



Enabling Industrial IoT



Tango 28

2.4GHz Tiny stubby panel mount WiFi/Bluetooth antenna



Key Features

- Panel mount, small stubby WiFi antenna
- Tiny 12.3mm height from panel surface to antenna top
- 5mm threaded segment

General Description

The Tango 28 is a very small panel mount WiFi / Bluetooth antenna. Ideal for small projects located within a good signal zone.

The antenna is compatible with Bluetooth, WiFi and Zigbee enabled IoT devices.

The standard version comes with 100mm of 1.13mm Ø cable and an IPEX / uFL connector. Alternative connectors and cable lengths may be specified for volume orders.

Additional Considerations

- Allows simple connection onto PCB
- Indoor use only





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Tango 28

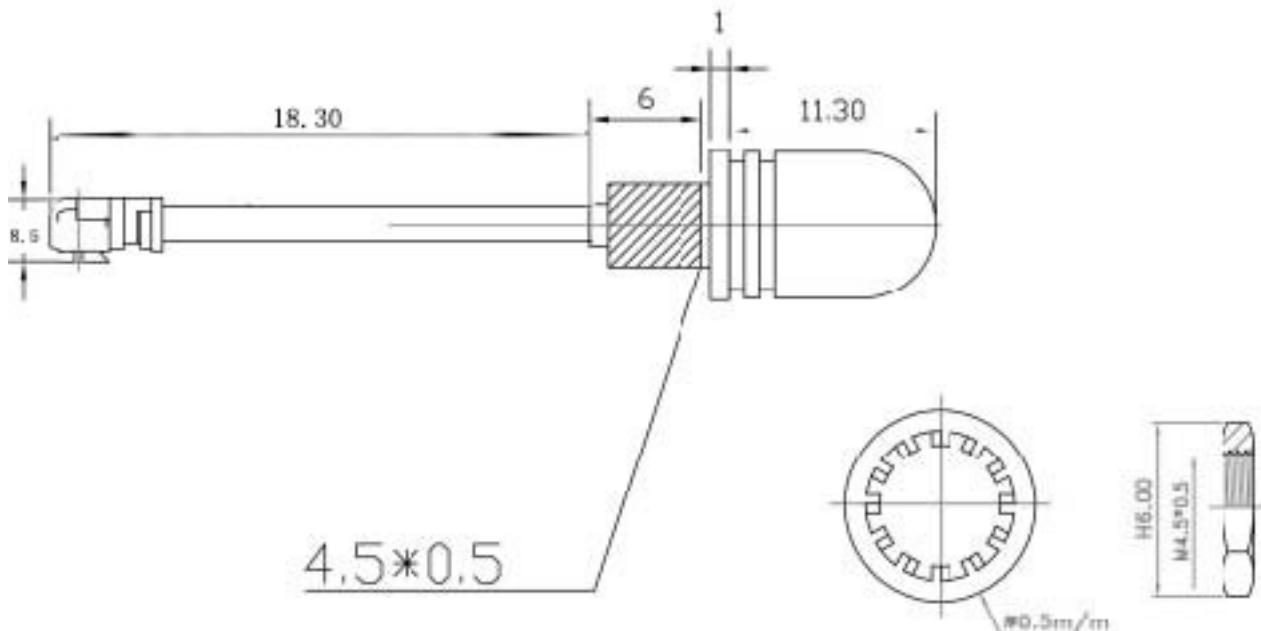
2.4GHz Tiny stubby panel mount WiFi/Bluetooth antenna

Electrical Specifications

Operating temperature:	-30 to +65°C
Impedance:	50 Ohm
Gain:	0 dBi
VSWR:	< 1.7:1
Frequency Range:	2.4 - 2.5GHz

Mechanical Specifications

Dimensions:	L: 18.3mm 8.5mm Ø
Cable:	RG178
Operating Temperature:	-25 to +75°C
Storage Temperature:	-35 to +75°C
Indoor use only	





