



SAR exemption evaluation

Applicant	ID TECH	
Product	PiP	
Brand	ID TECH	
Model	PiP	
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Conducted Power

Carrier frequency	worst-case peak radiated	worst-case peak radiated			
(MHz)	emission (dBµA/m)	emission (dBµV/m)			
13.560	21.429	72.929			
Note: dBµA/m = dBµV/m- 51.5 dB					

The worst-case peak radiated emission for the EUT is $72.929dB\mu V/m$ at 3m in the frequency 13.558MHz

 $EIRP[dBm] = E[dB\mu V/m] - 95.2 = -22.271dBm$ ERP = EIRP - 2.15 = -25.146dBm, Gain=0dBisoMaximum Output Power=-25.146dBm

Test result

According to the output power measurement result we can draw the conclusion that:

Based up on description of Low-power exclusion level (Pmax) in EN 62479: 2010

Stand-alone SAR is not required for 13.558MHz, because the output power of 13.558MHz transmitter is≤(Pmax=13dBm)

Band	Frequency	Separation	Maximum Output	Limit	Standalone
	(MHz)	Distance (mm)	Power (dBm)	(dBm)	SAR
13.560MHz	13.560	<5	-25.146	13	No