

PASCE Ltd
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30th October 2023

PASCE Ltd would like to present the following information regarding the MRBT3 Antenna specification

Brand Name	MINIRIG MRBT4
Product Description	Minirig Portable Bluetooth Speaker
Frequency range	2.40 – 2.485Ghz
BTM Output Power	+10dBm (10mW)
Modulation:	BT classic / BLE $\pi/4$ -DQPSK and 8DPSK
Antenna Type	PCB Antenna
Antenna manufacturer	PASCE Ltd
Antenna Gain	+1.90Bi (max)
Antenna model	V1

Antenna measurement data

Frequency	Gain . dBi	Efficiency	Efficiency . dB
2400MHz	1.90	50%	-2.99
2410MHz	1.49	49%	-3.13
2420MHz	1.40	49%	-3.10
2430MHz	1.34	49%	-3.06
2440MHz	1.33	49%	-3.11
2450MHz	1.04	46%	-3.34
2460MHz	0.53	40%	-3.96
2470MHz	0.36	38%	-4.18
2480MHz	-0.10	34%	-4.65
2490MHz	-1.05	27%	-5.66
2500MHz	-0.93	27%	-5.61

Please do not hesitate to contact the Undersigned should you require additional information or have any questions.

Yours Truly,

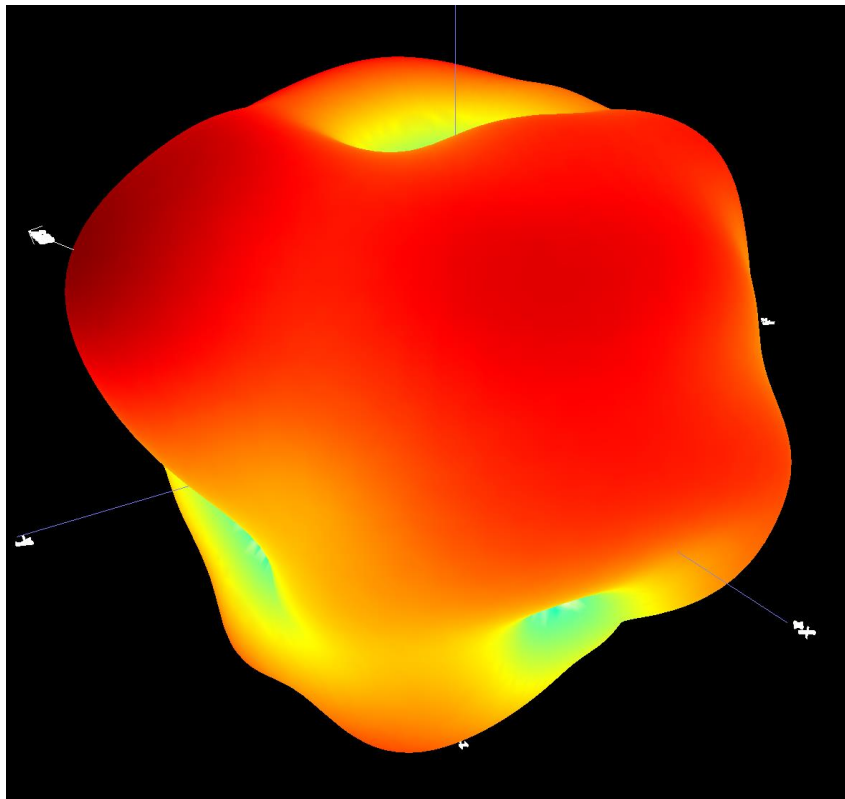
David Trotter Director

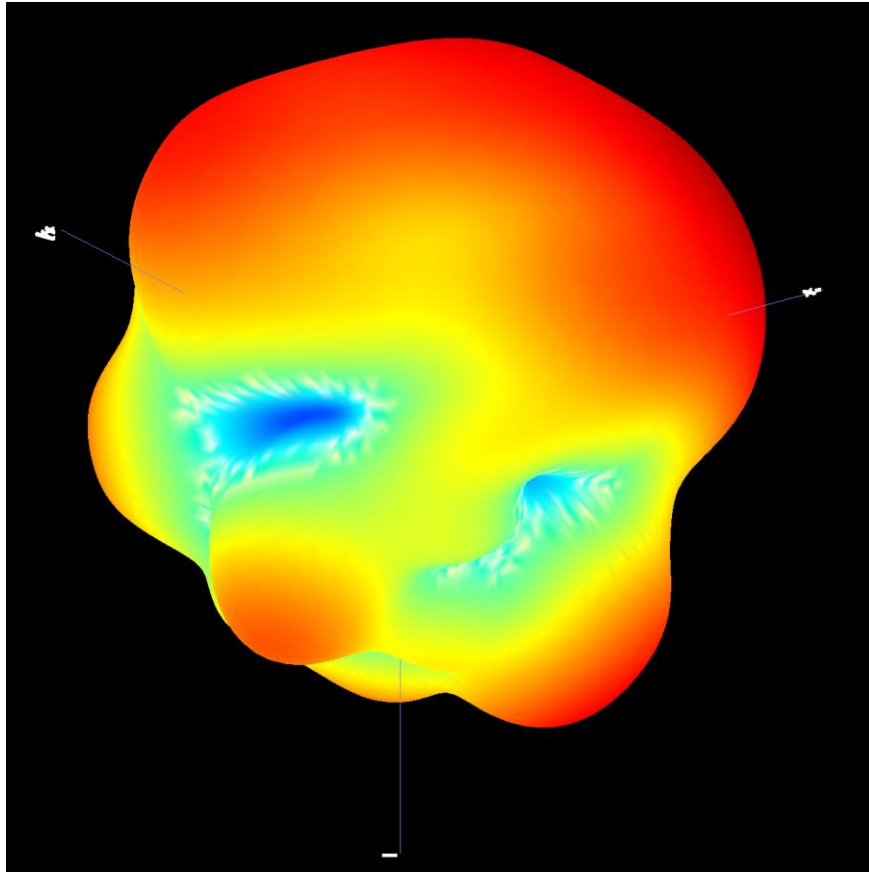
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Antenna test setup photograph



Polar plots





Reference Coordinate System

