MPE CALCULATION

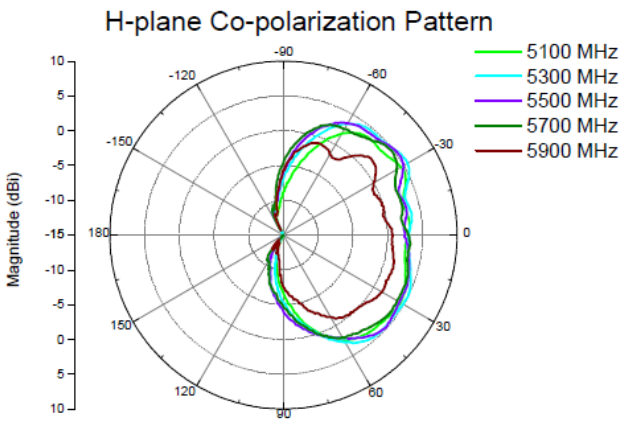
FCC ID: WBV-AP1130/ IC ID: 774A-AP1130

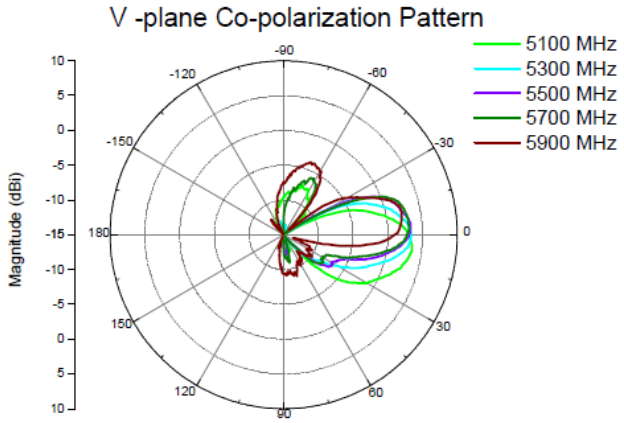
Test Standard:	FCC 15.407 (a) (2)
Test Method:	789033 D02 General UNII Test Procedures New Rules v01
EUT Frequency Band:	2402-2480MHz, 2412-2462 MHz, 5180-5825MHz

Directional Antenna

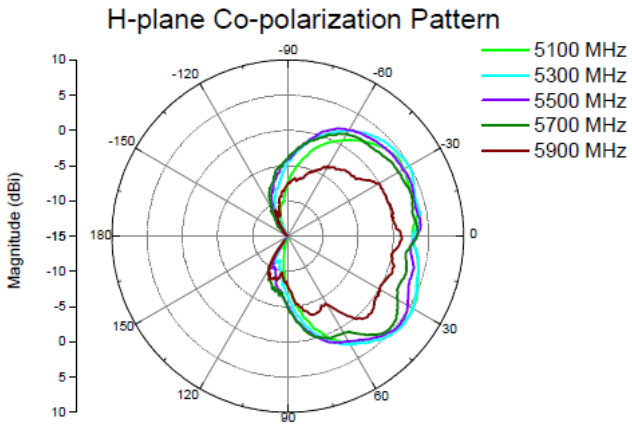
Radiation Pattern

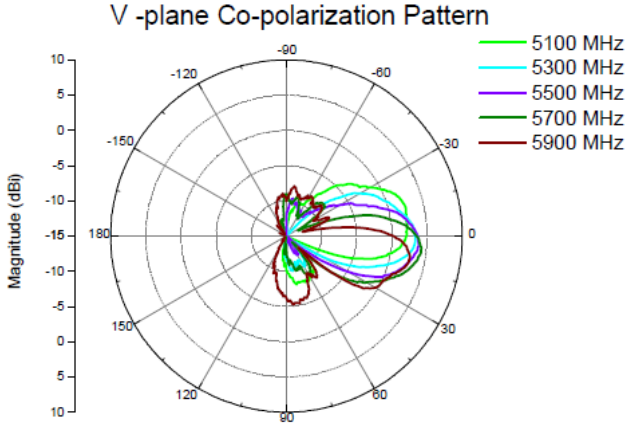
5G Port 1





5G Port 2





Peak Output Power

Requirement:

For an outdoor access point operating in the band 5.15-5.25 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W provided the maximum antenna gain does not exceed 6 dBi.

The maximum e.i.r.p. at any elevation angle above 30 degrees as measured from the horizon must not exceed 125 mW (21 dBm).

Output Power measurement result :

For 5150 to 5250MHz Band
Highest conducted output power = 25.19 dBm

Channel	Frequency (MHz)	Conducted Power (dBm)	Max. Limit (dBm)	Result
48	5240	25.19	25.27	Pass

Note: Maximum EIRP at any elevation angle above 30 degree EIRP Power Limit = 21 dBm;CH48 Max EIRP Antenna Gain = -4.27dBi , So Conducted Power Limit = 25.27dBm

Based on the antenna pattern, if the EUT is vertical mounted, the peak antenna gain is lower than -5dBi for all angels greater than 30 degree, so the EIRP will be at least 25.19-5=20dBm<21dBm.

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