

Approval Paper

Internal Antenna

Manufacturer: SUPREMA

MODEL: BS3 APWB,BS3 DB

PART No: BS3 BLE Antenna

page2 ----- Spec

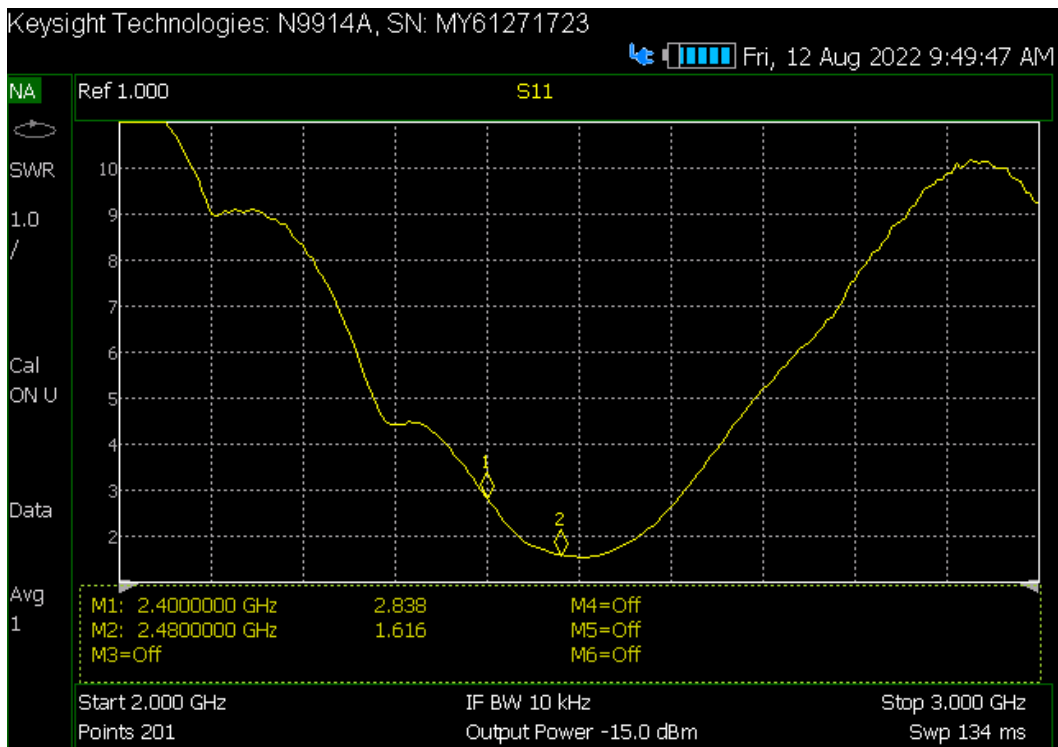
page3----- Electrical Performance Data

page4 ----- Drawing & picture

Spec

Band	2.4GHz ISM
Frequency	2.4~2.48GHz
VSWR	≤4.5
Peak Gain	-5.46 ~ -2.42 dBi
Avg Gain	-10.76~-8.54 dBi
Directivity	Directional
Polarization	Linear
Impedance	50 Ohms
TYPE	PCB(FR4) type PIFA