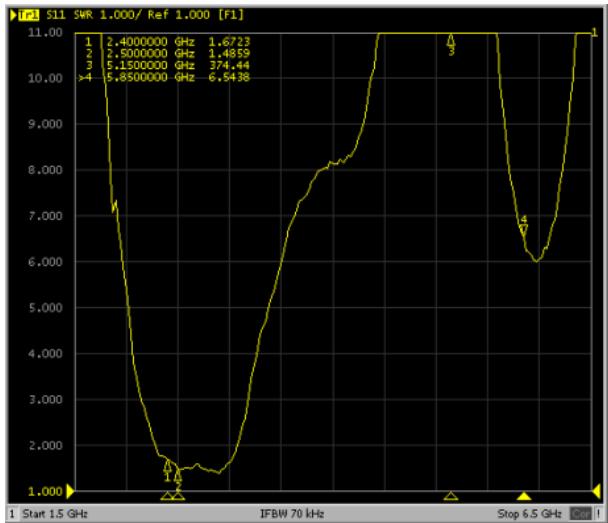
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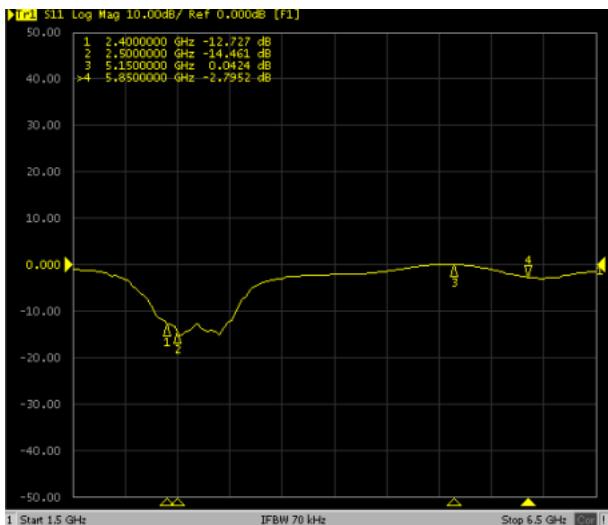
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2.4GHz Tiny stubby panel mount WiFi/Bluetooth antenna

VSWR



Return Loss



Ordering Details

Part number	Description
TANGO28/0.1M/IPEX/S/S/35	2.4GHz 12.3mm very small stubby / panel mount WiFi / Bluetooth antenna

Registered in England No. 08405712
VAT Registration No. GB163 04 0349

Siretta Ltd
Basingstoke Road
Spencers Wood
Reading
Berkshire RG7 1PW

sales +44(0)118 976 9014
fax +44(0)118 976 9020
email sales@siretta.com
web www.siretta.com

Rev 1.1

Passive Test For 2400-2500											Application Information	
Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)	Gain (dBd)	UHIS (%)	DHIS (%)	Max (dB)	Min (dB)	Attenut Hor	Attenut Ver	04Version	4.95.303
2400	20.14	-6.96	-4.06	-6.21	10.708	9.429	-4.06	-13.73	49.1	49.14	TotalTime	3m 19s 918ms
2410	20.68	-6.85	-3.59	-5.74	11.364	9.312	-3.59	-14.28	49.03	48.62	AdditionalInfor	NULL
2420	21.58	-6.66	-3.74	-5.89	12.092	9.492	-3.74	-14.77	49.16	48.27		
2430	23.36	-6.32	-3.12	-5.27	12.923	10.438	-3.12	-13.15	49.19	48.37		
2440	29.81	-5.26	-2.24	-4.39	16.452	13.362	-2.24	-12.45	49.54	48.95		
2450	37.8	-4.22	-1.23	-3.38	20.732	17.072	-1.23	-13.45	49.81	49.33		
2460	45.72	-3.4	-0.61	-2.76	25.088	20.637	-0.61	-11.87	49.92	49.76		
2470	44.44	-3.52	-0.42	-2.57	24.151	20.293	-0.42	-12.33	49.68	48.99		
2480	55.84	-2.53	0	-1.77	30.63	25.208	0.38	-12.53	49.99	49.95		
2490	51.9	-2.85	0.53	-1.62	28.641	23.258	0.53	-11.73	50.15	49.01		
2500	47.88	-3.2	-0.23	-2.38	26.412	21.467	-0.23	-12.45	50.02	48.88		

