

WIFI DUAL-BAND SMA ANTENNA

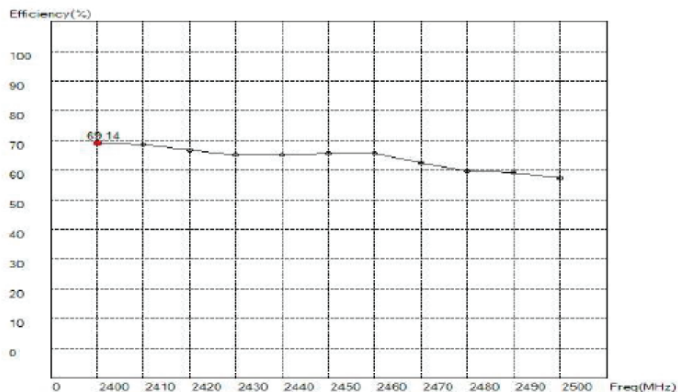


1. GENERAL SPECIFICATIONS

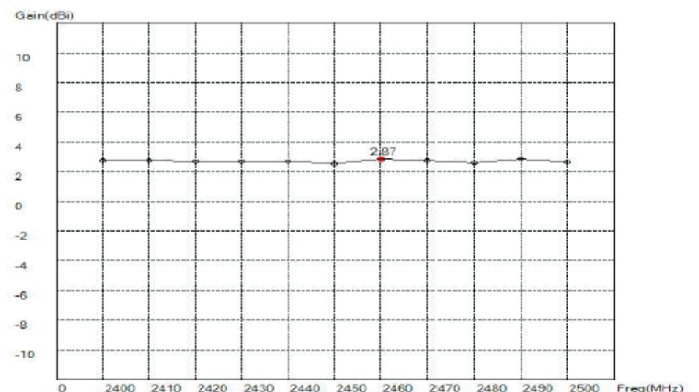
Part Number	PR14RD35
Manufacturer	TELTONIKA NETWORKS UAB
Manufacturer Address	Barsausko g. 66, LT-51436, Kaunas, Lithuania
Frequency Range	2400 ~ 2500, 5100 ~ 5850 MHz
Polarization	Linear
Gain	3.5 dBi max.
V.S.W.R	2.5 max.
Impedance	50 Ω
IP rating	IP33
Connector	RP-SMA Male
Operating Temperature	-40 °C to +75 °C
RoHS Compliant	✓
REACH Compliant	✓

2. EFFICIENCY & GAIN (dBi)

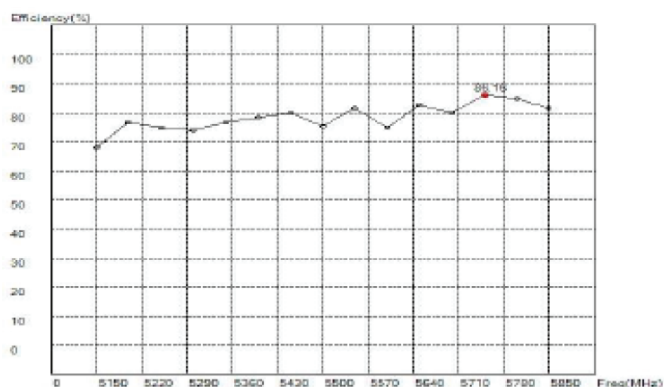
2400-2500 MHz



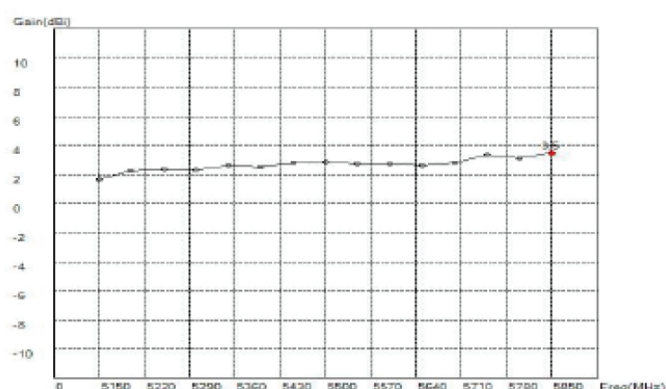
Maximum Efficiency at 2400 MHz : 69.14 %



