INTERTEK TESTING SERVICES

For Standalone SAR test exclusion consideration, when the corresponding SAR Exclusion Threshold requirement in KDB 447498 is satisfied, standalone SAR evaluation for general population exposure conditions, by measurement or numerical simulation is not required.

Description the		tested	model:	AW40
EUT Description	:	1.9GHz DECT 6.0 Dongle		
Model	:	AW40		
Operating Configuration(s)	:	Body		
Operating mode (s)	:	Voice call		
Device Category	:	Portable Device		
Tx Frequency	:	1921.536 – 1928.	.448 MHz	
Production tolerance	:	10 dBm (Minimun	n) to 18.6 dBm (Maxim	um)
Antenna gain	:	0.47 dBi = 1.11 (n	num gain)	
Maximum source-based time- averaging duty factor	:	8.3% = (2/24 x10	0%)	
Minimum separation distance	:	5 mm		
Applicable FCC KDB	:	FCC KDB 447498 FCC KDB 865664		

From above data, the source-based time-averaging output power is as follow:

The Maximum Conducted Power	= 18.6 dBm	
	= 72.4 mW	

The Maximum conducted Power source-based time-averaging output power

= (72.4 * 0.083) mW = **6.01** mW

In the frequency range of 100MHz to 6GHz and test separation distance \leq 50mm, the SAR Exclusion Threshold will be determined as follow,

The SAR exclusion threshold = $(3.0 \times TD) / \sqrt{F(GHz)}$ = **10.80** mW

where TD = 5 mm and F(GHz) = 1.928 GHz

Conclusion

Since the calculated conducted source-based time-averaged output power is **6.01** mW, which is less than the SAR Exclusion Threshold at 5mm test separation distance **10.80** mW

for general population and uncontrolled exposure, standalone SAR evaluation for general population exposure conditions, by measurement or numerical simulation is not required.