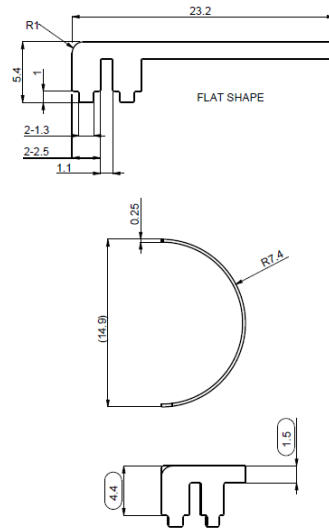


Fobo Next Antenna Report

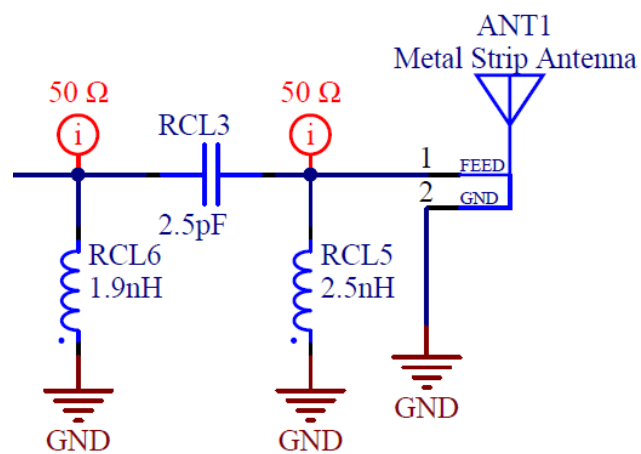
1. Electrical Characteristics

Item	Specification
Type	Metal Inverted F antenna
Antenna Manufacturer	G-Shank Enterprise (M) Sdn Bhd Plot 94, Hala Kampung Jawa 2 Bayan Lepas Industrial Estate, 11900 Bayan Lepas, Pulau Pinang, Malaysia
Operating Frequency	2402MHz ~ 2480MHz
Bandwidth	78MHz
Gain	-3.57dBi
Polarization	Linear
VSWR	2 max
Azimuth Bandwidth	Omni directional
Impedance	50Ω
Rated Power	0dBm
Maximum Input Power	8dBm
Operating Temperature	-40°C ~ 85°C

