Wistron NeWeb Corp.

Cisco CM66 Antenna Test Report in ETS Chamber

2021/10/28

Provided by Chikang Su

Antenna Type and Placement

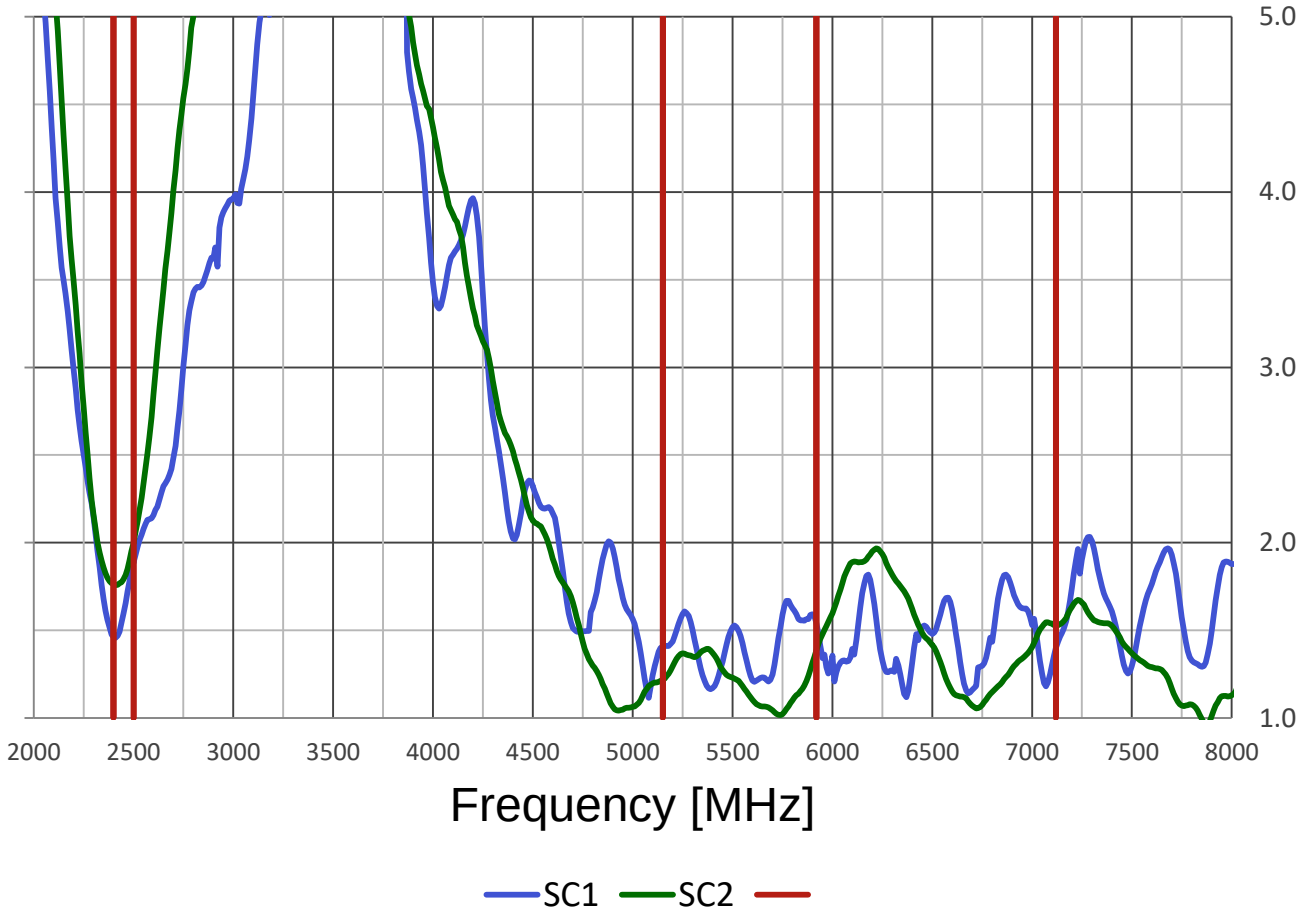
Frequency combination		ANT Type	Polarization
Scanning (2/5/6G)	2.4~2.5GHz 5.15~7.125GHz	PIFA (30 x 20 x 8.0 mm)	Mixed
BLE	2.4GHz	PIFA (30 x 14 x 8.6 mm)	Mixed

