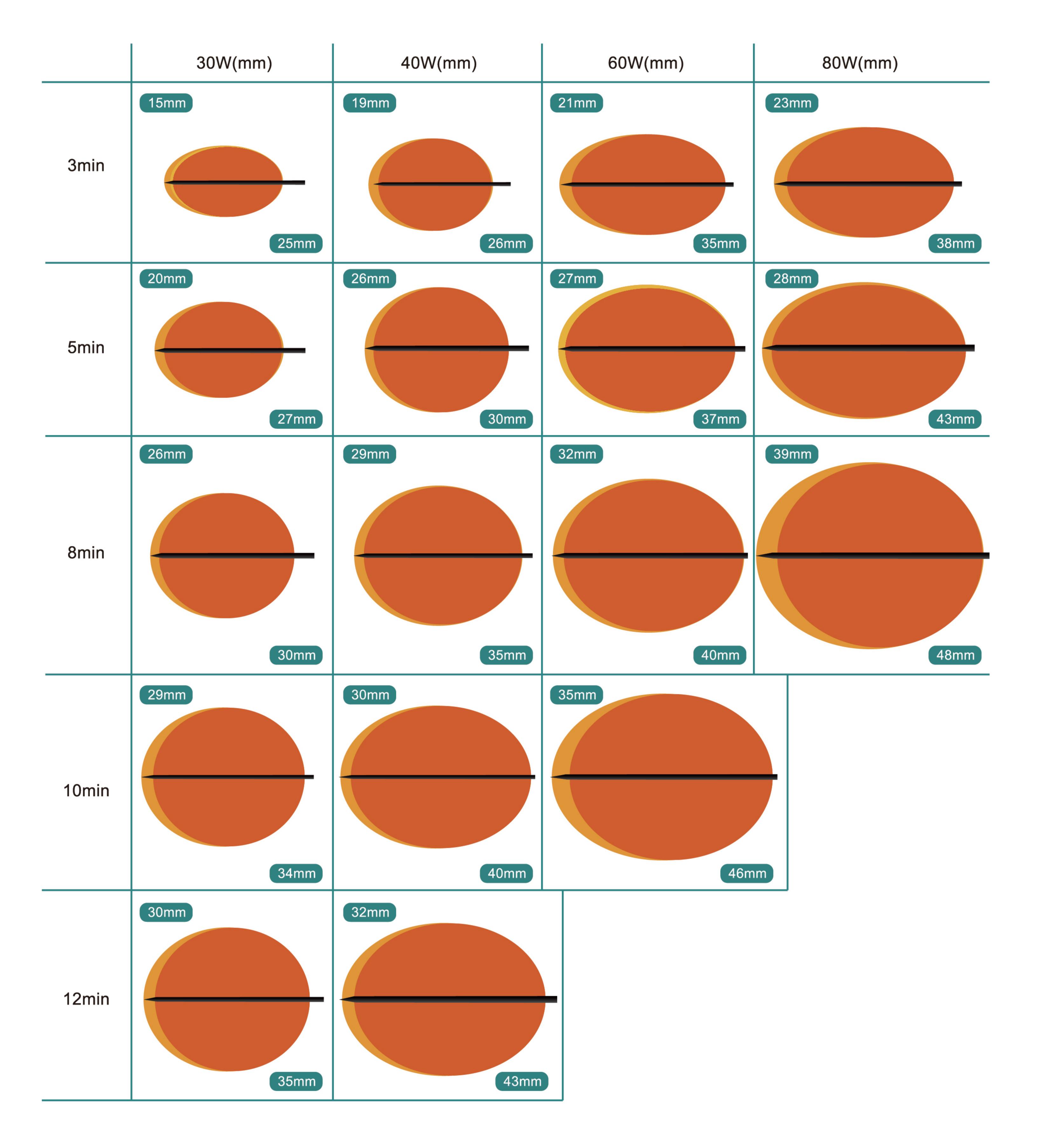




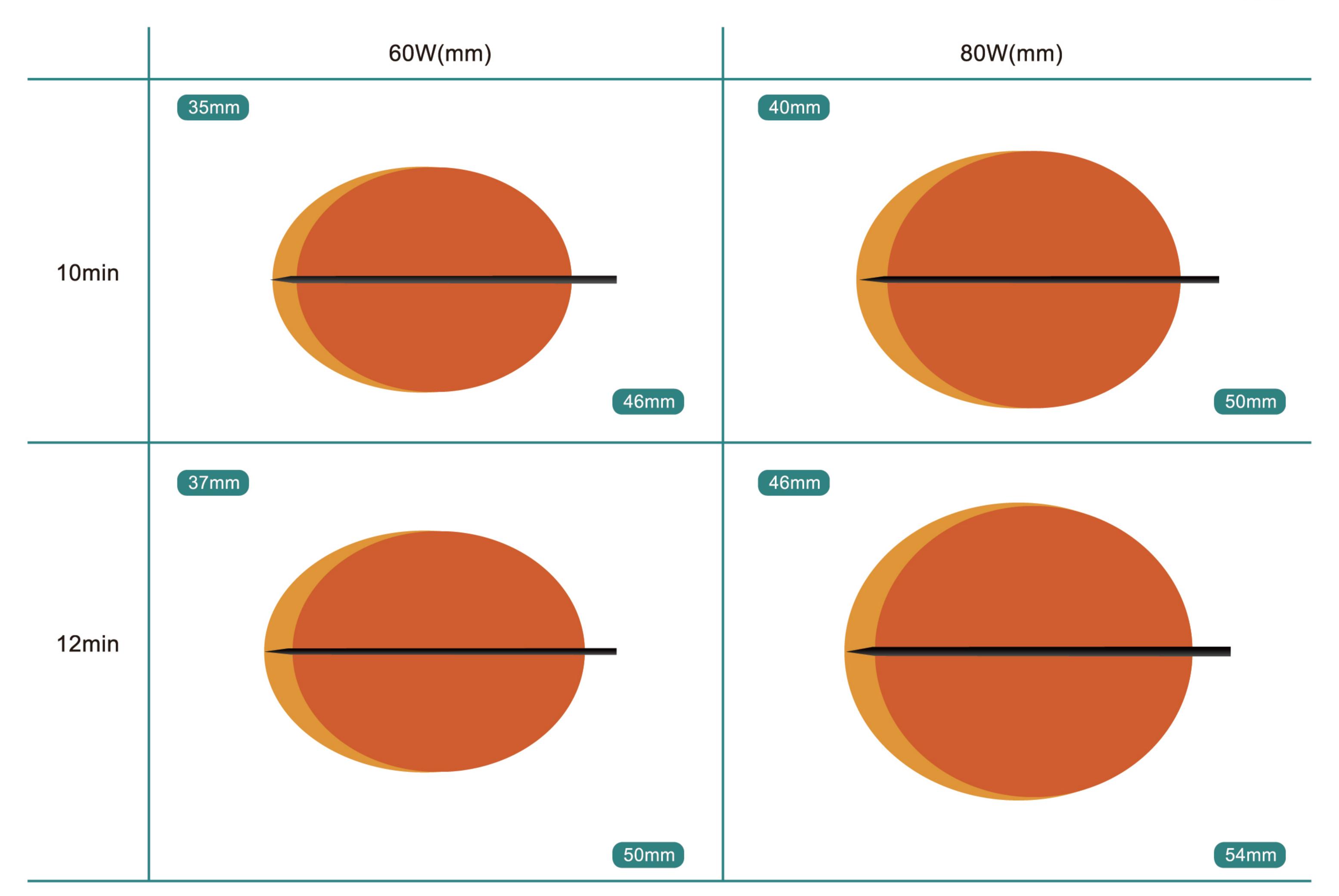




# Ex Vivo Porcine Liver Ablation Data 14G Ceramic Antenna on Pulse Mode (for lesion<40mm)





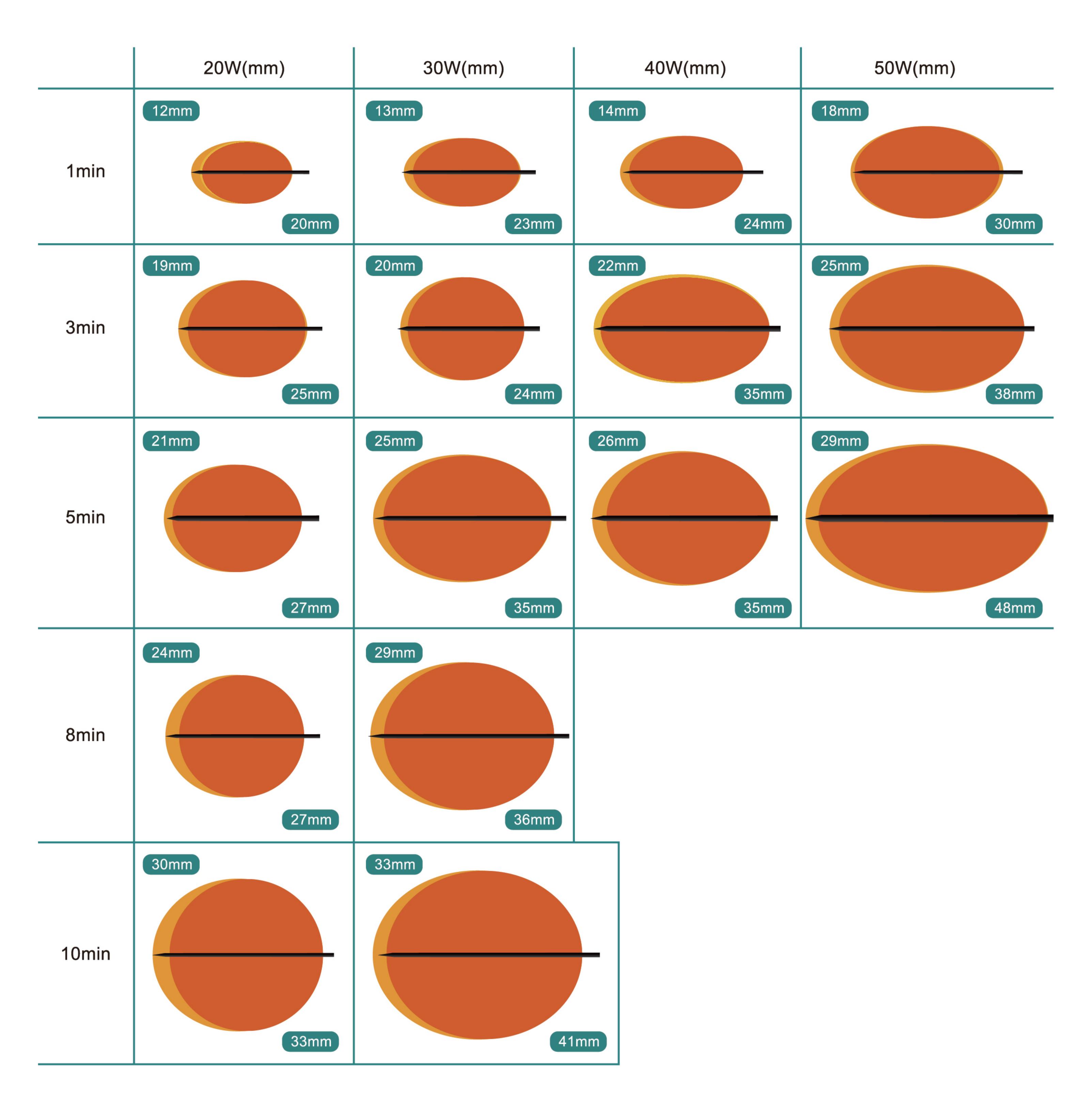


Output power 50W~80W is routinely used in operation, and the continuous working time of a single ablation circle shall not be more than 15min; The maximum power limit is 80W.