Maximum Peak Gain at 2460 MHz : 2.87 dBi

5150-5850 MHZ


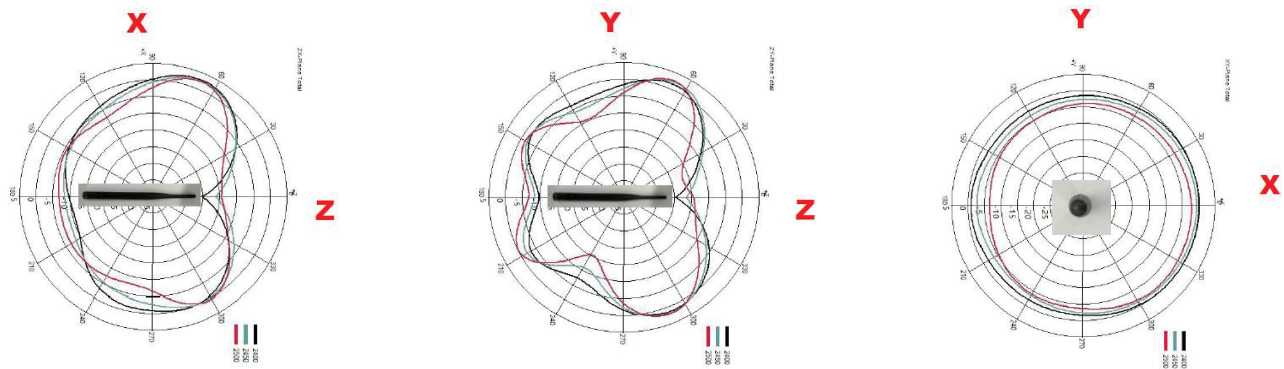
Maximum Efficiency at 5750 MHz : 86.16%



Maximum Peak Gain at 5850 MHz : 3.50 dBi

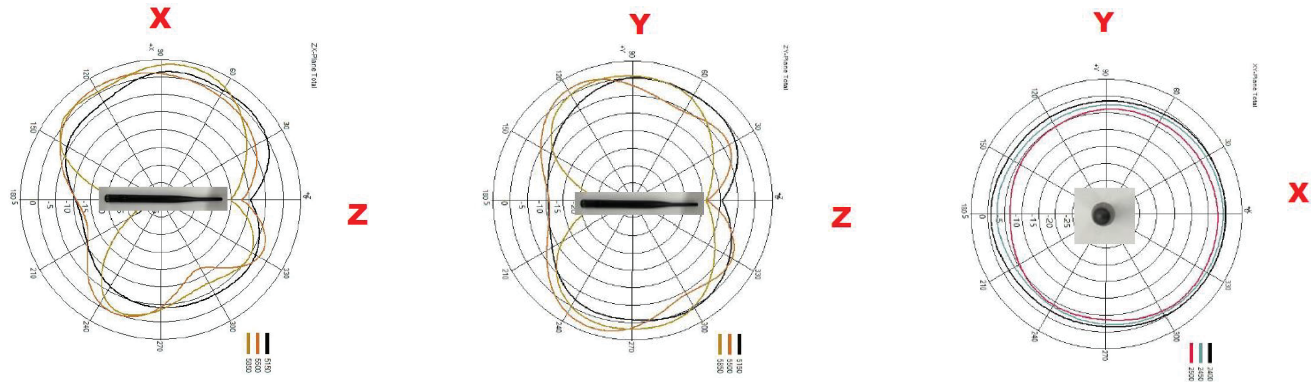
Frequency, MHz	Peak gain, dBi	Efficiency, %
2400	2.76	69.14
2450	2.53	65.63
2500	2.66	57.43
5150	1.66	68.10
5500	2.86	75.51
5850	3.50	81.51

3. 2D RADIATION PATTERN
2400-2500 MHz



	ZX plane		ZY plane		XY plane	
Frequency, MHz	Max Value, dB	Average, dB	Max Value, dB	Average, dB	Max Value, dB	Average, dB
2400	2.76	-2.79	1.42	-2.89	0.36	-0.94
2450	2.38	-3.32	2.29	-2.85	-0.27	-2.14
2500	2.02	-4.12	1.93	-3.20	-0.77	-2.62

5150-5850 MHz



	ZX plane		ZY plane		XY plane	
Frequency, MHz	Max Value, dB	Average, dB	Max Value, dB	Average, dB	Max Value, dB	Average, dB
5150	1.49	-2.73	0.45	-2.42	1.66	-0.32
5500	1.90	-2.52	2.17	-1.96	1.64	-0.42
5850	3.50	-2.17	1.80	-2.28	3.50	1.34

4. MECHANICAL PROPERTIES

