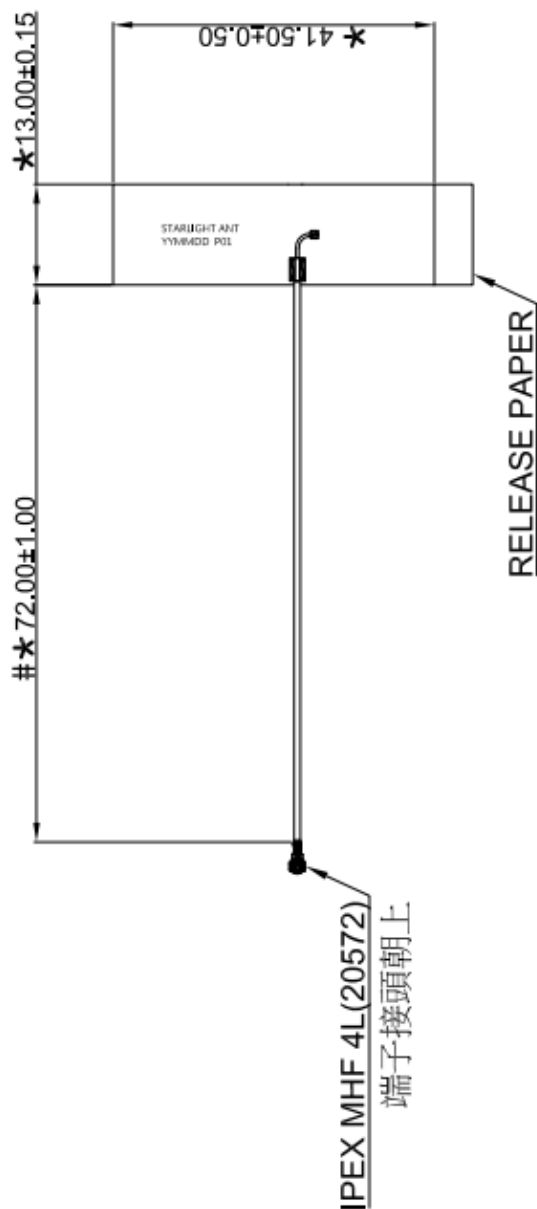


Series: STARLIGHT

ALTEK P/N: 117-0107-001

PULSE P/N: BTFA00411325GC8A02



### Features:

- WIFI Antenna
- Flexible Printed Circuit
- Size 41.5 \* 13.0 \* 0.15 mm
- RoHS Compliant

### Applications:

IP CAM

All dimensions are in mm / inches

### Issue: 2032 DRAFT RALFYE

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Series: STARLIGHT

ALTEK P/N: 117-0107-001  
PULSE P/N: BTFA00411325GC8A02

### ELECTRICAL SPECIFICATIONS

Antenna Type	FPC PIFA
Frequency	
Nominal Impedance	50 $\Omega$
Radiation Pattern	
Gain	
Polarization	
Power Withstanding	

### MECHANICAL SPECIFICATIONS

Overall Length	41.5 * 13.0 * 0.15 mm
Antenna Color / Material	Black/ FPC
Connector type	See table, P3
Cable type	See table, P3
Cable length	See table, P3
Plating	NA

### ENVIRONMENTAL SPECIFICATIONS

Operating Temperature	-40 ~ +85°C
Storage Temperature	-40 ~ +85°C
RoHS Compliant	Yes