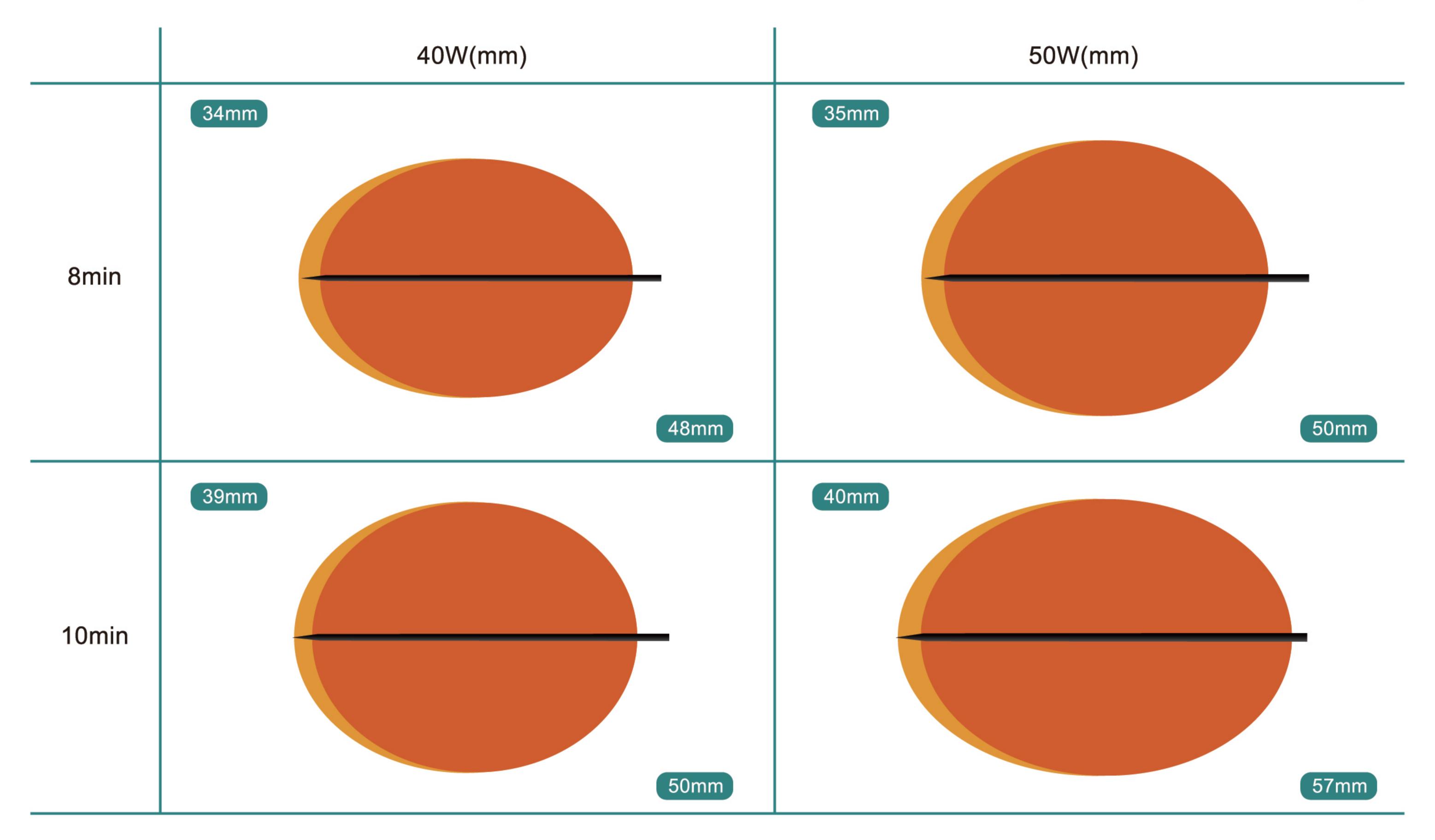
#### It is FORBIDDEN to overpower the antenna.