Scanning

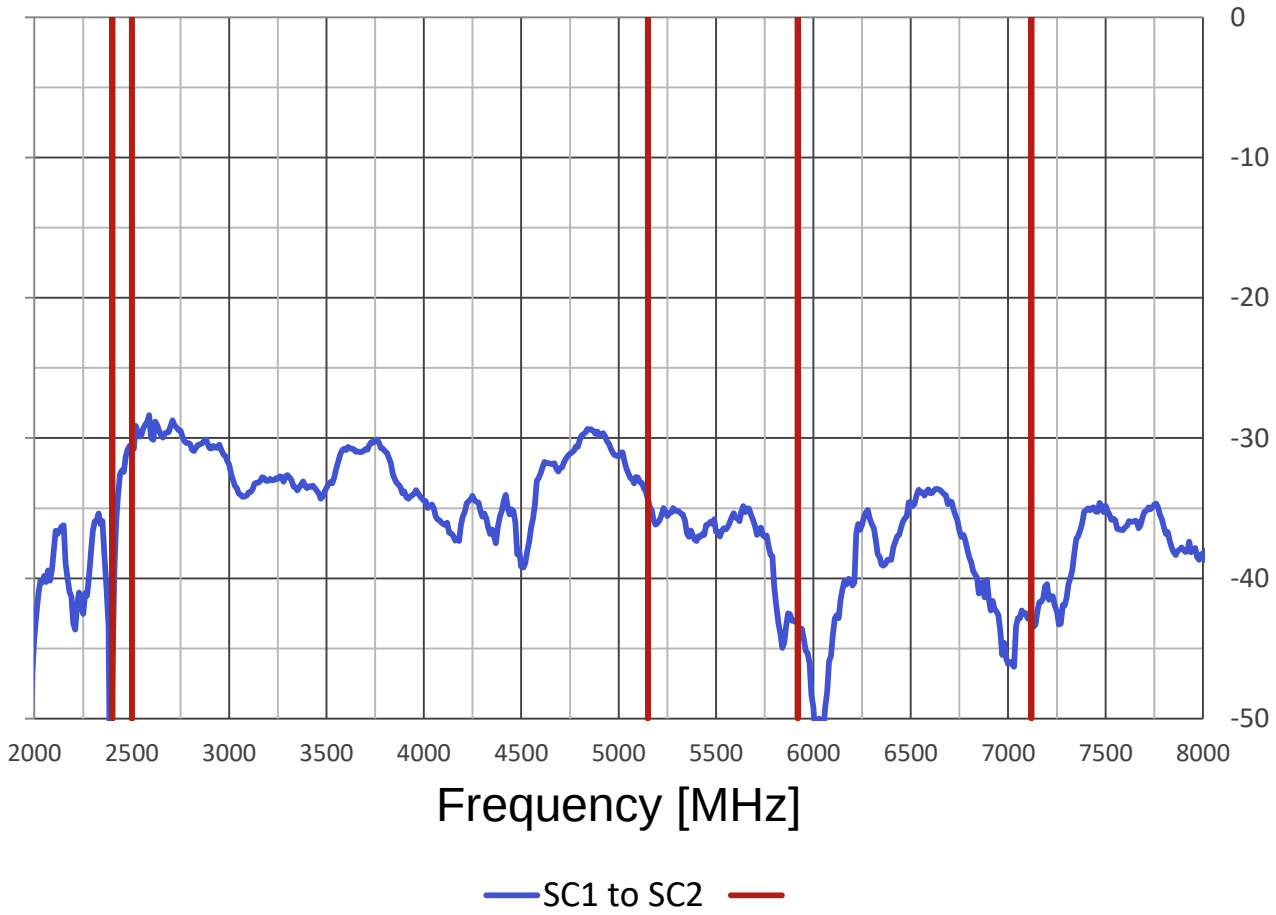
- **Maximum VSWR**
  - 2.0:1 on 2.4GHz / 1.6:1 on 5GHz / 2.0:1 on 6GHz
- **Minimum Isolation**
  - 30.8dB on 2.4GHz / 34.8dB on 5_6GHz/ 36.8dB on 6GHz
- **Average Efficiency**
  - ~62% on 2.4GHz / ~58% on 5GHz / ~58% on 6GHz
- **Peak Gain**
  - 3.3dBi on 2.4GHz / 4.0dBi on 5GHz / 5.3dBi on 6GHz

