

Model BSM00500U- Antenna Specification

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Dual Band Antenna

Summary

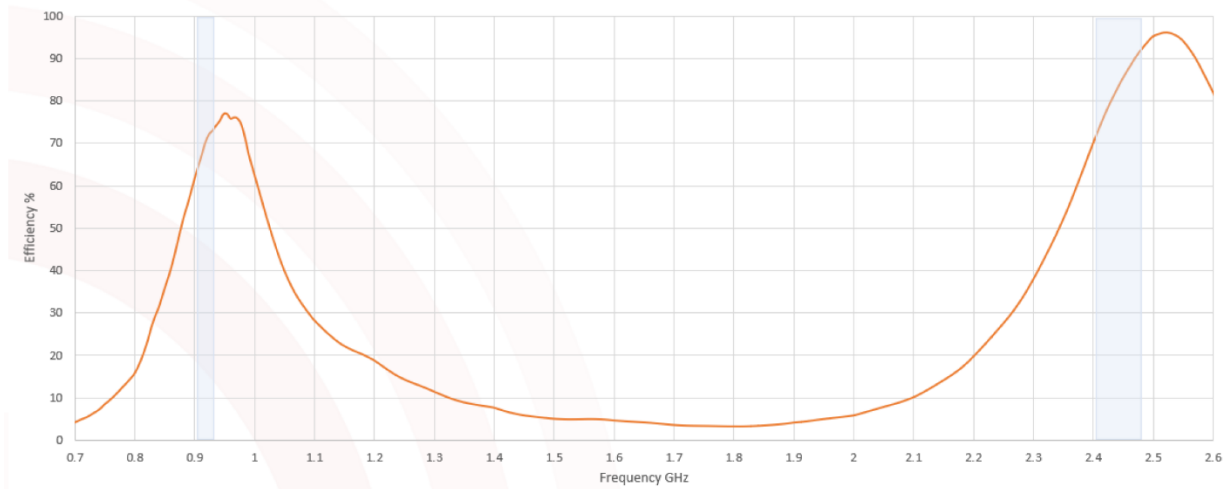
Antenna	Antenna name	Type	Frequency Response
AE2	FTDBWM043	stamped metal	2400 – 2500 MHz 900 – 928 MHz
AE1	FTLRAM044	stamped metal	900 – 928 MHz