# Ex Vivo Porcine Liver Ablation Data 16G Ceramic Antenna on Continuous Mode (for lesion<30mm)



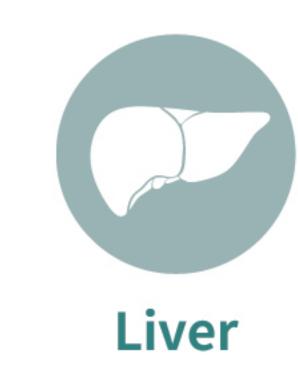


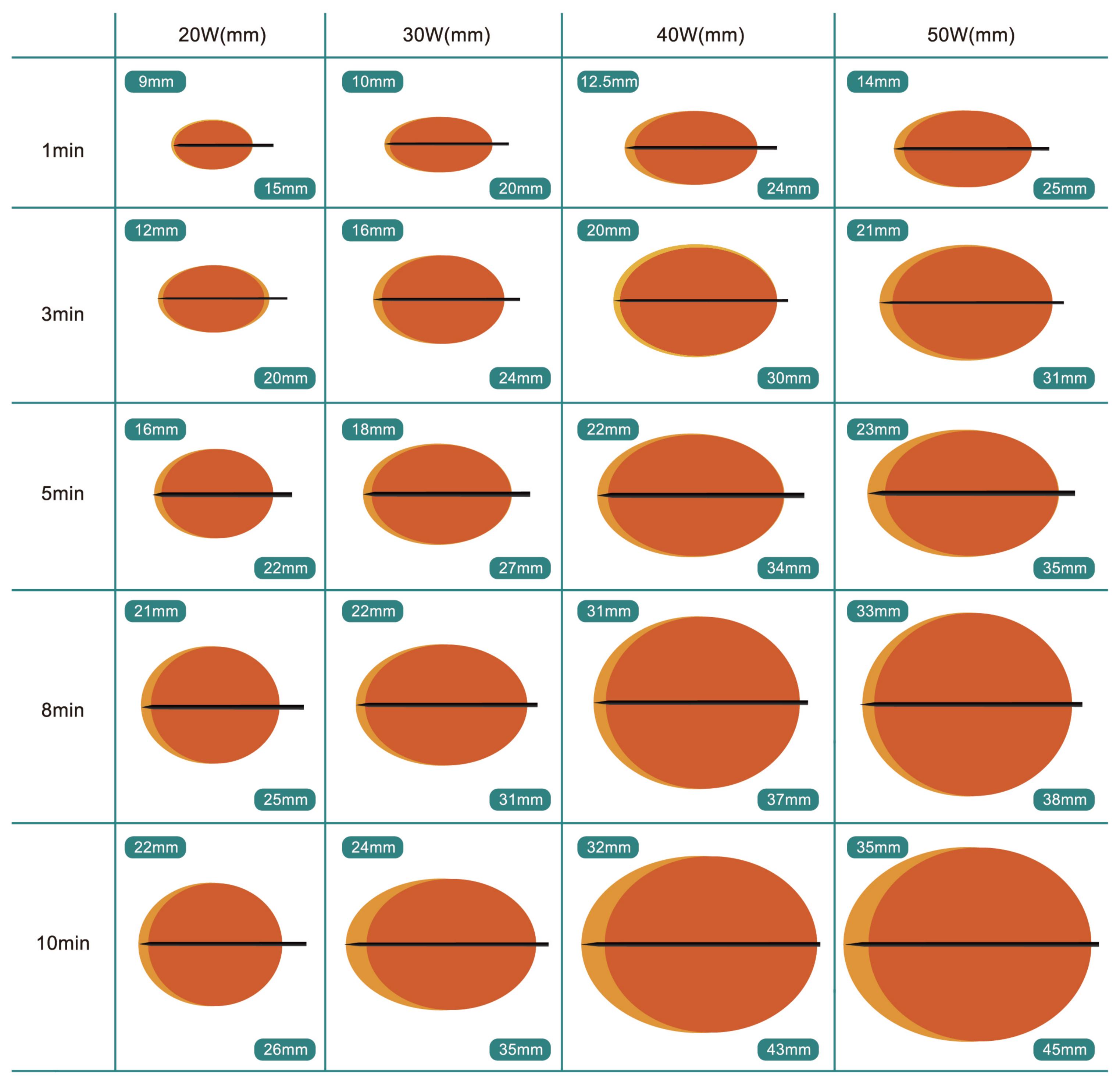


Output power 30W~40W is routinely used in operation, and the continuous working time of a single ablation circle shall not be more than 15min; The maximum power limit is 50W.

#### It is FORBIDDEN to overpower the antenna.







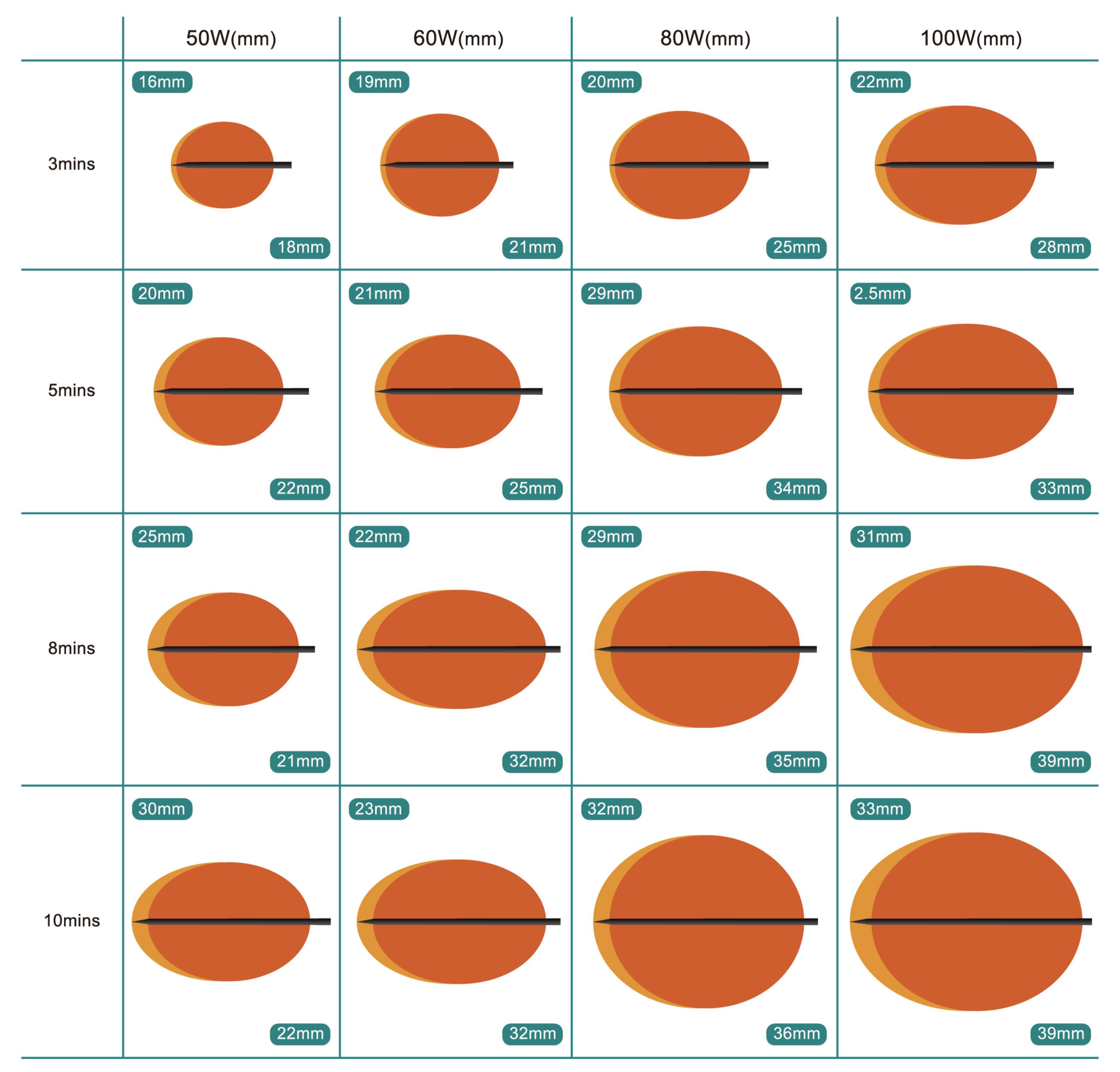
Output power 30W~40W is routinely used in operation, and the continuous working time of a single ablation circle shall not be more than 15min; The maximum power limit is 50W.

