

ICU MEDICAL- SILVER DUALBAND Wi-Fi ANTENNA

Part number: **FTW6202**

Preliminary

Features

- Custom antenna with optimized performance for the ICU MED Silver unit
- High efficiency FPC antenna for low band and high band Wi-Fi
- u.FL / UMCC Equivalent cable
- Stable efficiency, gain and radiation patterns

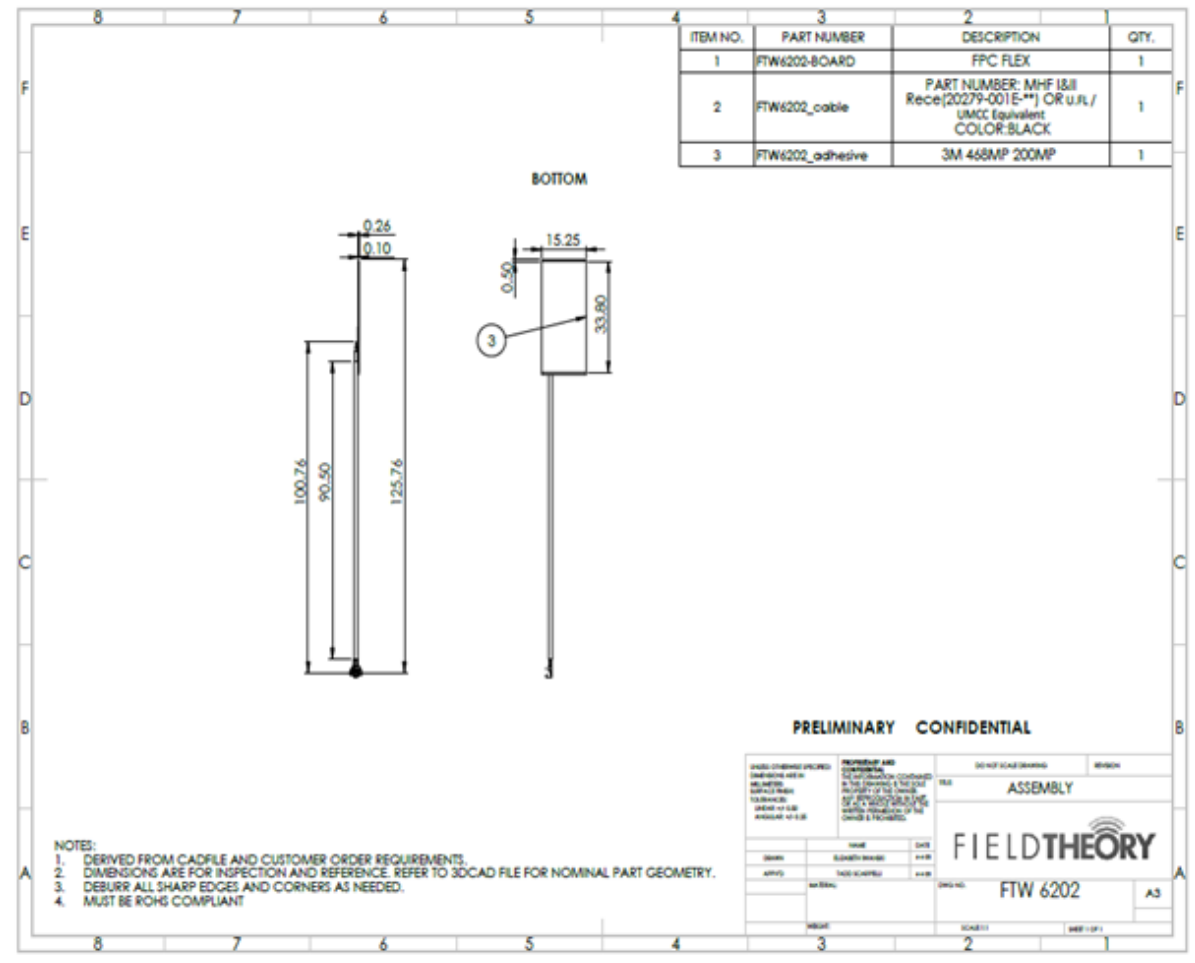
ALL MATERIALS COMPLY WITH:
RoHS



All data collected was tested in unit as shown

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Preliminary

Antenna drawing

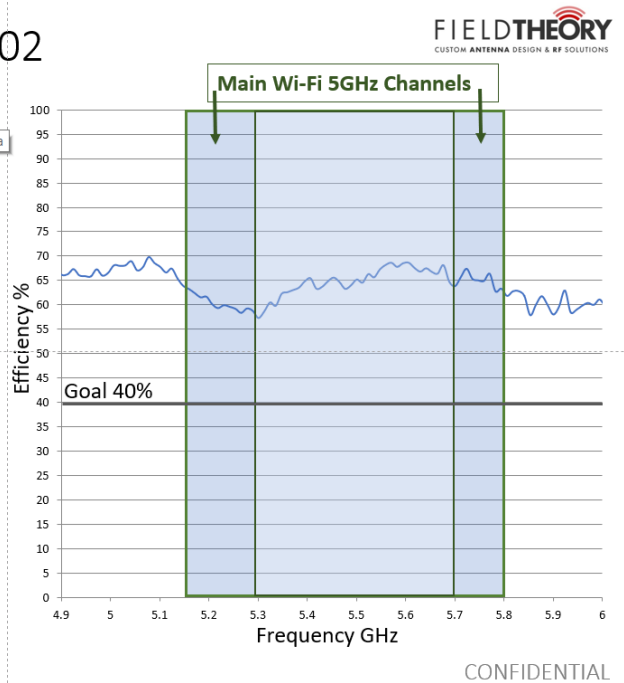
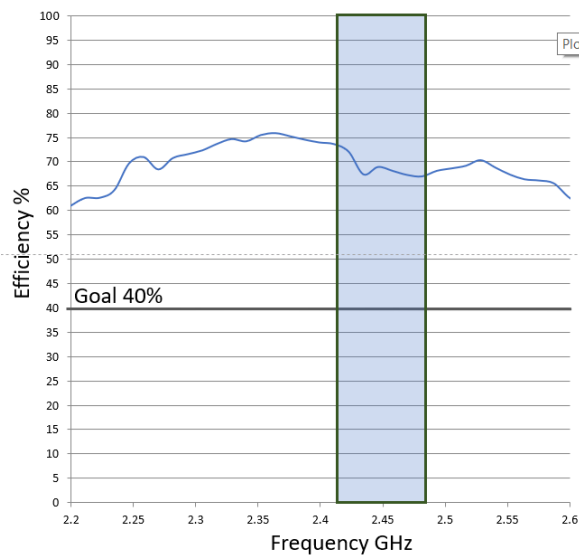