Performance

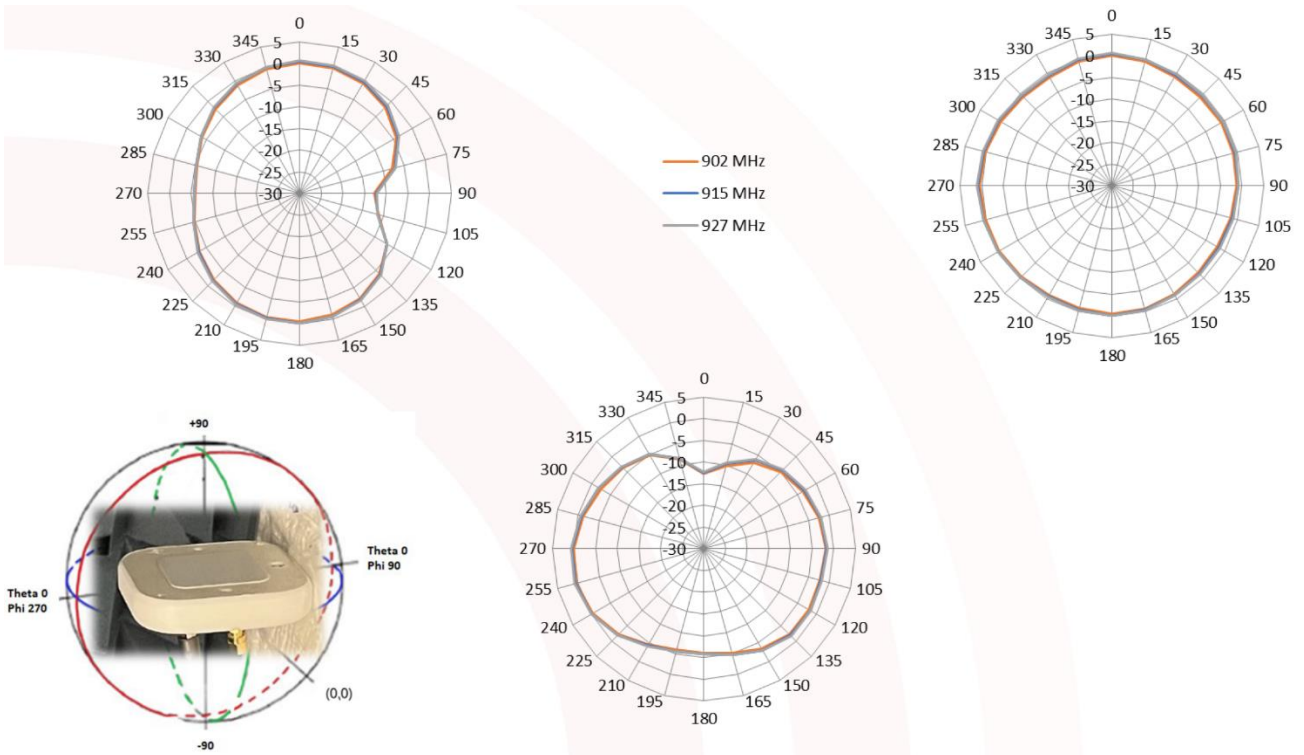
Parameters	Performance								
Antenna	AE1			AE2					
Frequency (MHz)	902	915	927	902	915	927	2402	2440	2480
Efficiency (%)	61.5%	67.6%	68%	65%	71%	75%	72%	83%	92%
Peak Gain (dBi)	0.42	0.78	0.77	0.60	0.88	1.58	2.6	3.5	4.2
Impedance (ohms)	50	50	50	50	50	50	50	50	50
VSWR	≤ 1.6	≤ 1.6	≤ 1.6	≤ 2.1	≤ 2.1	≤ 2.1	≤ 2.1	≤ 2.1	≤ 2.1
Polarization	Linear	Linear	Linear	Linear	Linear	Linear	Linear	Linear	Linear
Maximum Input Power (W)	10	10	10	10	10	10	10	10	10

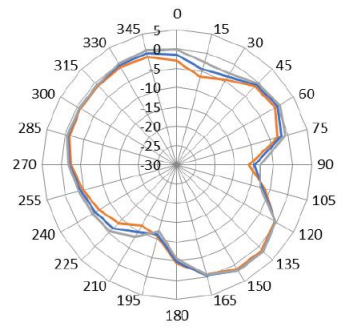
AE2 Antenna

Passive Efficiency

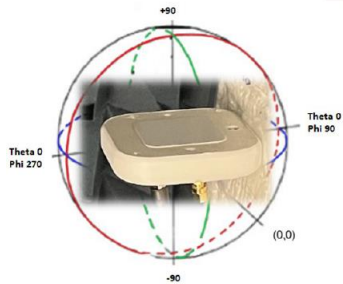
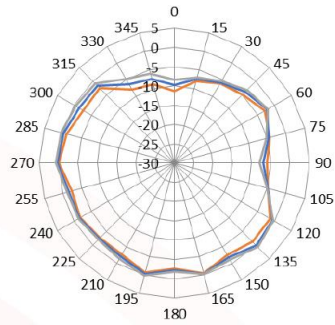
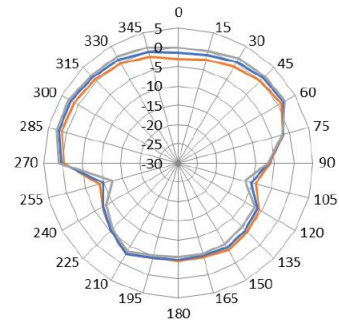