#### It is FORBIDDEN to overpower the antenna.



### Ex Vivo Porcine Liver Ablation Data 14G MRI Antenna on Continuous Mode with 4m cable





# Note:

The maximum power (100W) shown in the table is the limit power of the ablation antenna, which is not recommended to be used in clinical practice.



# Ex Vivo Porcine Liver Ablation Data 15G MRI Antenna on Continuous Mode with 4m cable



	30W(mm)	40W(mm)	50W(mm)
1min	17mm 20mm	18mm 23mm	22mm 25mm
3min	18mm 21mm	20mm 25mm	24mm 28mm
5min	19mm 22mm	21mm 26mm	25mm 30mm
8min	22mm 25mm	25mm 30mm	30mm 37mm
10min	24mm 26mm	27mm 33mm	30mm 38mm
12min	25mm 33mm	30mm 35mm	31mm 40mm
15min	26mm 34mm	35mm 36mm	36mm 44mm



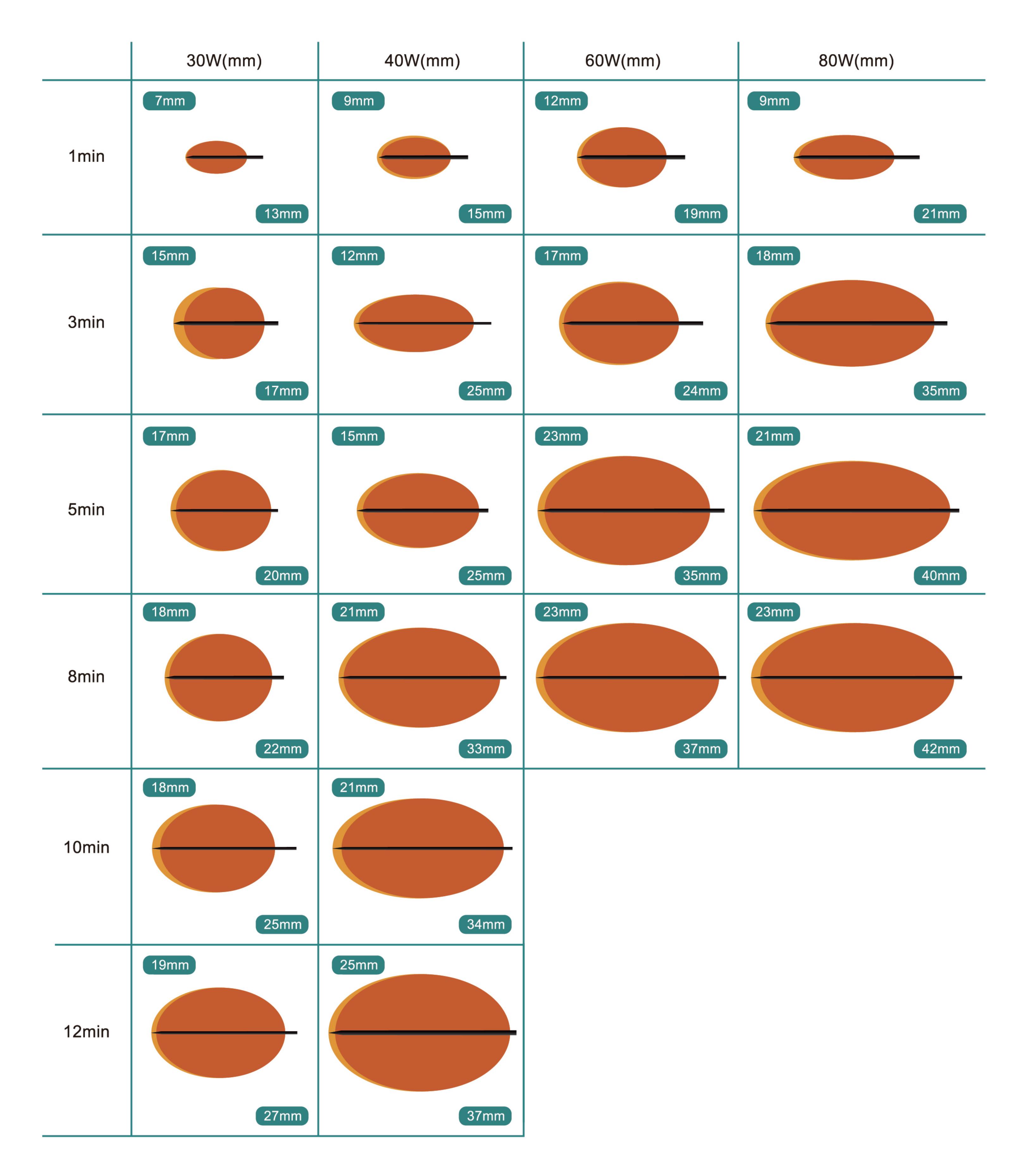
# Ex Vivo Porcine Liver Ablation Data 15G MRI Antenna on Pulse Mode with 4m cable