2400.00MHz - 2500.00MHz Gain

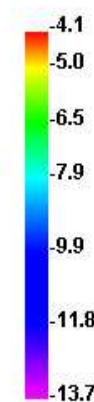
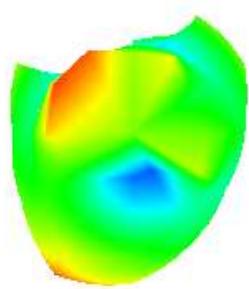


2400.00MHz - 2500.00MHz Efficiency

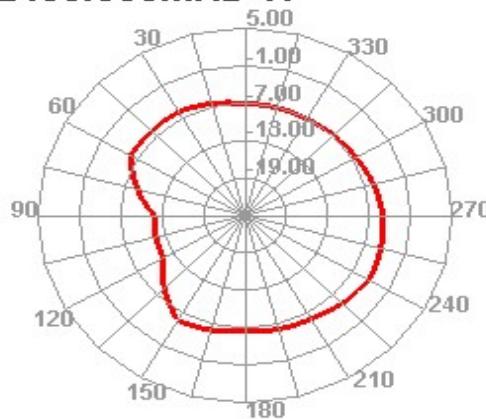


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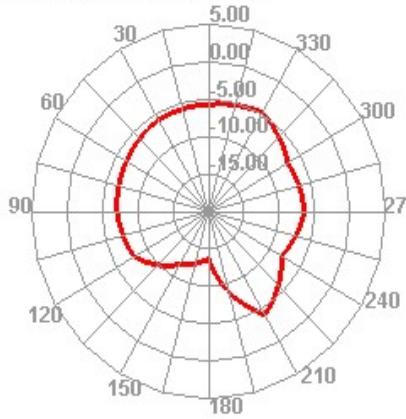
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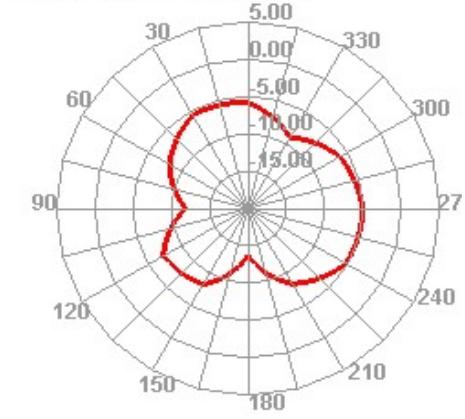
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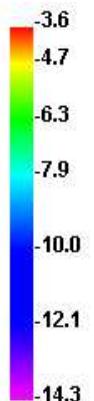
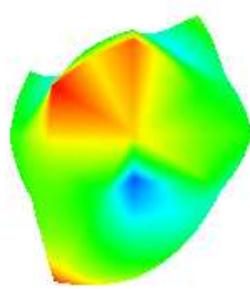
2400.000MHz E1



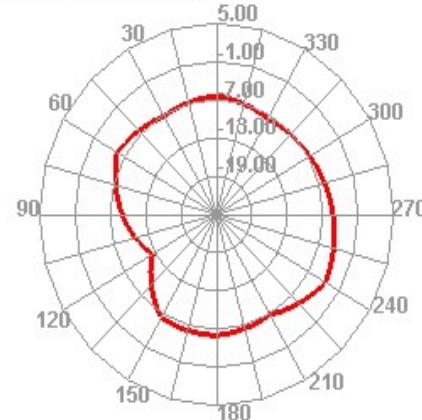
2400.000MHz E2



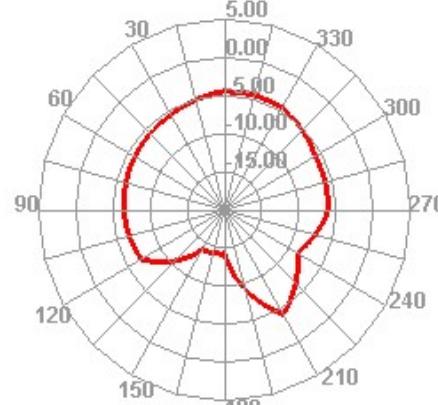
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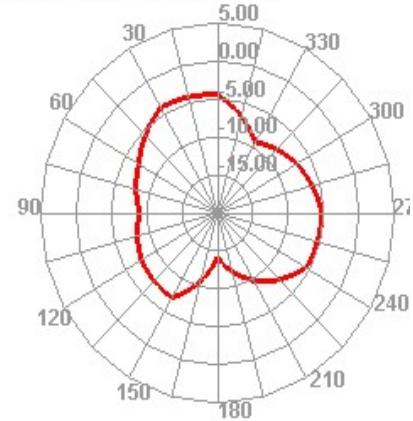
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2410.000MHz E1