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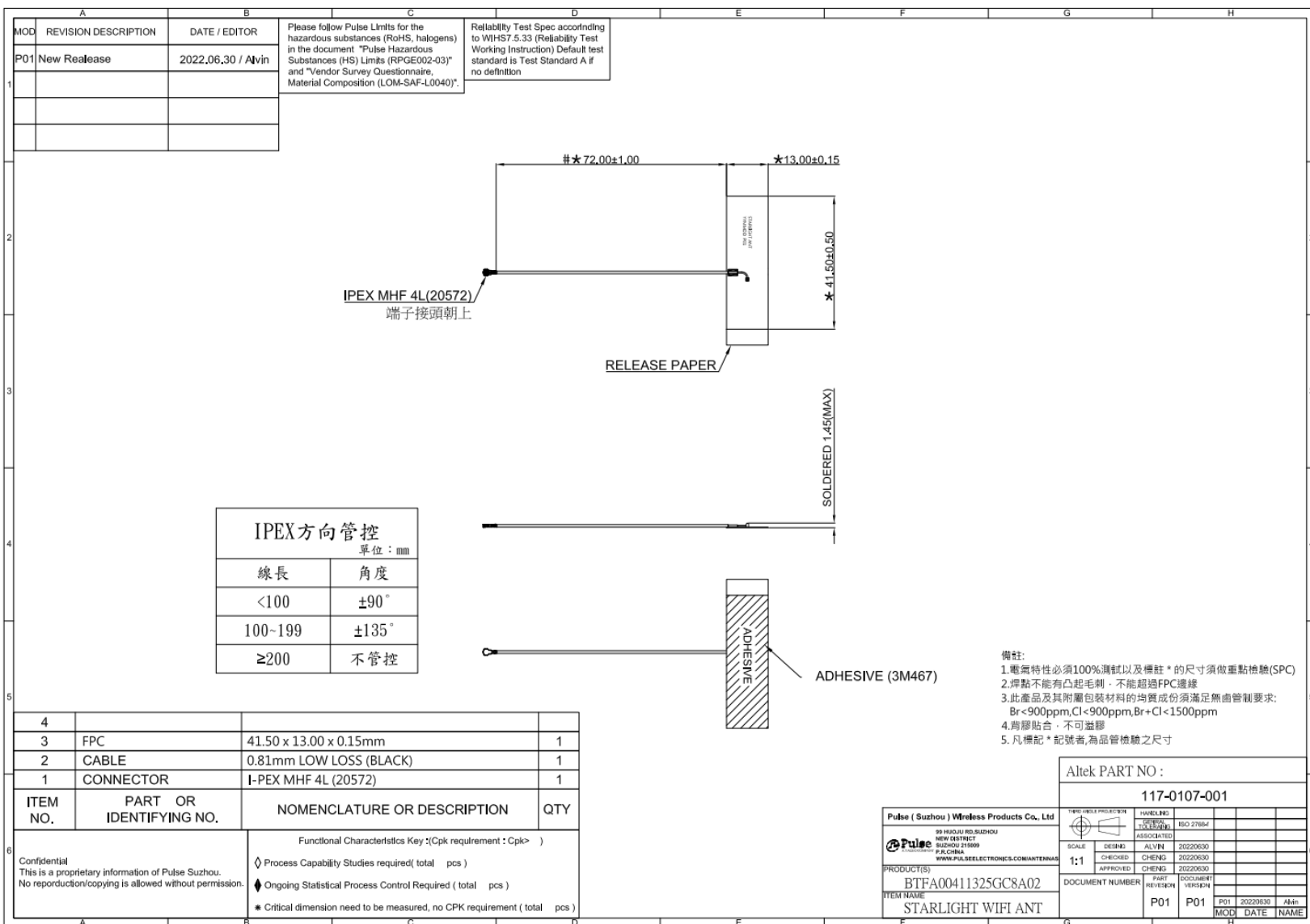
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MECHANICAL DRAWING