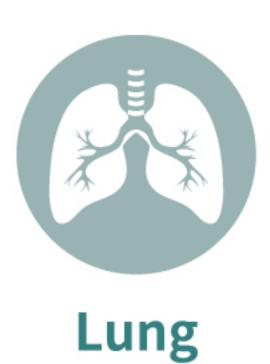


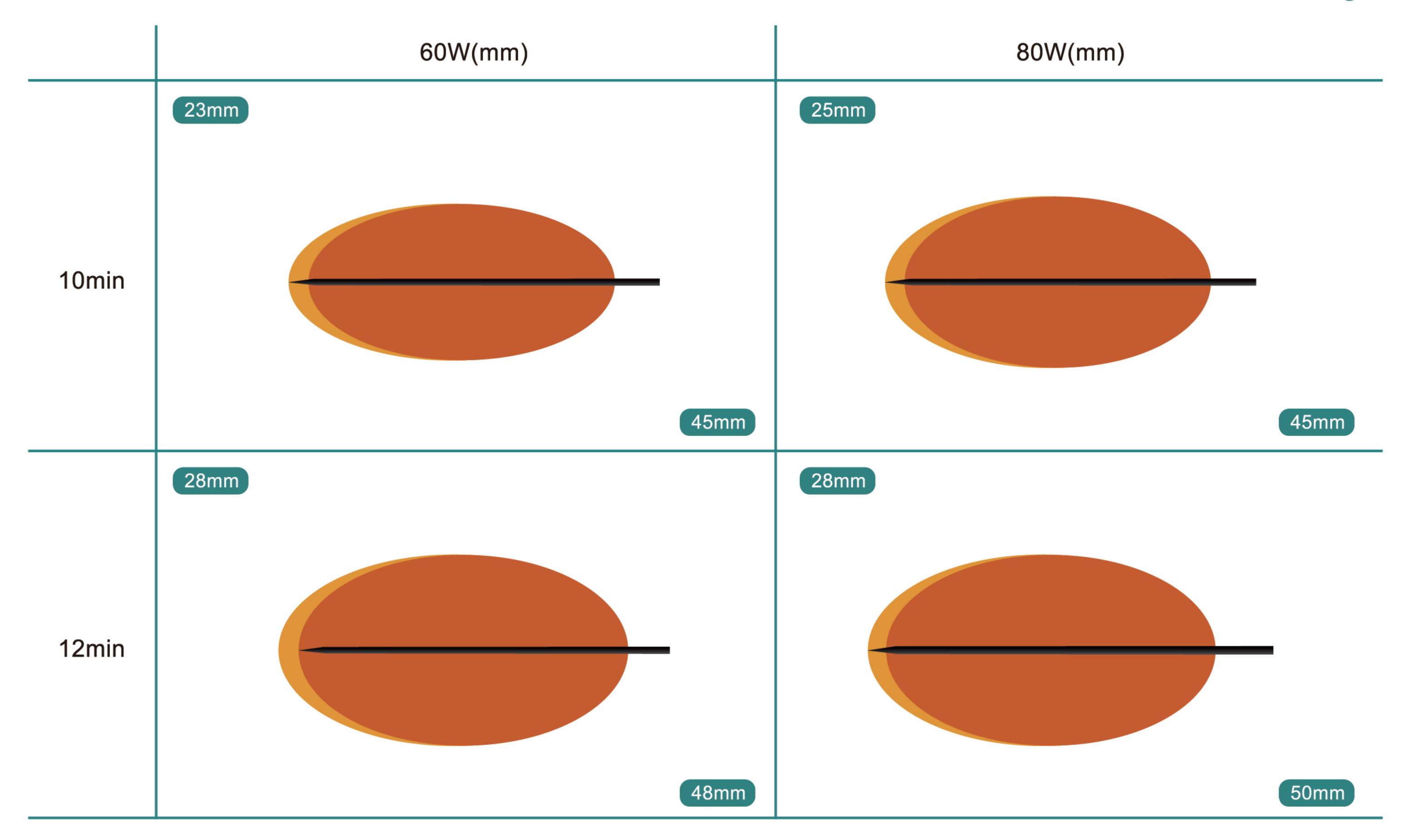
	40W(mm)	60W(mm)	80W(mm)
1min	7mm 12mm	10mm 20mm	13mm 21mm
3min	13mm  20mm	20mm 27mm	21mm 27mm
5min	20mm 20mm	25mm 28mm	26mm 32mm
8min	23mm 23mm	25mm 30mm	32mm 36mm
10min	24mm  25mm	30mm 32mm	35mm 38mm
12min	25mm 26mm	35mm 35mm	36mm 40mm
15min	27mm 33mm	36mm 38mm	38mm 45mm



# Ex Vivo Porcine Lung Ablation Data 14G Ceramic Antenna on Continuous Mode (for lesion<30mm)







Output power 50W~80W is routinely used in operation, and the continuous working time of a single ablation circle shall not be more than 15min; The maximum power limit is 80W.

#### It is FORBIDDEN to overpower the antenna.



# Ex Vivo Porcine Lung Ablation Data 14G Ceramic Antenna on Pulse Mode (for lesion<30mm)



			Luiig
30W(mm)	40W(mm)	60W(mm)	80W(mm)
4mm	7mm	8mm	9mm
15mm	17mm	18mm	21mm
8mm	12mm	16mm	17mm
20mm	25mm	30mm	32mm
9mm	10mm	19mm	22mm
20mm	25mm	32mm	35mm
10mm	15mm	20mm	23mm
21mm	30mm	34mm	37mm
20mm	21mm	22mm	23mm
22mm	30mm	34mm	45mm
21mm	22mm	23mm	28mm
26mm	33mm	35mm	47mm
	20mm 20mm 20mm 21mm 21mm	#mm	4mm





	20W(mm)	30W(mm)	40W(mm)	50W(mm)
1min	4mm  11mm	5mm  18mm	7mm  20mm	8mm 21mm
3min	6mm  15mm	10mm  22mm	11mm 23mm	12mm  25mm
5min	7mm 18mm	15mm 24mm	18mm 30mm	19mm 31mm
8min	12mm  20mm	16mm  28mm	20mm  32mm	21mm  33mm
10min	13mm  21mm	17mm  30mm	23mm  34mm	26mm 36mm

Output power 30W~40W is routinely used in operation, and the continuous working time of a single ablation circle shall not be more than 15min; The maximum power limit is 50W.