☐ Normal ☐ Internal Use

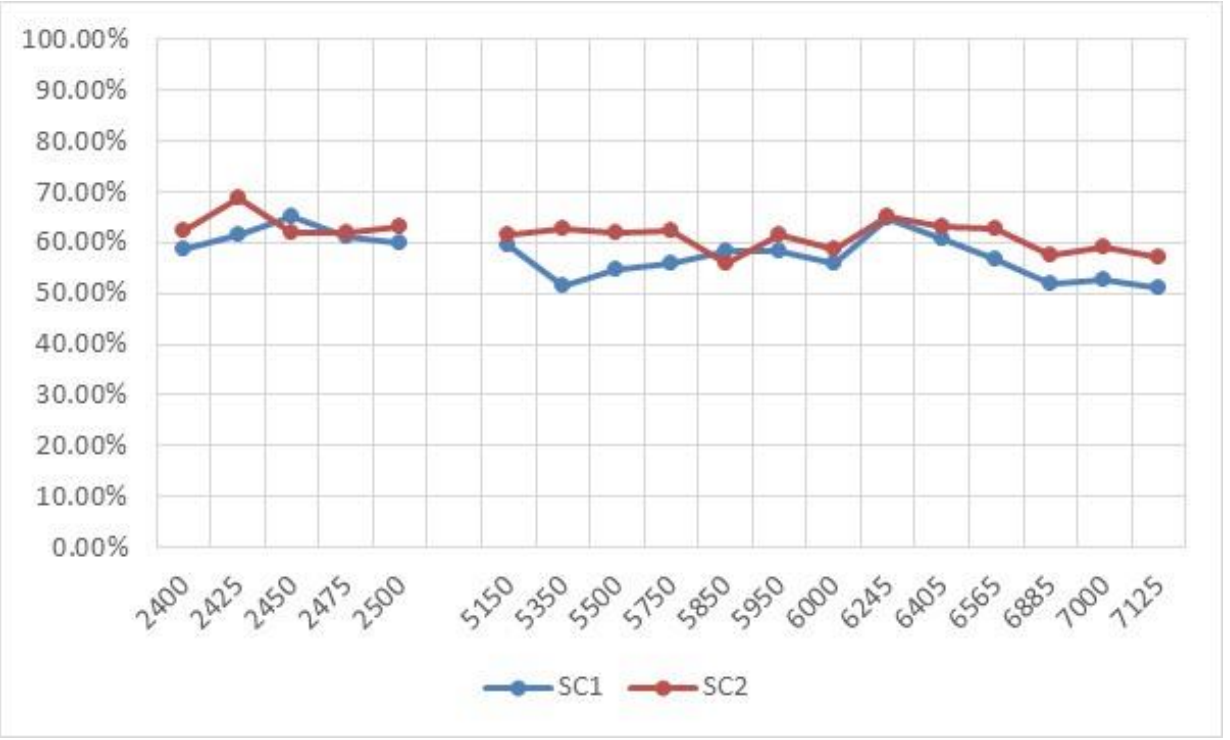
VSWR Scanning



Isolation Scanning



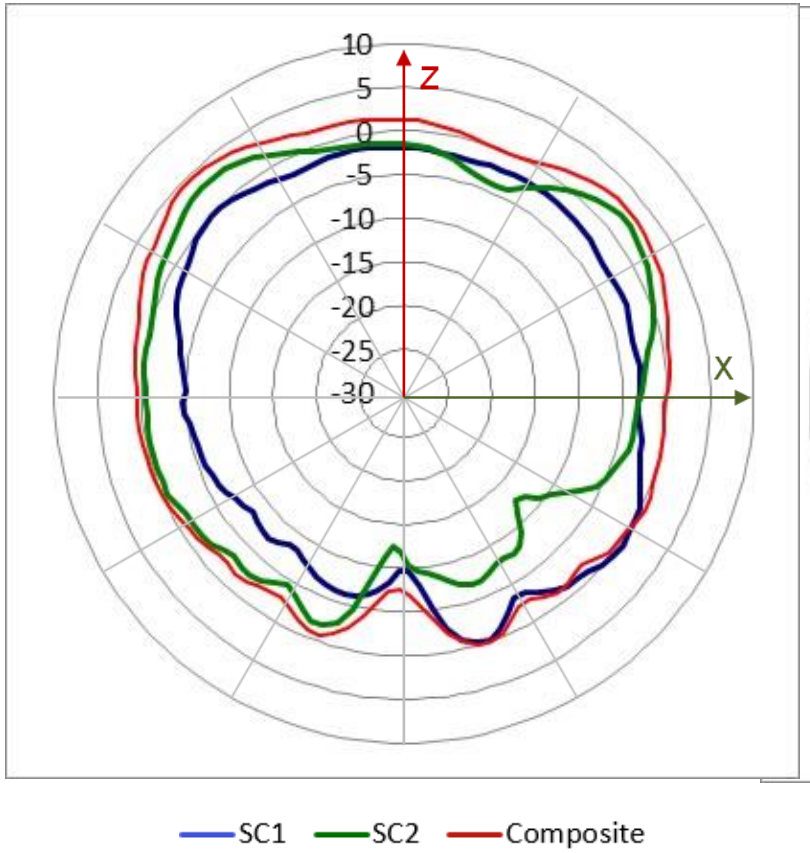