Radiation Patterns



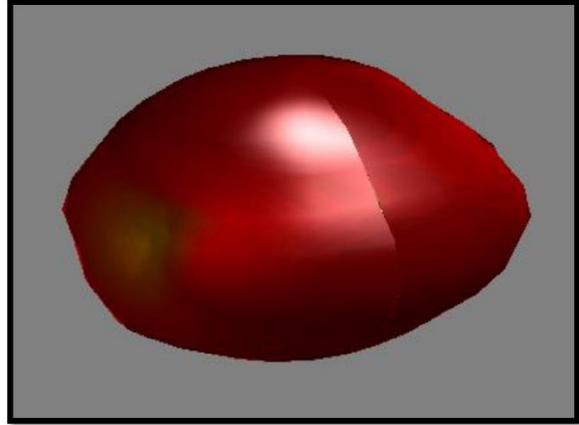
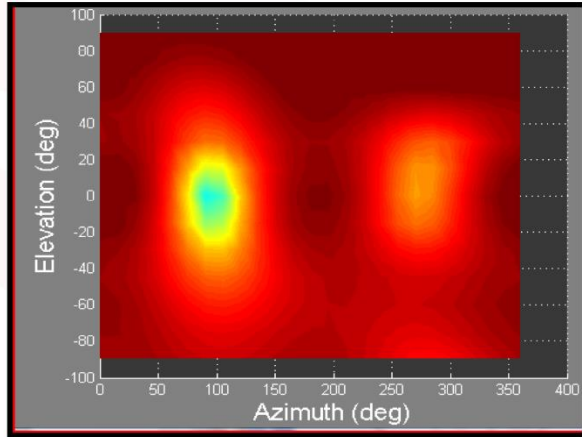


— 2402 MHz
— 2440 MHz
— 2480 MHz

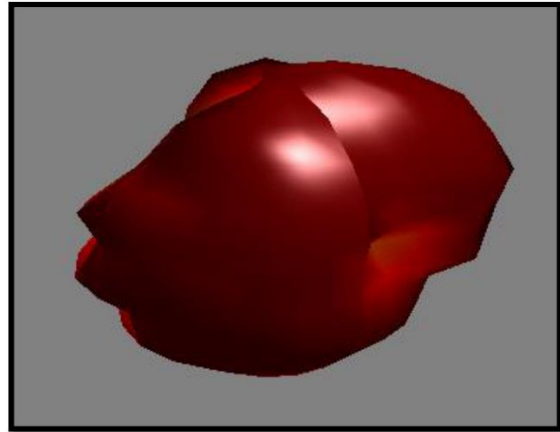
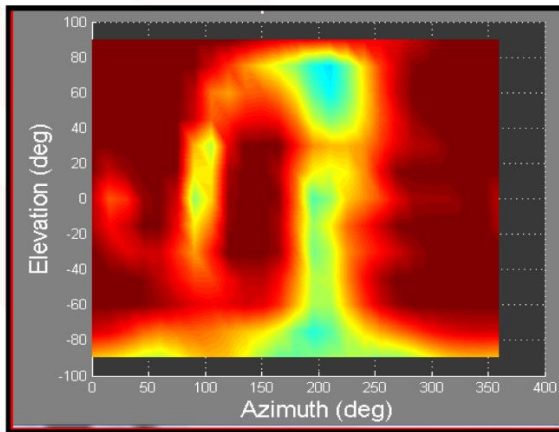