### It is FORBIDDEN to overpower the antenna.





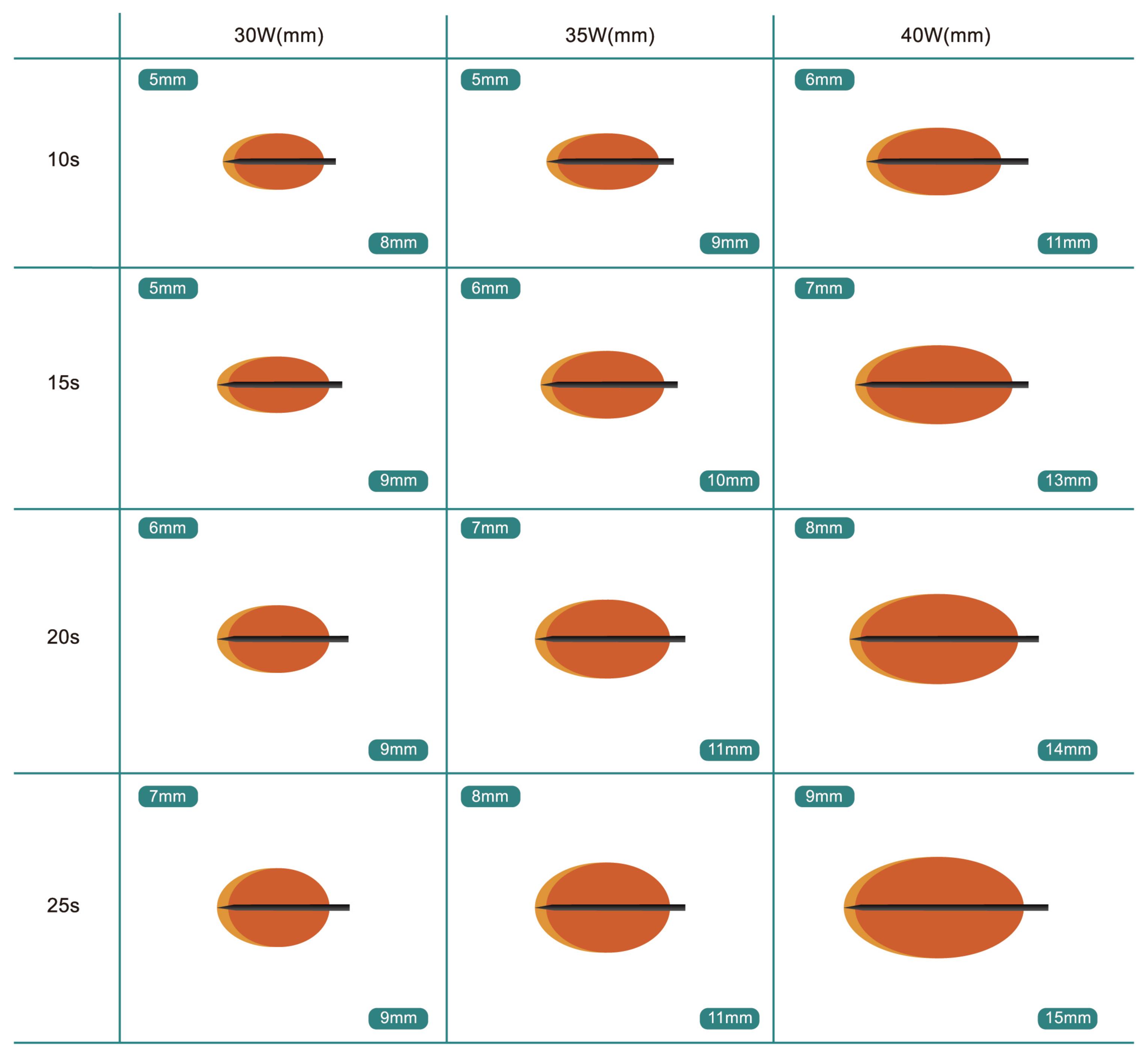
	20W(mm)	30W(mm)	40W(mm)	50W(mm)
1min	3mm  7mm	5mm  14mm	6mm 20mm	7mm  21mm
3min	4mm  7mm	6mm  18mm	7mm  21mm	8mm 22mm
5min	5mm	7mm  20mm	13mm  25mm	14mm  26mm
8min	6mm	15mm  21mm	18mm  26mm	19mm 28mm
10min	9mm  21mm	15mm  22mm	22mm	23mm 30mm

Output power 30W~40W is routinely used in operation, and the continuous working time of a single ablation circle shall not be more than 15min; The maximum power limit is 50W.

