

## ZoneFlex T610 Access Point Installation Addendum:

Application: Outdoor operation in the 5150 – 5250 MHz band.  
 Country: United States of America

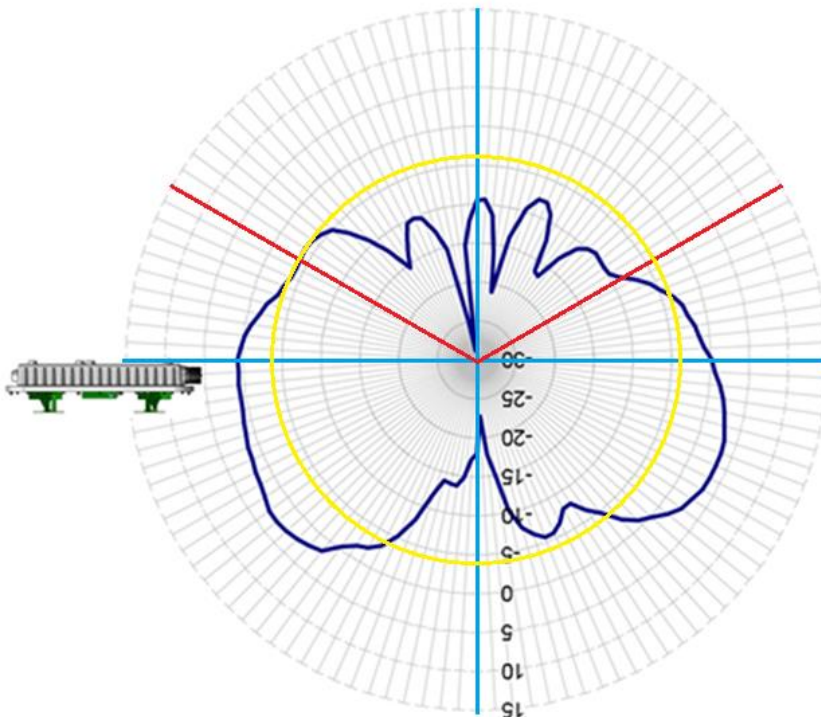
When the frequency band 5150 – 5250 MHz is used outdoors in the U.S.A, the FCC mandates that it is necessary to keep the energy radiated above 30 degrees from the horizon below 21 dBm EIRP. This can be obtained using the following guidance.

When device installed outdoors level to the horizon, (i.e. - antenna point towards down towards the earth), the device operates in compliance with FCC rules without any adjustment of output power.

Maximum EIRP in 5150 – 5250 MHz band = 24 dBm + Antenna Gain  
 Maximum EIRP in 30 degree from Horizontal = 24 dBm + -4 dBi = 20 dBm

When the device is installed outdoors at an angle to the horizon, power must be reduced to insure the energy radiated above 30 degrees from the horizon remains under 21 dBm EIRP.

Elevation Pattern:



Degree Above Horizon (A)	Output Power Reduction
$A \leq 12$	0
$12 < A < 15$	0.5
$15 < A < 30$	3
$30 < A < 45$	3
$A > 45$	6dB

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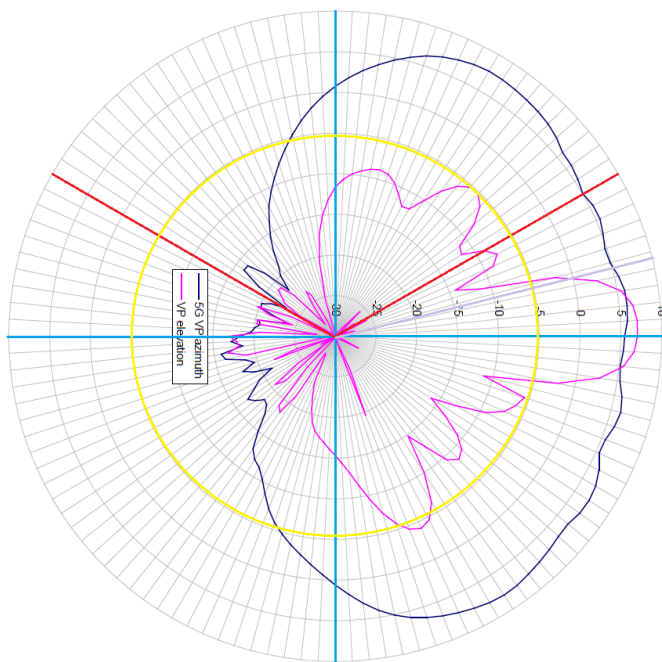
When the frequency band 5150 – 5250 MHz is used outdoors in the U.S.A, the FCC mandates that it is necessary to keep the energy radiated above 30 degrees from the horizon below 21 dBm EIRP. This can be obtained using the following guidance.

When device installed outdoors level to the horizon, (i.e. - antenna points horizontal to the earth), the device operates in compliance with FCC rules without any adjustment of output power.

Maximum EIRP in 5150 – 5250 MHz band = 21 dBm + Antenna Gain  
 Maximum EIRP in 30 degree from Horizontal = 21 dBm + -5 dBi = 16 dBm EIRP

When the device is installed outdoors at an angle with the radome pointed above the horizon, the maximum up-tilt angle is 16 degrees without a reduction in output power. Please see the table below for the required output power reduction if the device is installed at an up-tilt angle greater than 16 degrees.

Elevation Pattern:



Degree Above Horizon (A)	Output Power Reduction
A < 16	0 dB
A = 17	2 dB
A = 18	3 dB
A = 19	4 dB
A = 20	4 dB
A = 21	6 dB
A = 22	6 dB
A > 23	7 dB