Efficiency Scanning



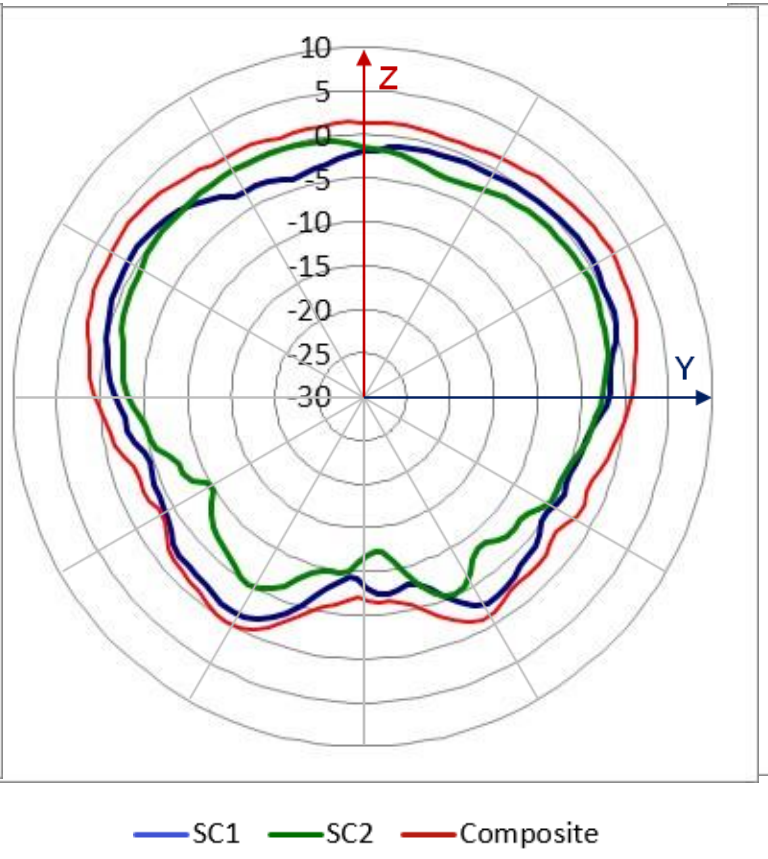
Peak Gain Scanning

Realized Gain Pattern Scanning @2450MHz

phi = 0