#### It is FORBIDDEN to overpower the antenna.



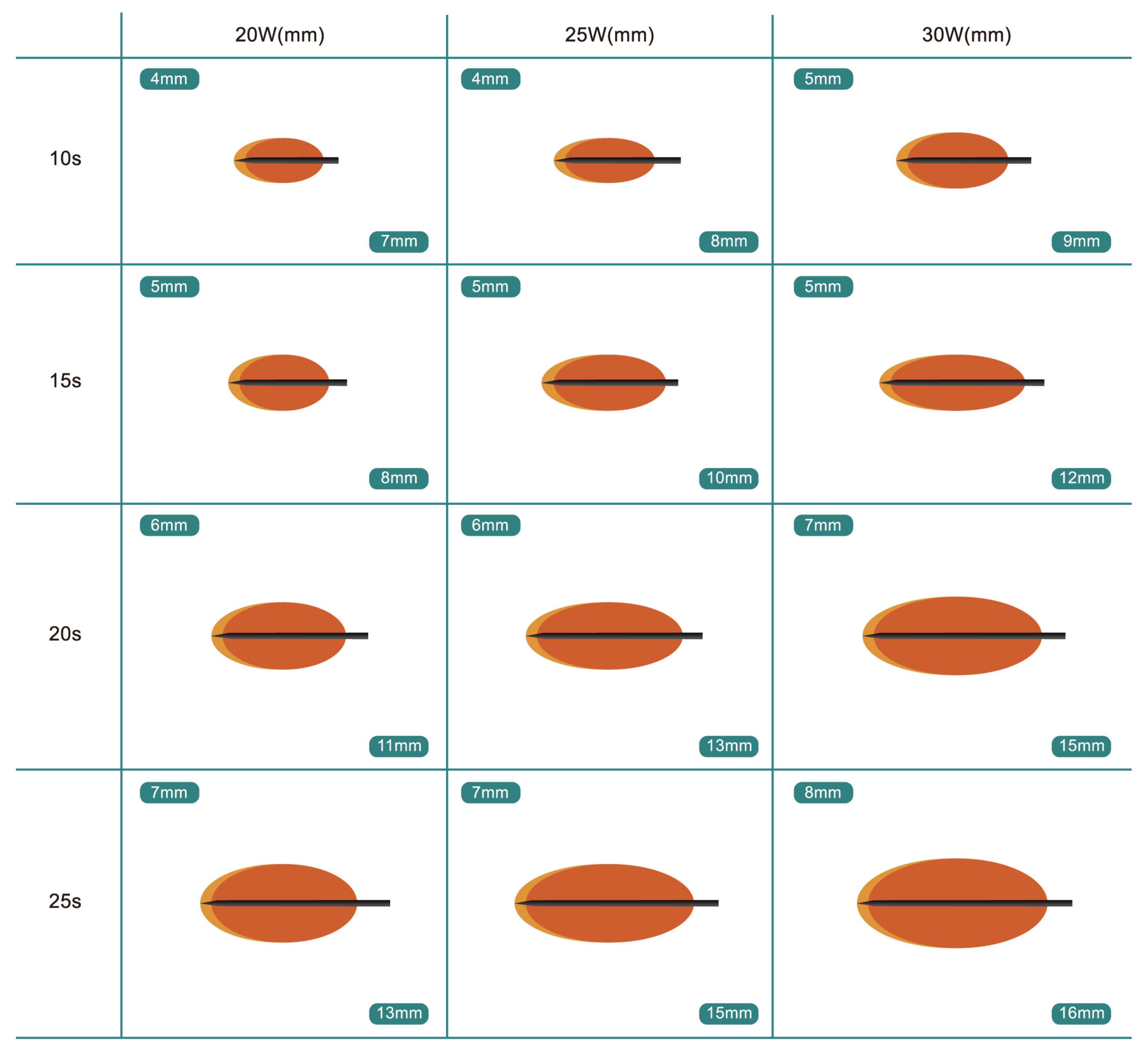




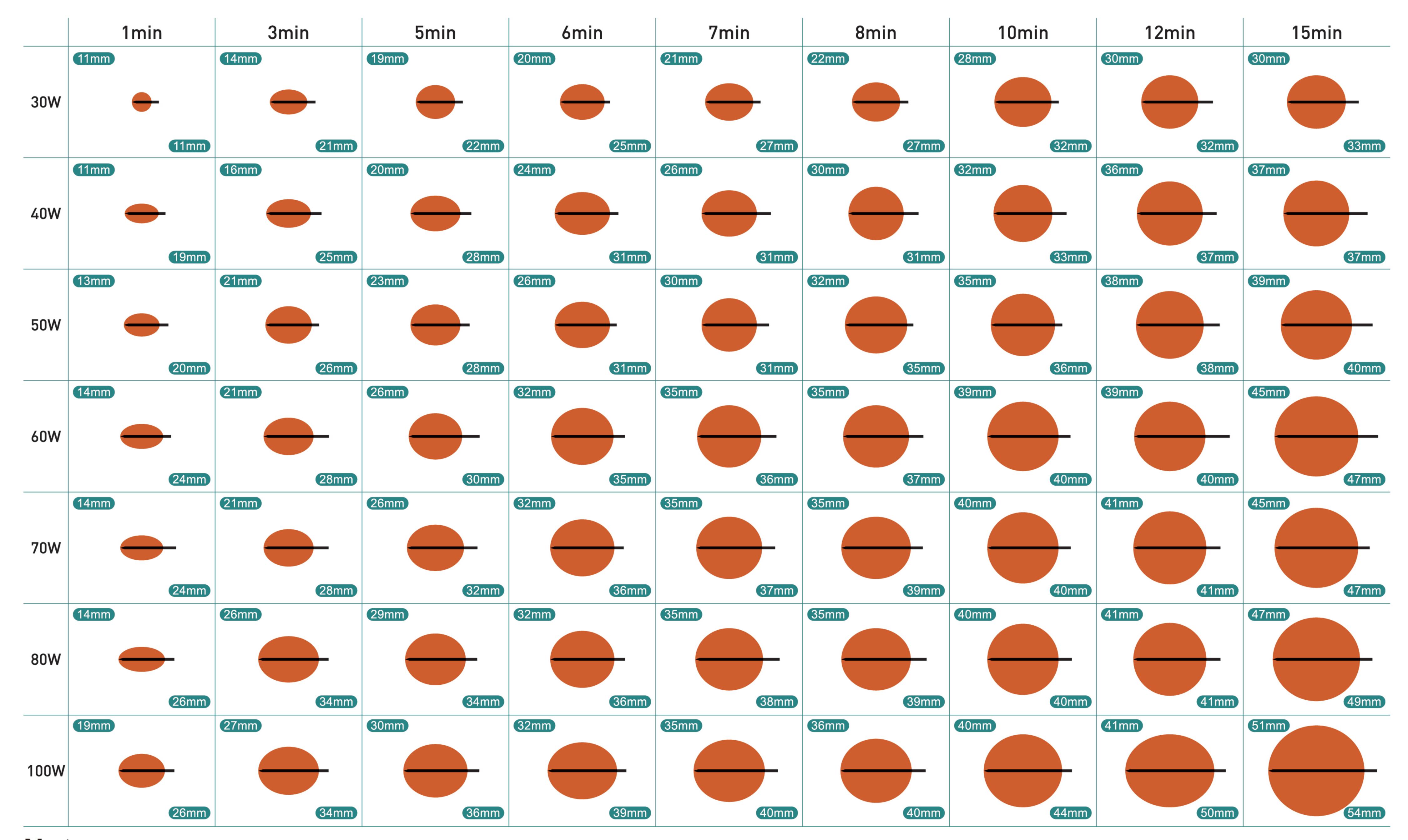
Output power 30W~40W is routinely used in operation, and the continuous working time of a single ablation circle shall not be more than 25s;The maximum power limit is 40W. It is FORBIDDEN to overpower the antenna.







Output power 20W~25W is routinely used in operation, and the continuous working time of a single ablation circle shall not be more than 25s;The maximum power limit is 30W. It is FORBIDDEN to overpower the antenna.



Above data was obtained from ex-vivo porcine liver ablation experiment at the following cooling medium temperature conditions: Output power 30-60w-20°C room temperature saline water; Output power 70-100w-10°C cooled saline water.

**VERSION: 2022.07** 

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