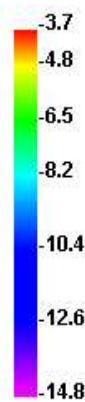
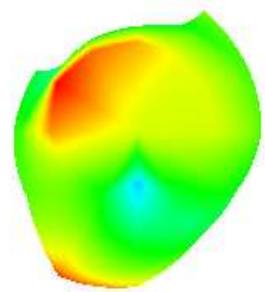


2410.000MHz E2

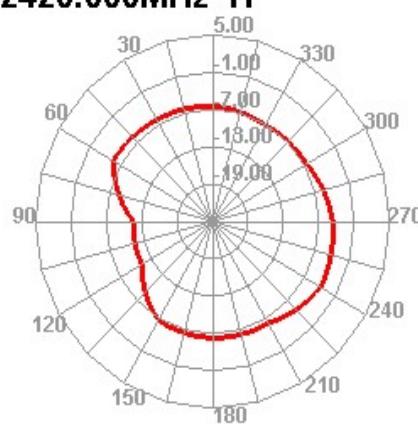


Unit:dBi

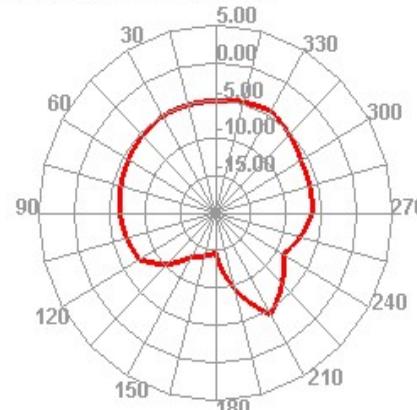
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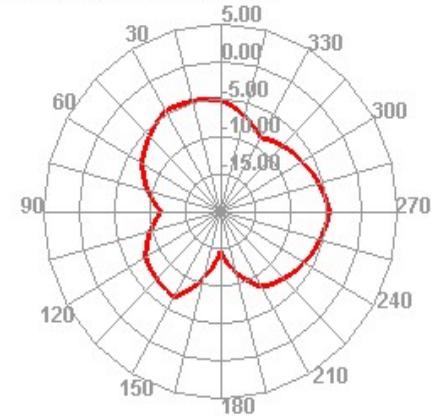
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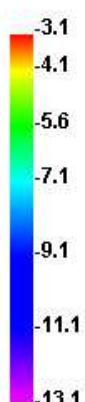
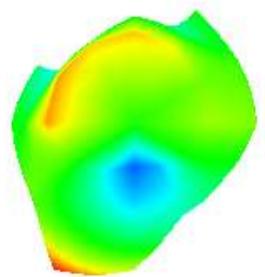
2420.000MHz E1



