

Model:MP252BW, FCC ID:EW780-7597-01,Job No:HK11081521

RF Exposure

The MP252BW Gateway has totally 2 antennas for WiFi antennas.

The KDB 447498: A Mobile Multi-transmitter MPE Estimation MPE spreadsheet is used for estimating MPE limits for these 2 antennas' simultaneous transmission.

The information of operating frequency (MHz), power (W), antenna gain (dBi), location (X and Y coordinates showed on page 2) for each antenna are entered in the MPE spreadsheet.

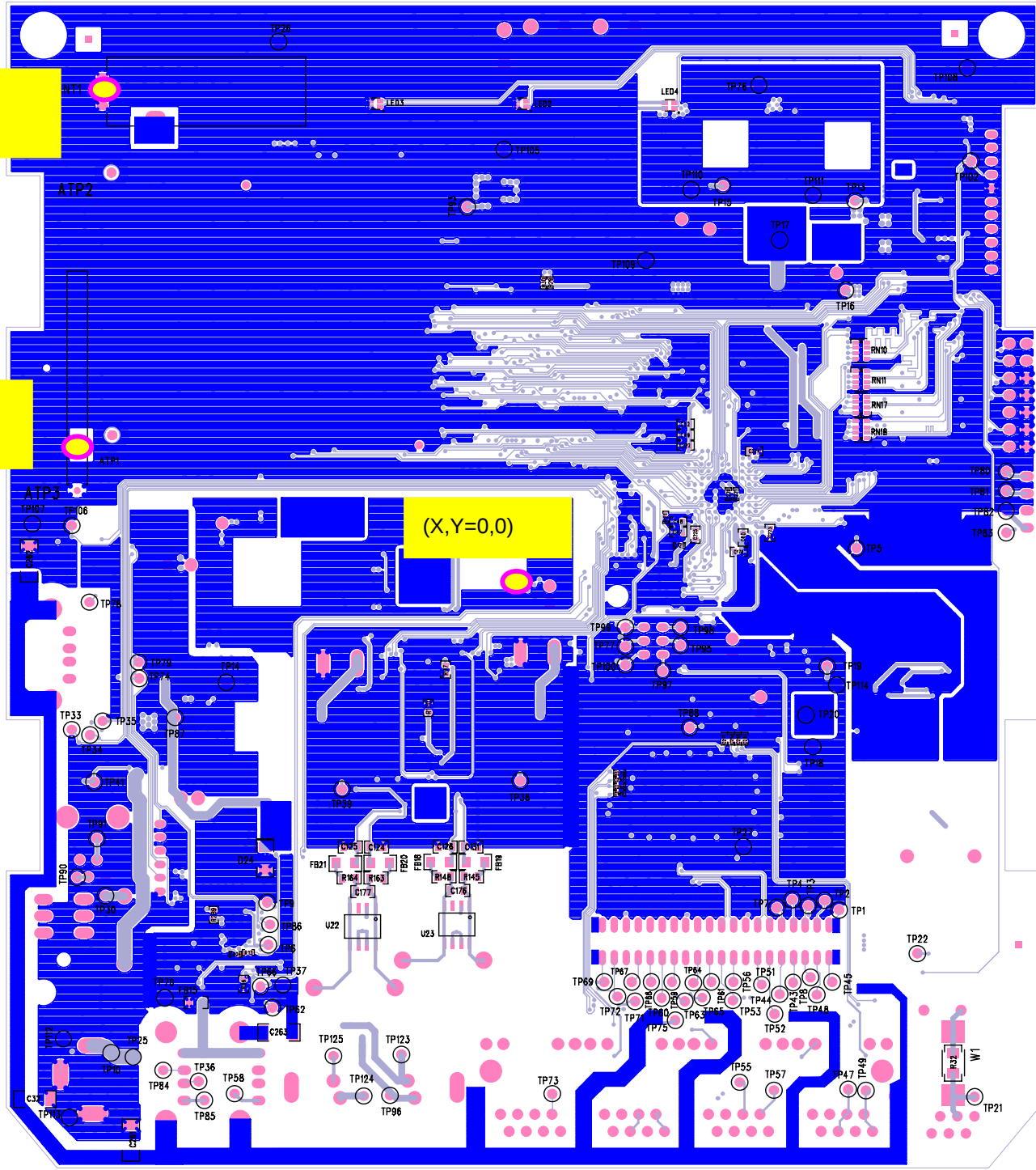
The power densities of up to 2 antennas located within a 90 cm² region at 1 cm intervals are estimated first. Then the power densities computed for each antenna are summed.

The plot "% MPE Contour" displays the result in percentages of the frequency-dependent power density limits. As the measured power density at 20cm from the transmitter is lower than the MPE limit (the compliance boundary for simultaneous transmission), the compliance to the MPE limit can be ensured by indicating the minimum 20cm separation between the transmitter's radiating structures and body of the user or nearby persons.

Antenna 0
(X,Y=-6.25,7.3)

Antenna1
(X,Y= -6.6,2)

(X,Y=0,0)



Antenna No.		Total	1	2	3	4	5	6
Tx Status			On	On	Off	Off	Off	Off
Frequency	MHz		2450	2450	2450	2450	2450	2450
MPE Limit	mW/cm ²		1.00	1.00	0.00	0.00	0.00	0.00
Max % MPE	%	5.2	2.2	3.2	0.0	0.0	0.0	0.0
Power	(W)	0.174	0.071	0.103	0.000	0.000	0.000	0.000
Antenna Gain	dBi		2.00	2.00	0.00	0.00	0.00	0.00
EIRP	(W)	0.28	0.112	0.163	0.000	0.000	0.000	0.000
X	(cm)		-6.3	-6.6	0.0	0.0	0.0	0.0
Y	(cm)		7.3	2.0	0.0	0.0	0.0	0.0
Sector			FALSE	FALSE	FALSE	FALSE	FALSE	FALSE
Arc			FALSE	FALSE	FALSE	FALSE	FALSE	FALSE
θ_1	degs	input	0	0	0	0	0	0
θ_2			0	0	0	0	0	0
θ_1		actual	0	0	0	0	0	0
θ_2			0	0	0	0	0	0

WiFi antenna 0 &1 (802.11n/40MHz BW) are transmitting at the same time .

% MPE Contour

**Note: The 0% contour
surrounding the antennas
identifies a 20 cm perimeter
surrounding all active
antennas**