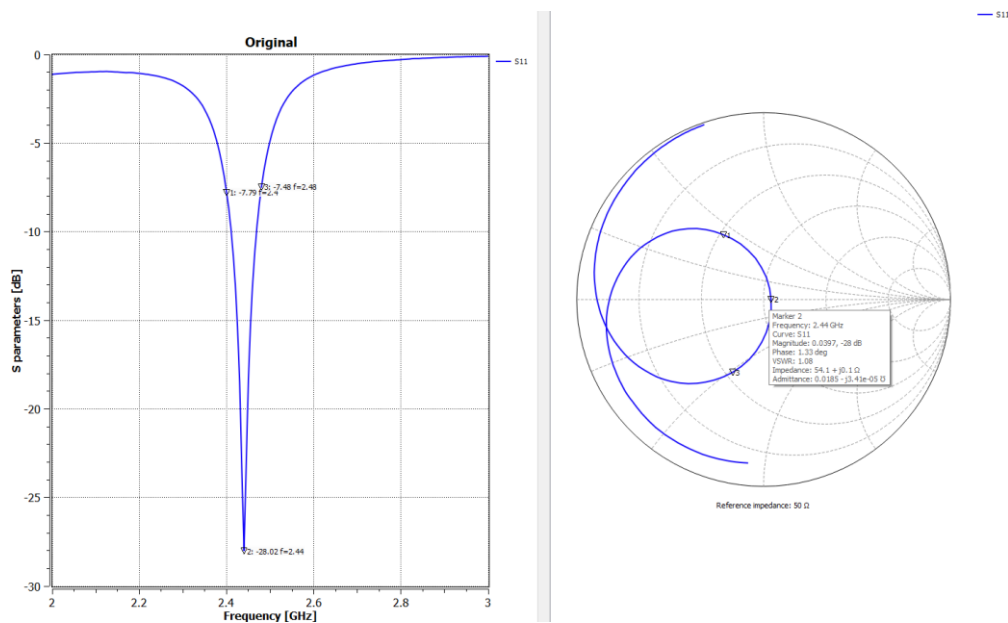
2. Antenna Dimension



3. Matching Circuit



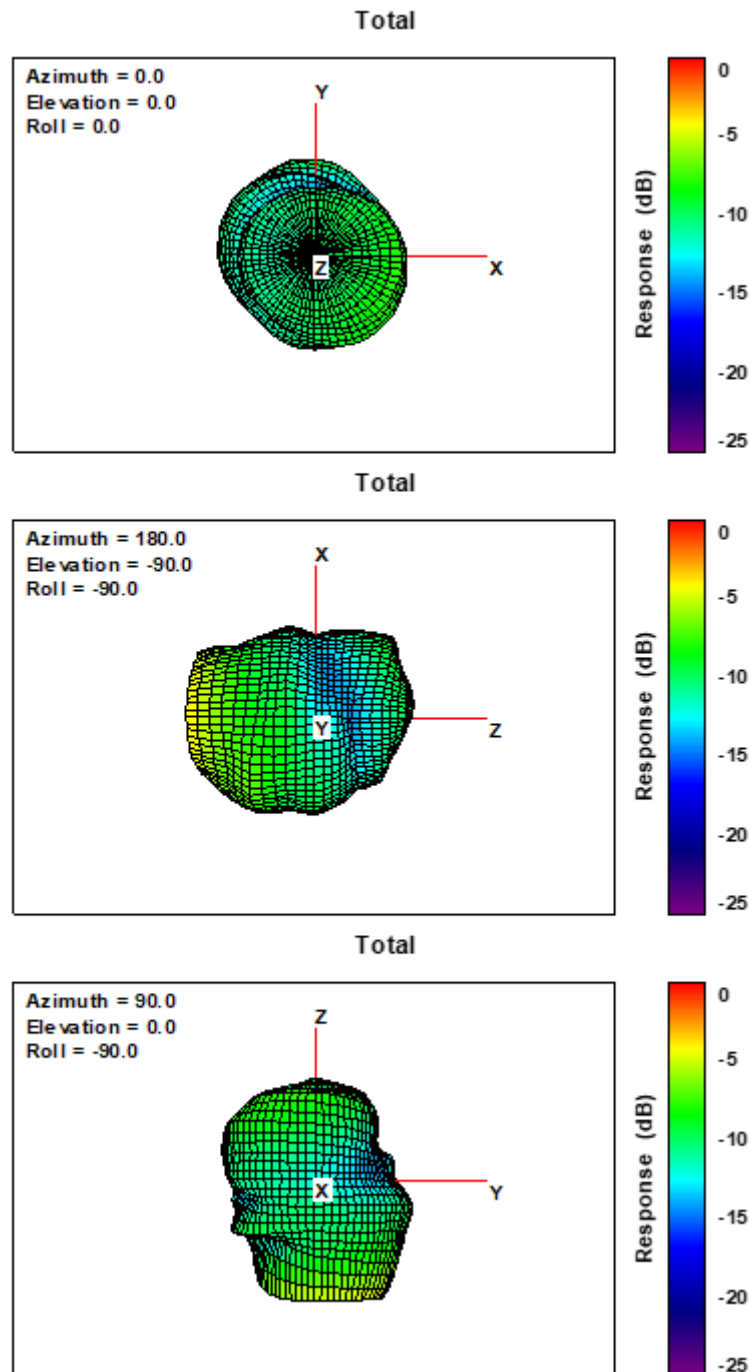
4. Antenna Matching Result



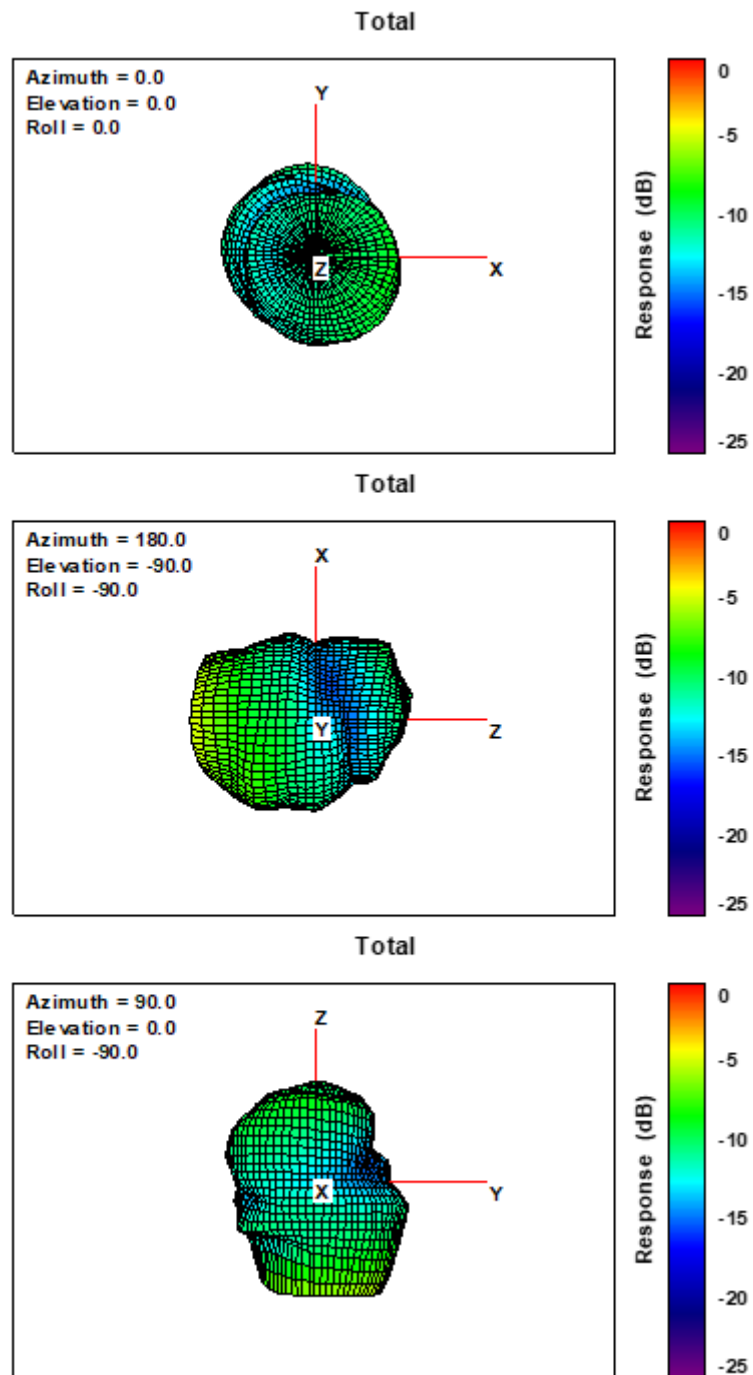
Sample	2.402 GHz (dB)	2.441 GHz (dB)	2.480 GHz (dB)
1	-13.04	-12.95	-7.48
2	-9.78	-15.15	-6.36
3	-7.79	-28.70	-7.46

5. Antenna Gain Result

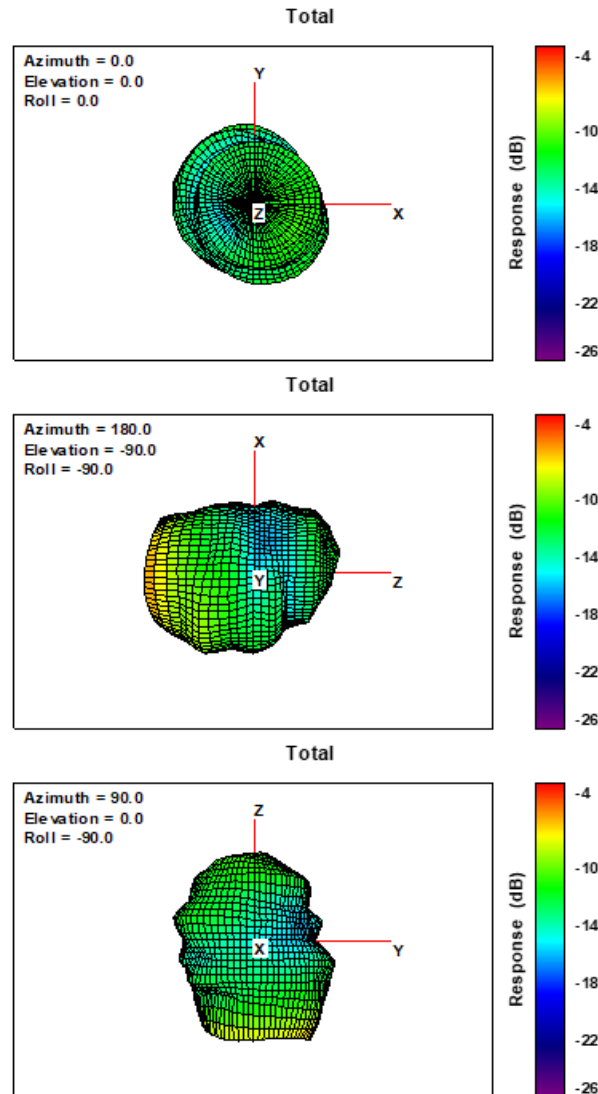
2402MHz



2426MHz



2480MHz



Model	<i>Salutica_Ant#016_3D_Gain_FS_2401-2480MHz</i>		
Test / Position	<i>3D Gain / Free Space</i>		
Frequency	2402	2426	2480
Ant. Port Input Pwr. (dBm)	0.00	0.00	0.00
Tot. Rad. Pwr. (dBm)	-9.54	-10.26	-11.82
Peak EIRP (dBm)	-3.57	-4.31	-5.91
Directivity (dBi)	5.96	5.95	5.91
Efficiency (dB)	-9.54	-10.26	-11.82
Efficiency (%)	11.12	9.42	6.58
Gain (dBi)	-3.57	-4.31	-5.91