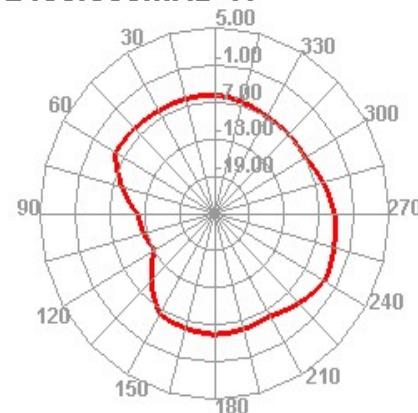
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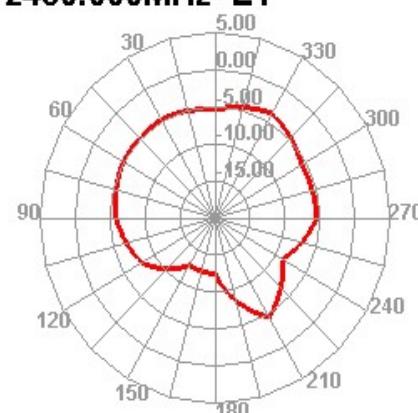
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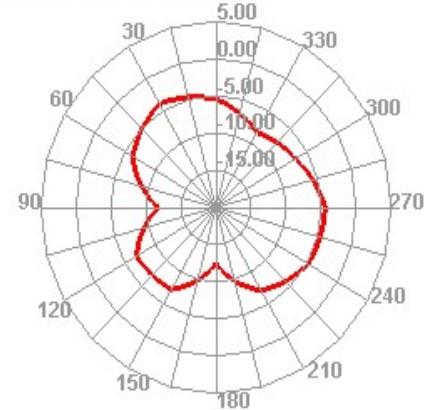
2430.000MHz H



2430.000MHz E1

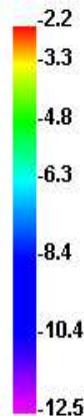
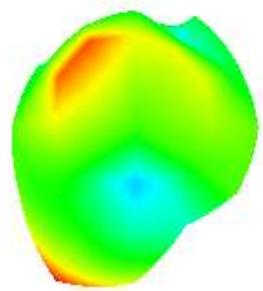


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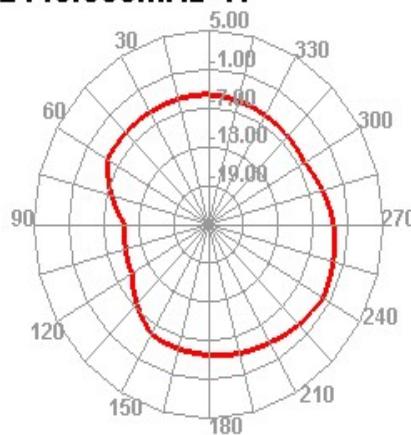


Unit:dBi

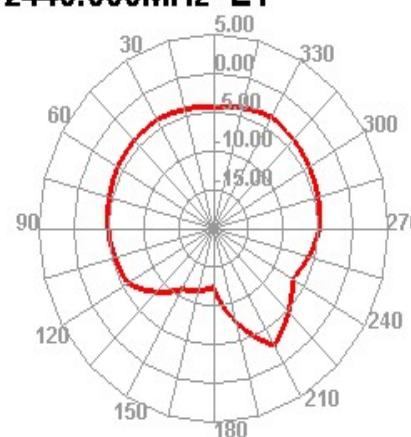
