Pursuant to KDB 447498

Mobile Multi-transmitter MPE Estimation for MonnitLink CGW2 - Cellular Gateway with two radio modules (FCC ID: ZTL-RFSC1 and FCC ID: MIVCNN0301)

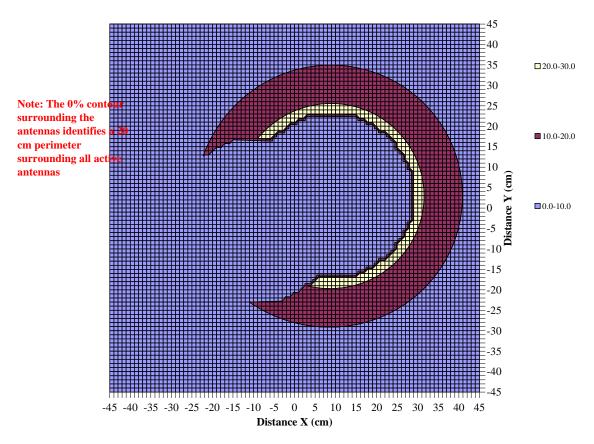


Figure 1: MonnitLink CGW2 - Cellular Gateway, Antennas Location

Condition 1: Monnit Wireless Sensor Module with Antenna No. 1 (max. 5.1 dBi gain) and 1XRTT Multi-Band M2M OEM Module with Antenna No. 2 (max. 8.0 dBi gain at 1900 MHz), See figure 1 for antennas orientation

Antenna No.		Total	1	2
Tx Status			On	On
Frequency	MHz		903	1900
MPE Limit	mW/cm ²		0.60	1.00
Max % MPE	%	25.6	0.7	25.1
Power	(W)	0.206	0.006	0.200
Antenna Gain	dBi		5.10	8.00
EIRP	(W)	1.28	0.020	1.262
X	(cm)		-9.0	9.0
Υ	(cm)		-3.0	3.0
Sector			FALSE	FALSE
Arc			FALSE	FALSE

% MPE Contour



Condition 2: Monnit Wireless Sensor Module with Antenna No. 1 (max. 5.1 dBi gain) and 1XRTT Multi-Band M2M OEM Module with Antenna No. 2 (max. 2.2 dBi gain at 850 MHz), See figure 1 for antennas orientation

Antenna No.		Total	1	2
Tx Status			On	On
Frequency	MHz		903	824.7
MPE Limit	mW/cm ²		0.60	0.55
Max % MPE	%	13.7	0.7	13.2
Power	(W)	0.226	0.006	0.220
Antenna Gain	dBi		5.10	2.20
EIRP	(W)	0.39	0.020	0.365
Χ	(cm)		-9.0	9.0
Υ	(cm)		-3.0	3.0
Sector			FALSE	FALSE
Arc			FALSE	FALSE

% MPE Contour