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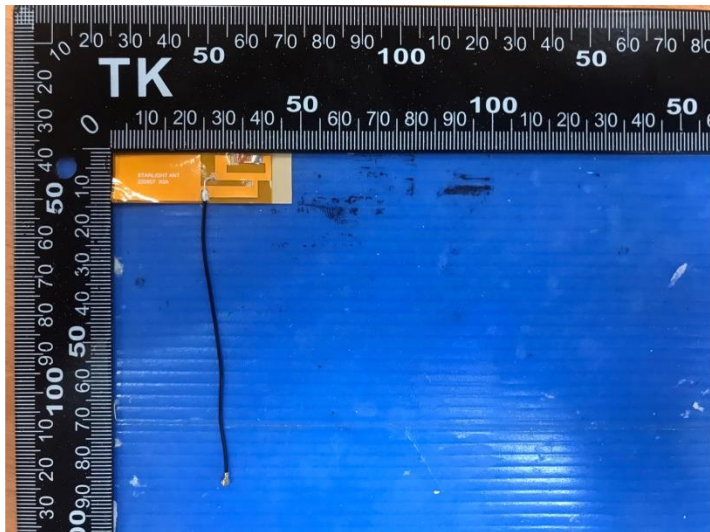
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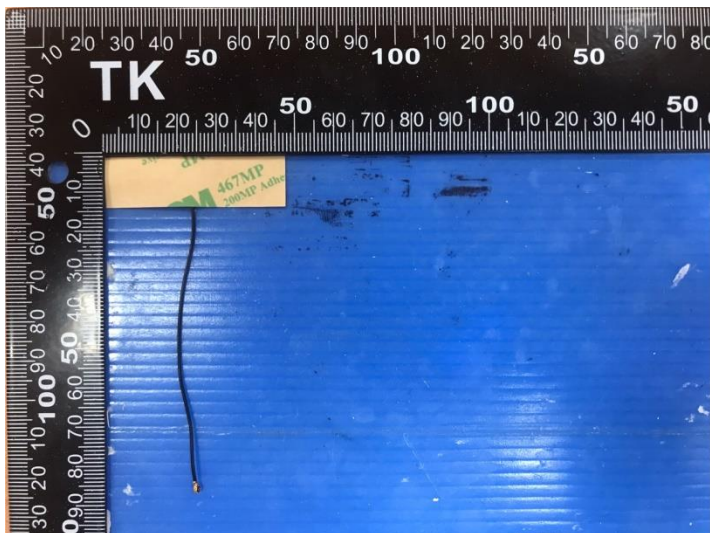
PULSE P/N: BTFA00411325GC8A02

## ANTENNA DRAWING

### TOP VIEW



### BOTTOM VIEW



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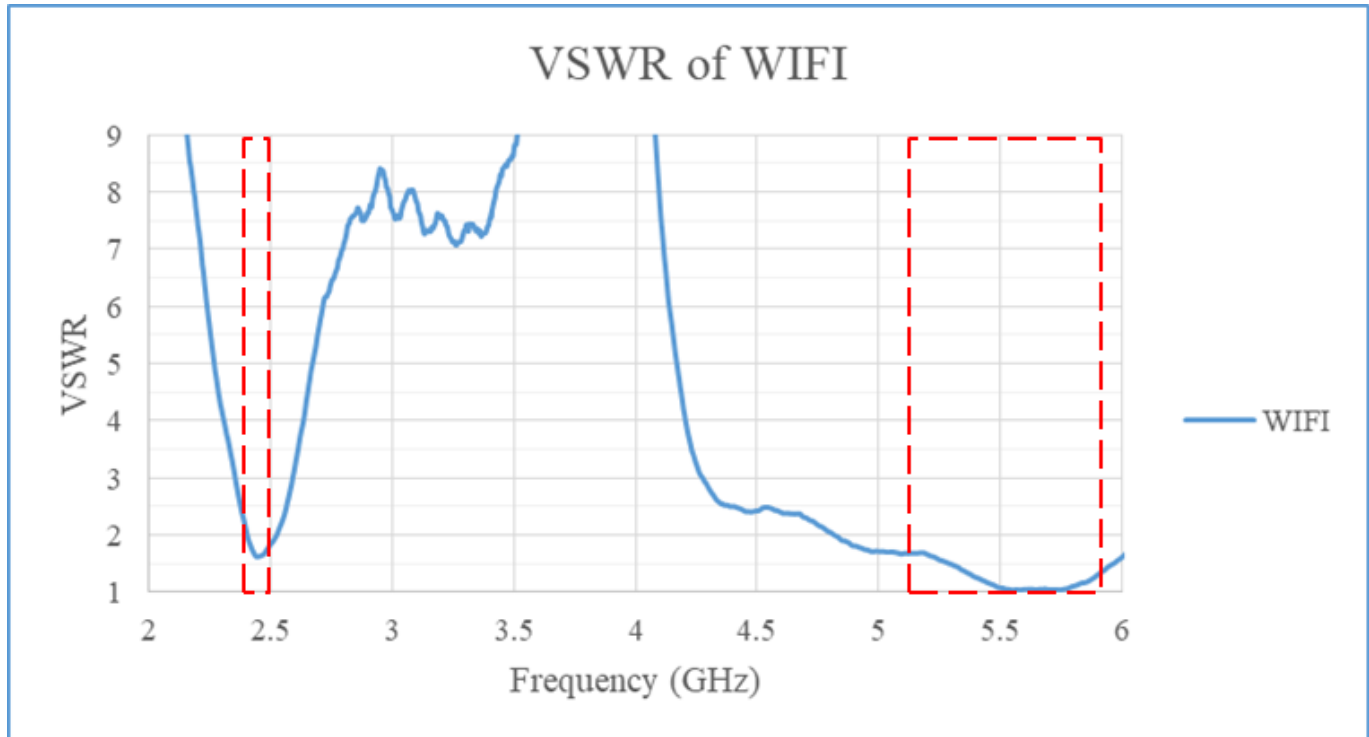
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## TEST SETUP