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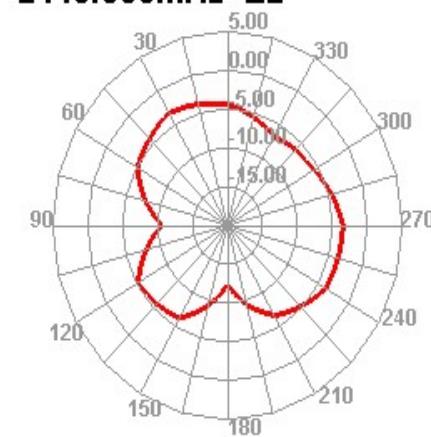
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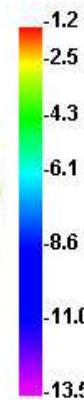
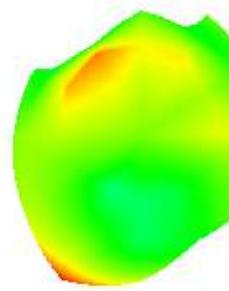
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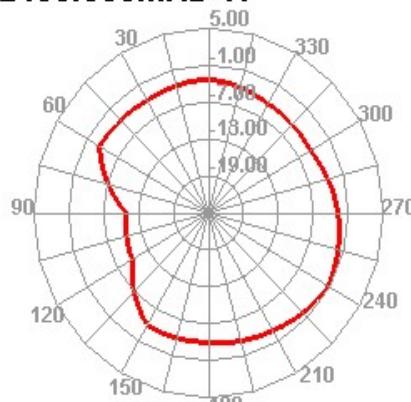
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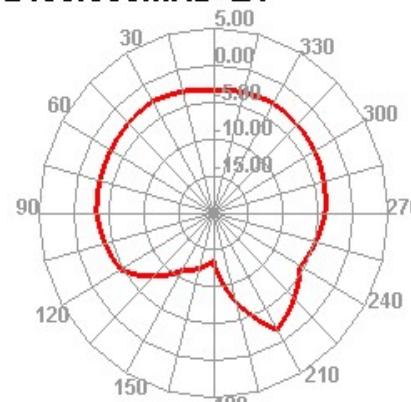
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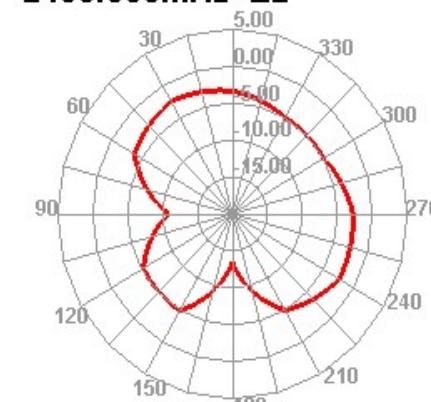
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2450.000MHz E1