VSWR

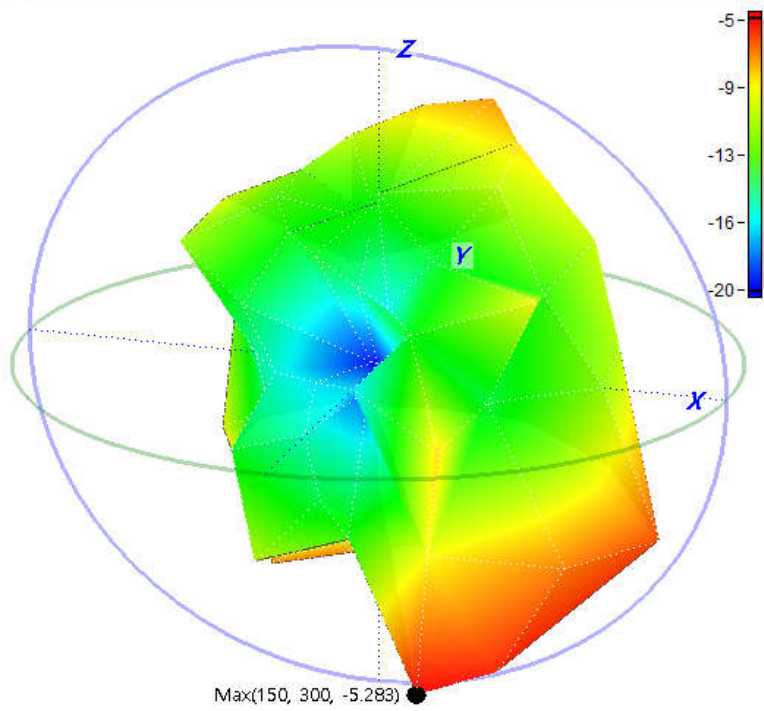


Radiation

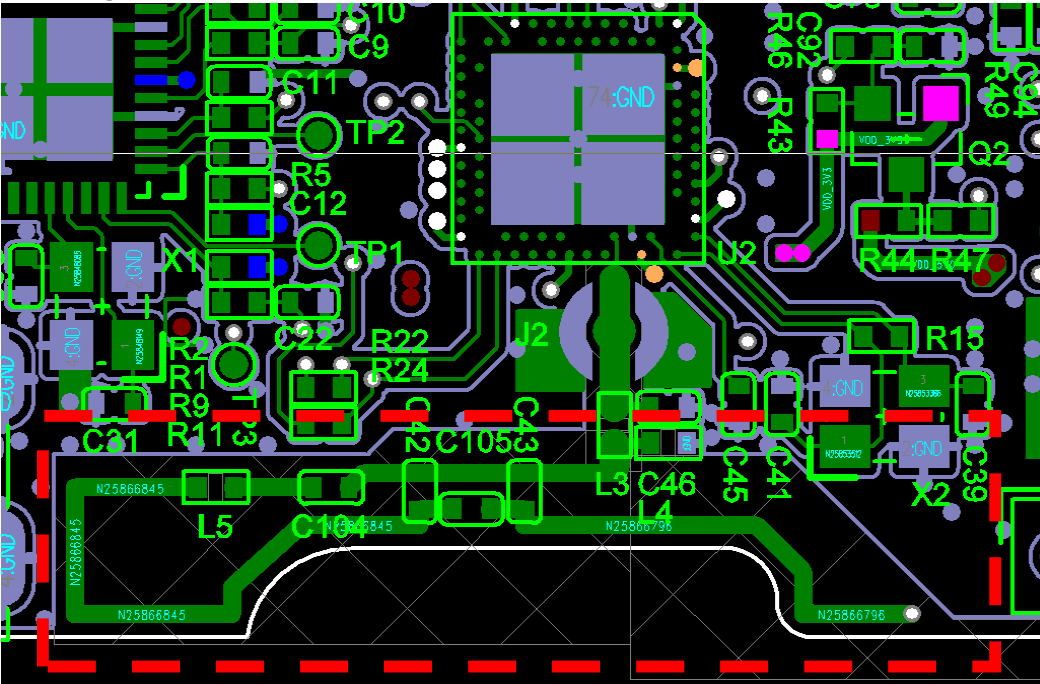
No	Frequency	Peak Value		Minimum Value		Avg. Gain	Efficiency
	[MHz]	Value[dBi]	Degree	Value[dBi]	Degree	[dBi]	[%]
1	2400	-5.28	150 / 300	-19.75	60 / 270	-10.76	8.39
2	2430	-5.46	120 / 90	-18.77	90 / 270	-9.62	10.91
3	2460	-2.82	120 / 90	-19.51	90 / 270	-8.35	14.61
4	2480	-2.42	120 / 90	-17.67	90 / 270	-8.54	14.00

Pattern

- 3D Graph -



Drawing



Pictures

