

LITE-ON TECHNOLOGY CORPORATION
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Wyze WiFi6E (WZ-Mesh6e) -DVT Antenna report-

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光電節能 智慧科技 最佳夥伴 Best Partner in Opto-Electronic, Eco-Friendly and Intelligent Technologies

Antenna Placement



Antenna	Description	Frequency
Ant.1	Dual band	2400 MHz ~ 2500 MHz 5150 MHz ~ 5825 MHz
Ant.2	Dual band	2400 MHz ~ 2500 MHz 5150 MHz ~ 5825 MHz
Ant.3	6E	5950 MHz ~ 7125 MHz
Ant.4	6E	5950 MHz ~ 7125 MHz
Ant.5	BT	2400 MHz ~ 2500 MHz
Ant.6	Zigbee	2400 MHz ~ 2500 MHz

Gain Table

Ant.1						
Frequency (MHz)	2400	2450	2500	5150	5550	5825
Peak Gain(dBi)	4.1	3.9	3.3	3.6	3.6	4.3
Ant.2						
Frequency (MHz)	2400	2450	2500	5150	5550	5825
Peak Gain(dBi)	2.5	3.3	3.6	2.2	2.2	2.9
Ant.3						
Frequency (MHz)	5925	6550	7125			
Peak Gain(dBi)	3.0	3.5	2.9			
Ant.4						
Frequency (MHz)	5925	6550	7125			
Peak Gain(dBi)	2.9	3.1	3.4			
Ant.5						
Frequency (MHz)	2400	2450	2500			
Peak Gain(dBi)	4.4	4.5	3.5			
Ant.6						
Frequency (MHz)	2400	2450	2500			
Peak Gain(dBi)	3.2	3.5	3.7			

The antenna characteristics

- Return loss < -10dB in operating band
- Isolation
 - 2.4G Band > 20 dB
 - 5G Band > 20 dB
 - 6G Band > 20 dB
- Gain
 - 2.4GHz Band 2.5~4.4dBi
 - 5GHz Band 2.2~4.3dBi
 - 6GHz Band 2.9~3.5dBi