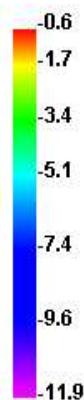
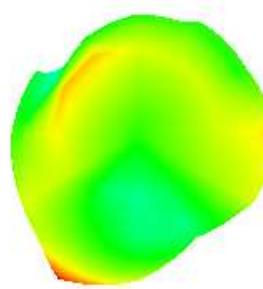


2450.000MHz E2

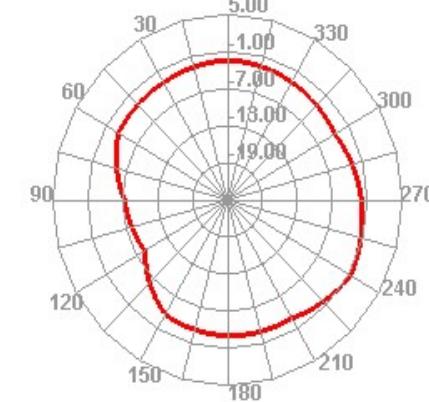


Unit:dBi

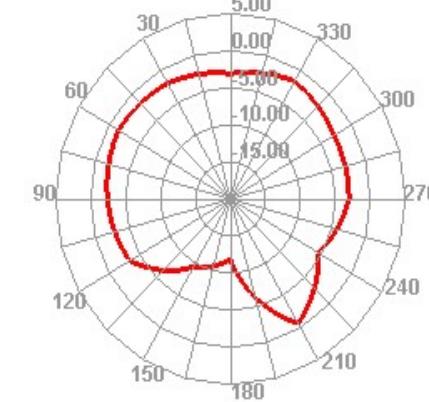
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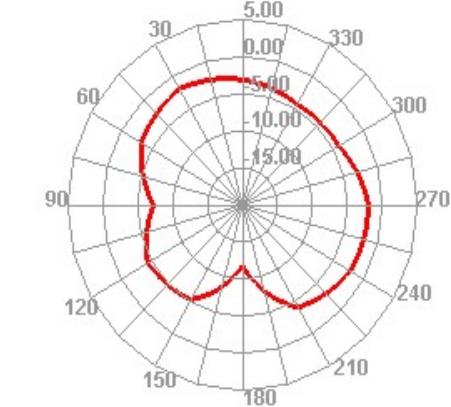
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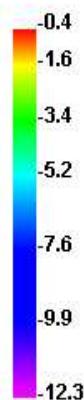
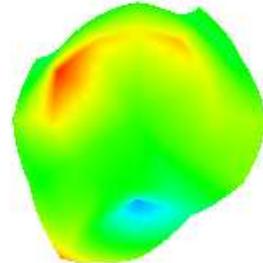
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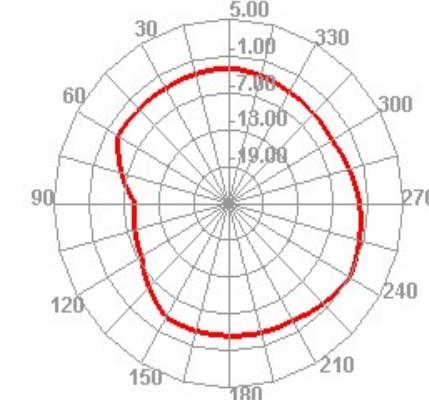
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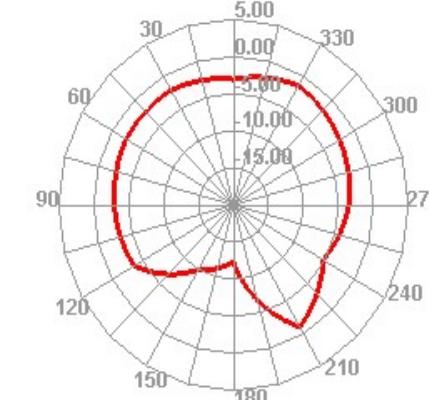
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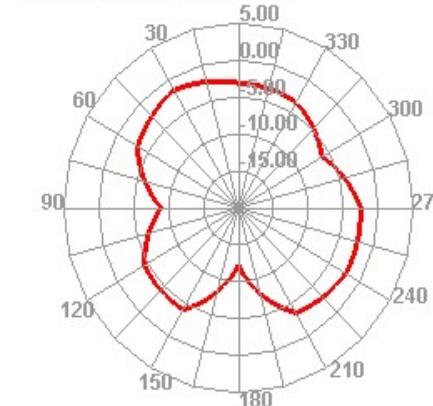
2470.000MHz H



2470.000MHz E1

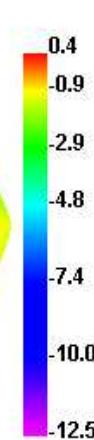
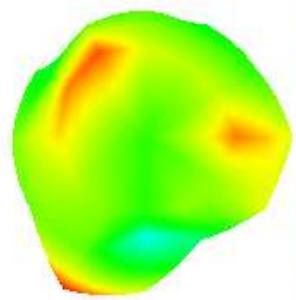