VSWR



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Series: STARLIGHT

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### TEST SETUP

Gain table

	WIFI		
Freq (MHz)	Eff.(dB)	Eff.(%)	Peak Gain (dBi)
2400	-2.16	60.8	4.06
2450	-1.87	65.0	4.00
2500	-2.19	60.4	3.66
5150	-2.17	60.7	4.55
5250	-2.06	62.2	4.85
5350	-1.82	65.8	5.53
5470	-1.98	63.4	5.41
5600	-1.74	67.0	5.31
5725	-1.96	63.7	5.32
5785	-2.45	56.9	4.77
5850	-1.98	63.4	5.04

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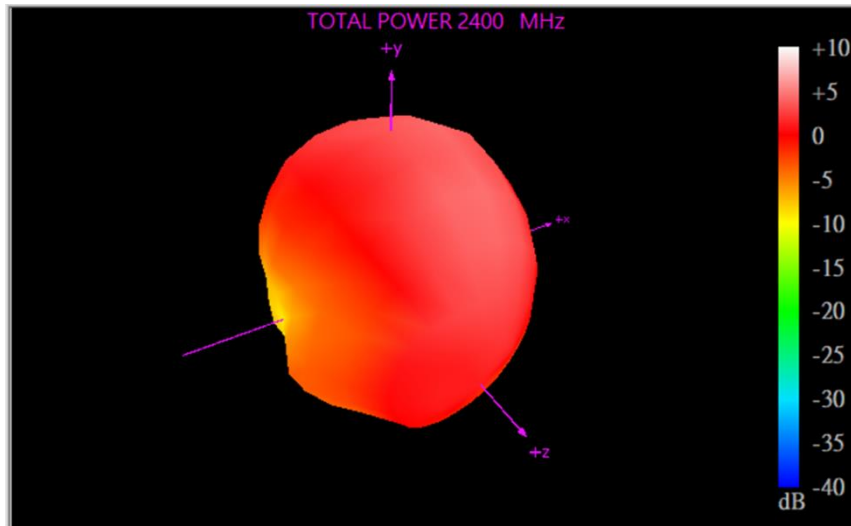
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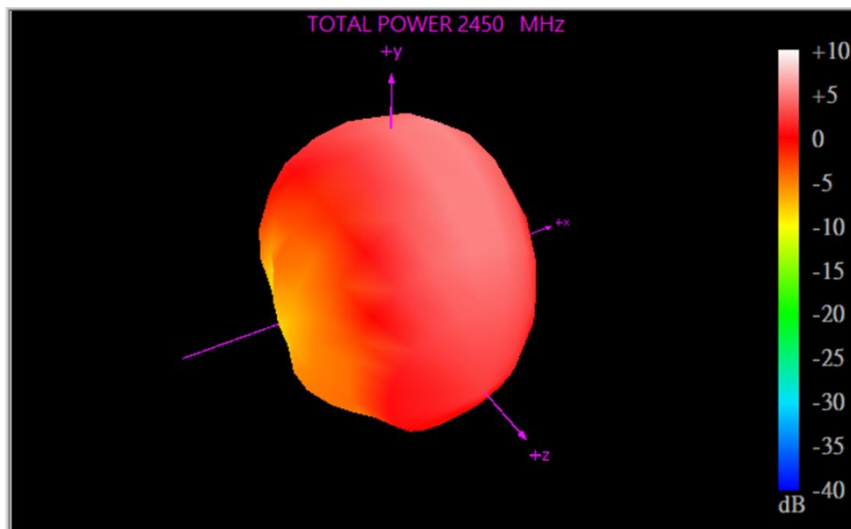
ALTEK P/N: 117-0107-001  
PULSE P/N: BTFA00411325GC8A02