2-D / 3-D Plots

915 MHz

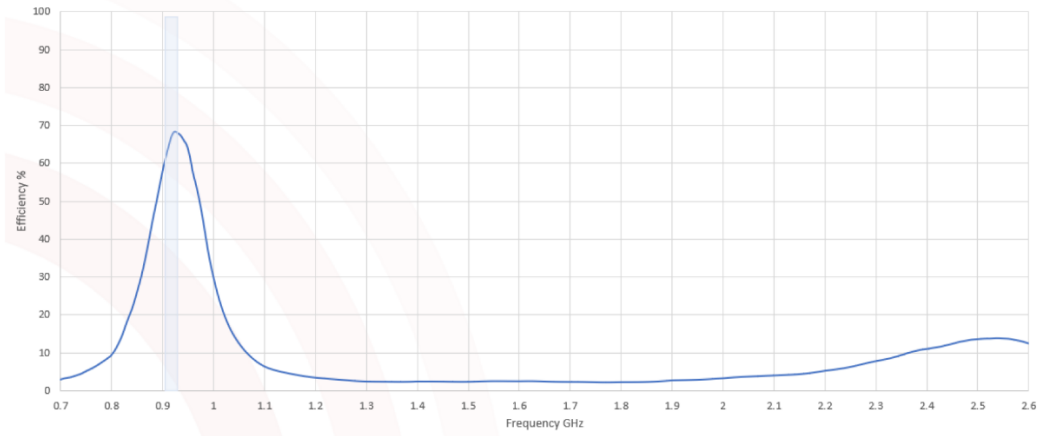


2.44 GHz

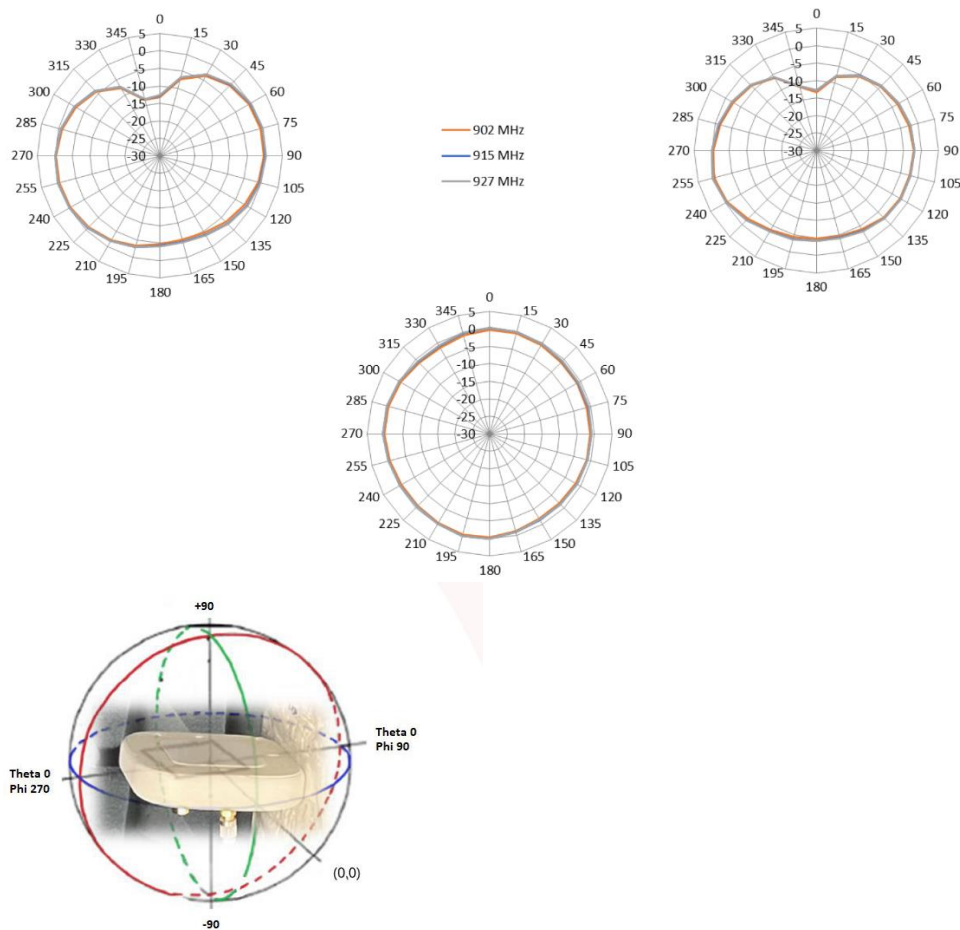


AE1 Antenna

Passive Efficiency



Radiation Patterns



2-D / 3-D Plots

915 MHz