2470.000MHz E2

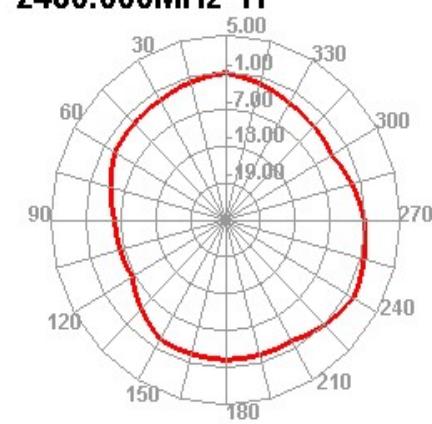


Unit: dBi

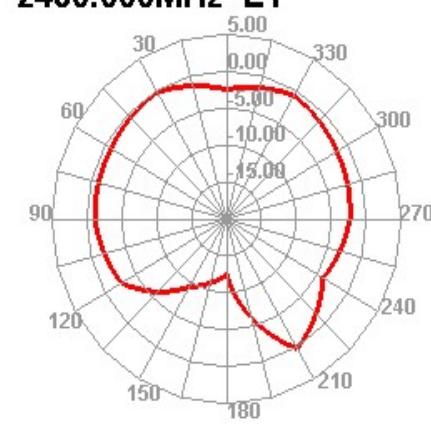
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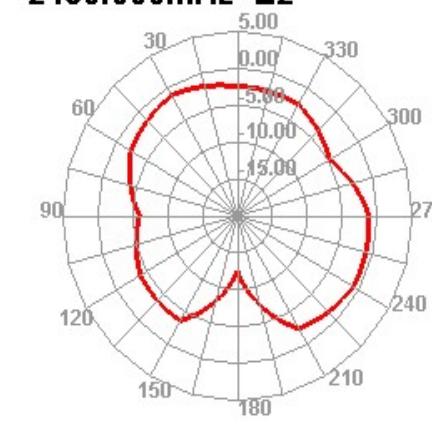
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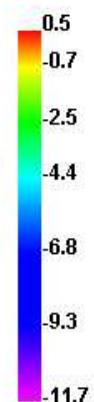
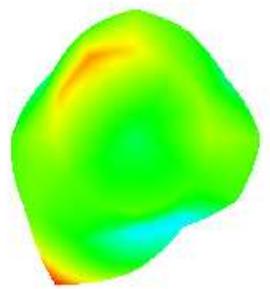
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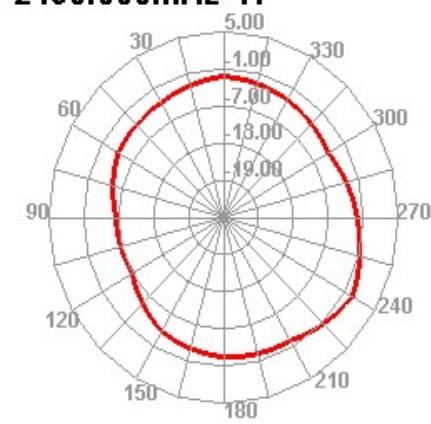
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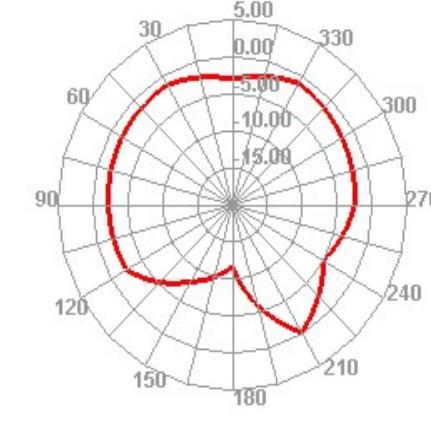
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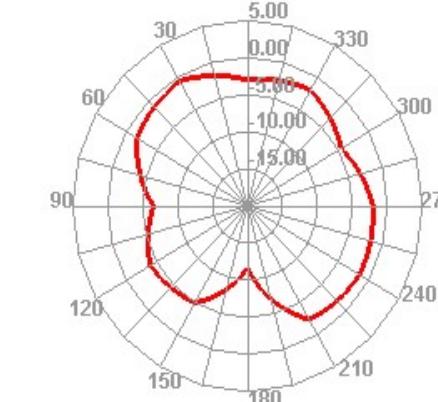
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2490.000MHz E1

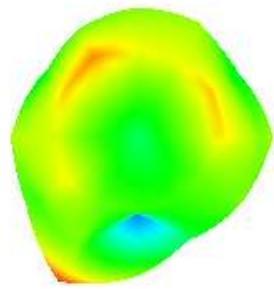


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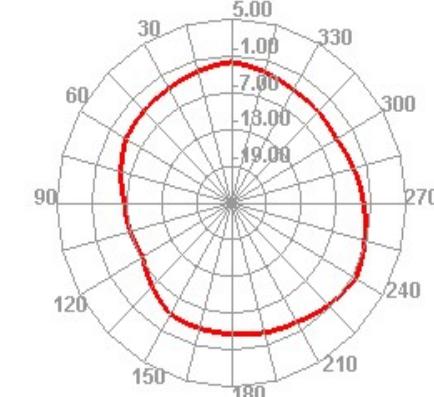


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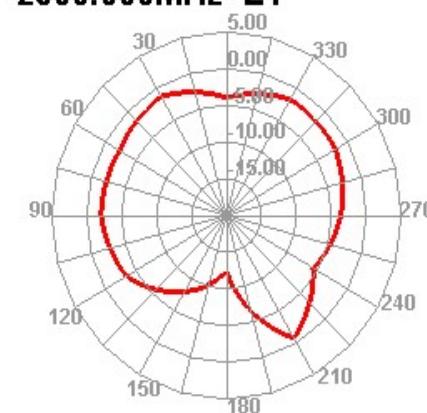
2500.000MHz



2500.000MHz H



2500.000MHz E1



2500.000MHz E2