## TEST SETUP

Radiation Pattern of WIFI Antenna (2400MHz)



Radiation Pattern of WIFI Antenna (2450MHz)



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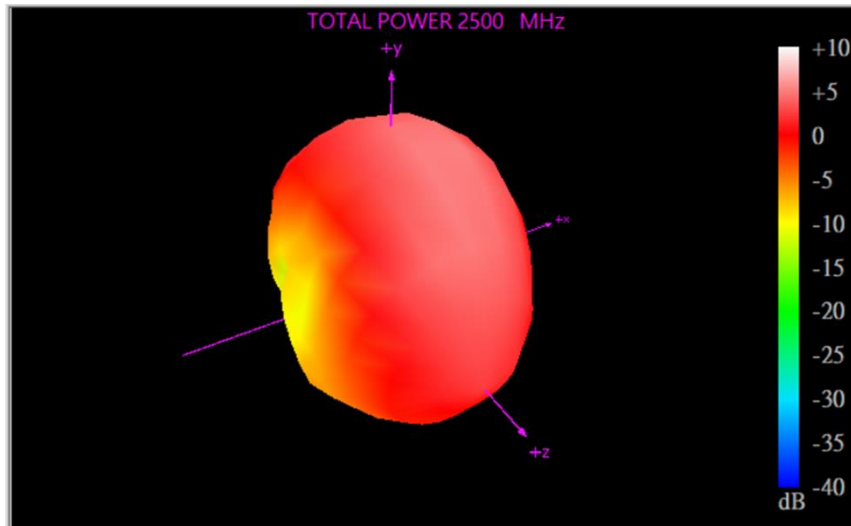
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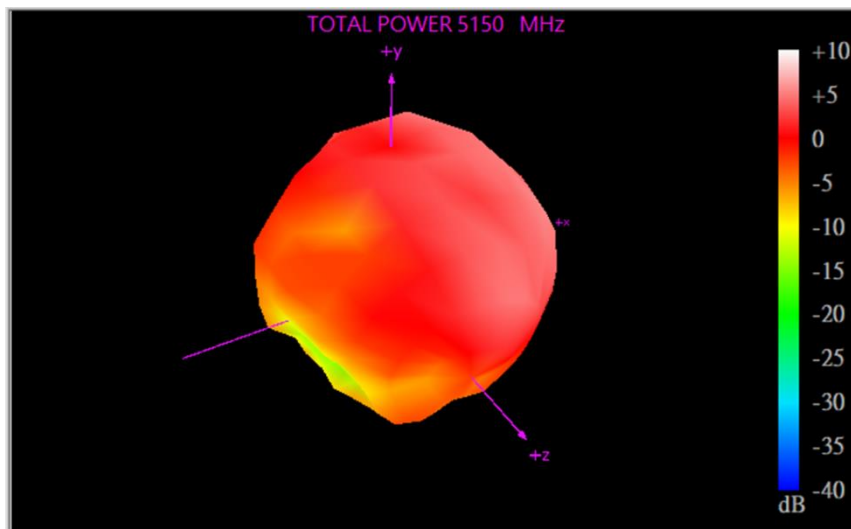
PULSE P/N: BTFA00411325GC8A02