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Antenna Performance

Typical Passive Efficiency

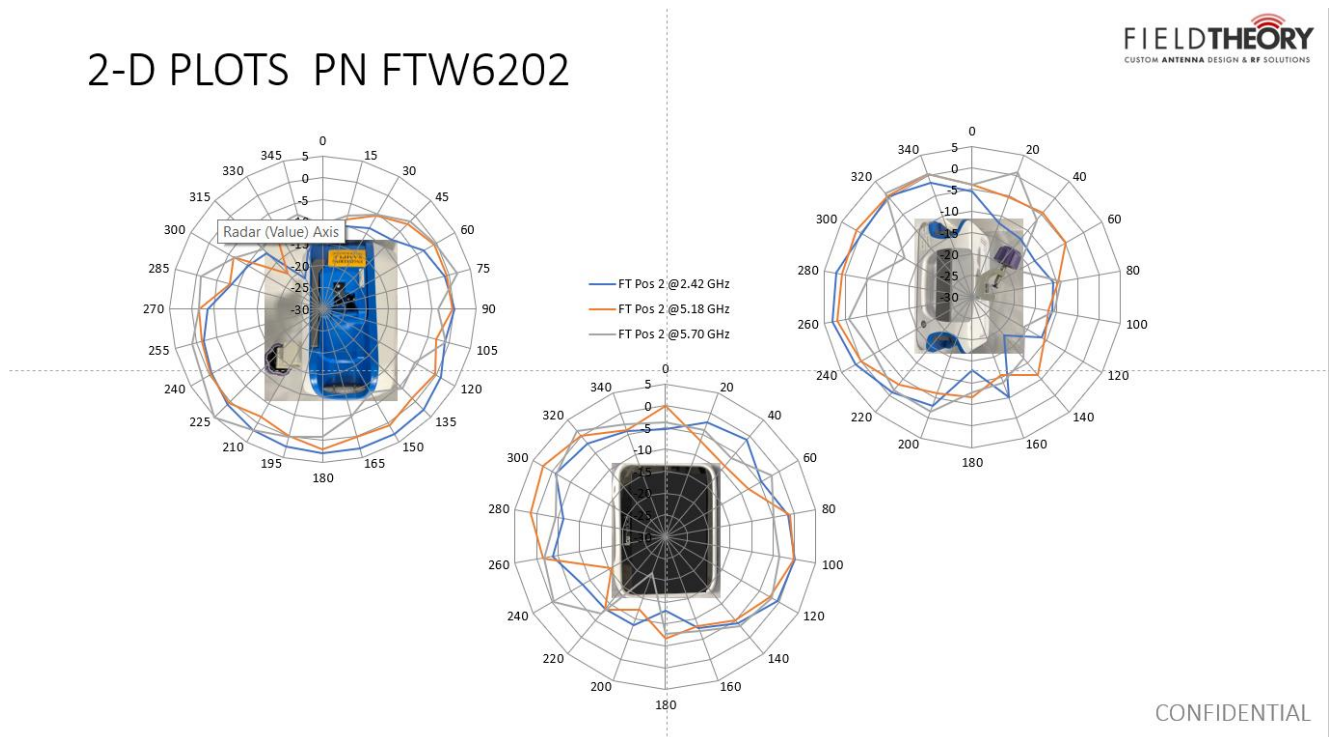
PASSIVE EFFICIENCY PN FTW6202



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Typical 2-D plots and DUT orientation

2-D PLOTS PN FTW6202



Parameter	Multi-Standard (Typical)	
Communication System	Wi-Fi Low band	Wi-Fi High band
	2.42 – 2.48 GHz	5.18 – 5.8 GHz
Efficiency (%)	67 to 72	52 to 68
Peak Gain (dB)	3.00	4.45
Impedance (ohms)	50	50
VSWR	≤ 2.2	≤ 2.6
Polarization	Linear	Linear
Power Handled (W)	2	2

MECHANICAL	
Dimensions of PCB	15.3 x 35.00 x 1 mm
Connector	MHF1 (u.FL Compatible)
Cable Standard	1.32mm MHF1
Adhesive	3M 468MP 200MP
Overall Length	125.76 mm

ENVIRONMENTAL	
Operation Temperature	-40 deg C ~ +85 deg C
Storage Temperature	Room
RoHS	Yes

Specifications tested in ICU MED – Silver Unit (in free space)