## TEST SETUP

Radiation Pattern of WIFI Antenna (2500MHz)



Radiation Pattern of WIFI Antenna (5150MHz)



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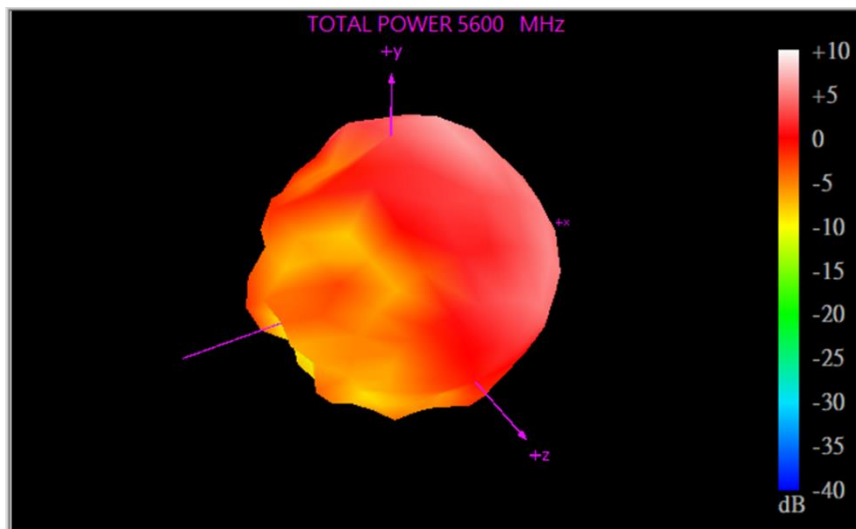
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ALTEK P/N: 117-0107-001

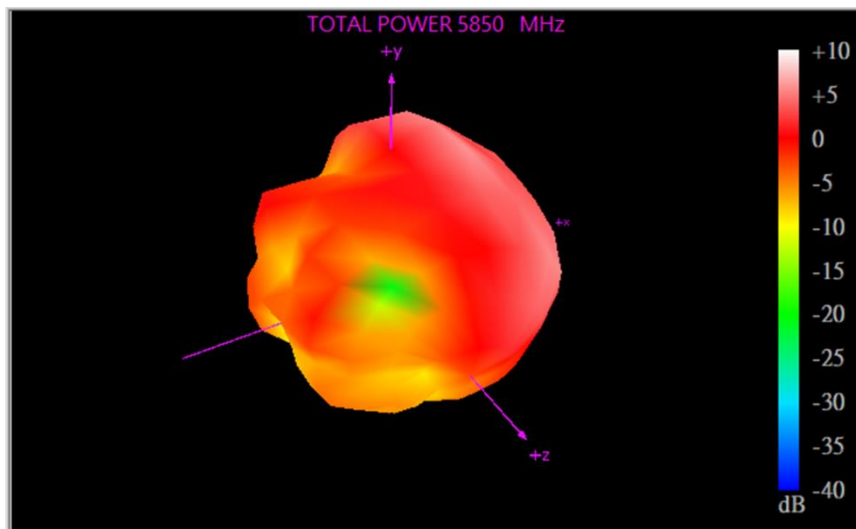
PULSE P/N: BTFA00411325GC8A02

## TEST SETUP

Radiation Pattern of WIFI Antenna (5600MHz)



Radiation Pattern of WIFI Antenna (5850MHz)



Issue: 2032 DRAFT RALFYE

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