phi = 90



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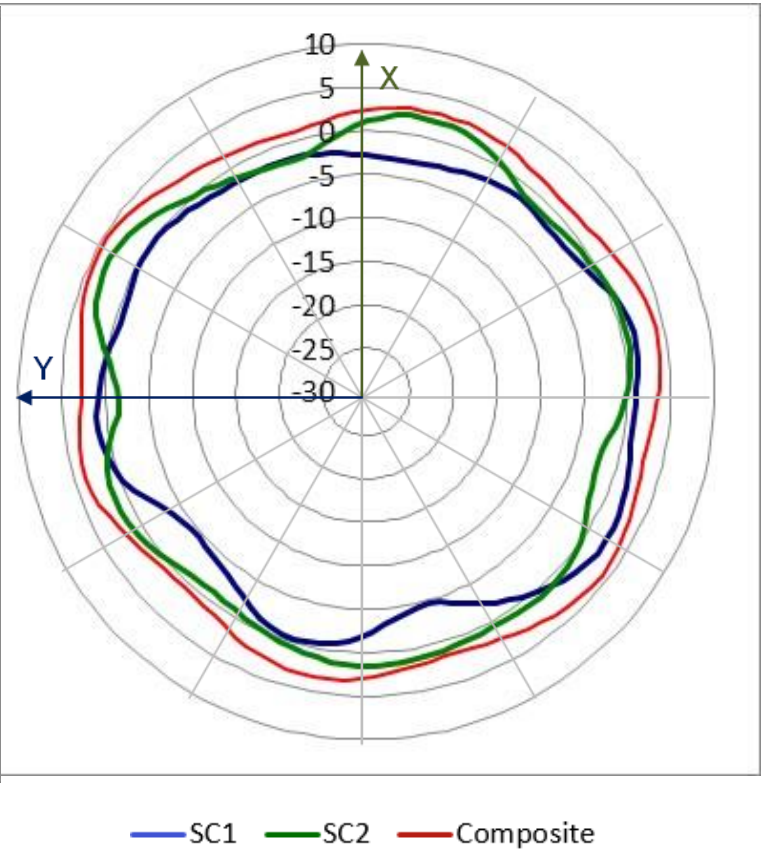
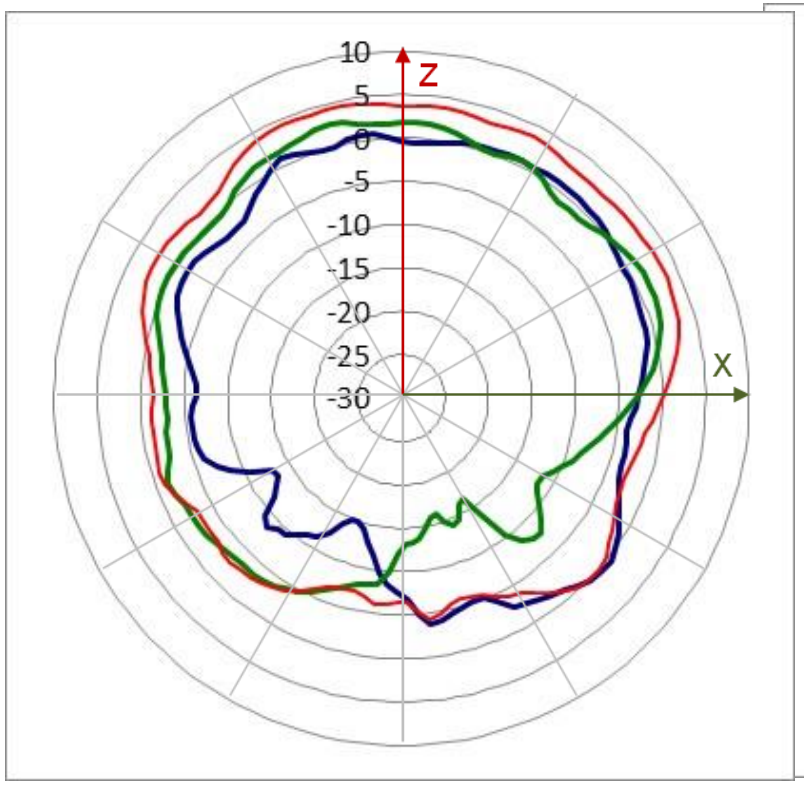
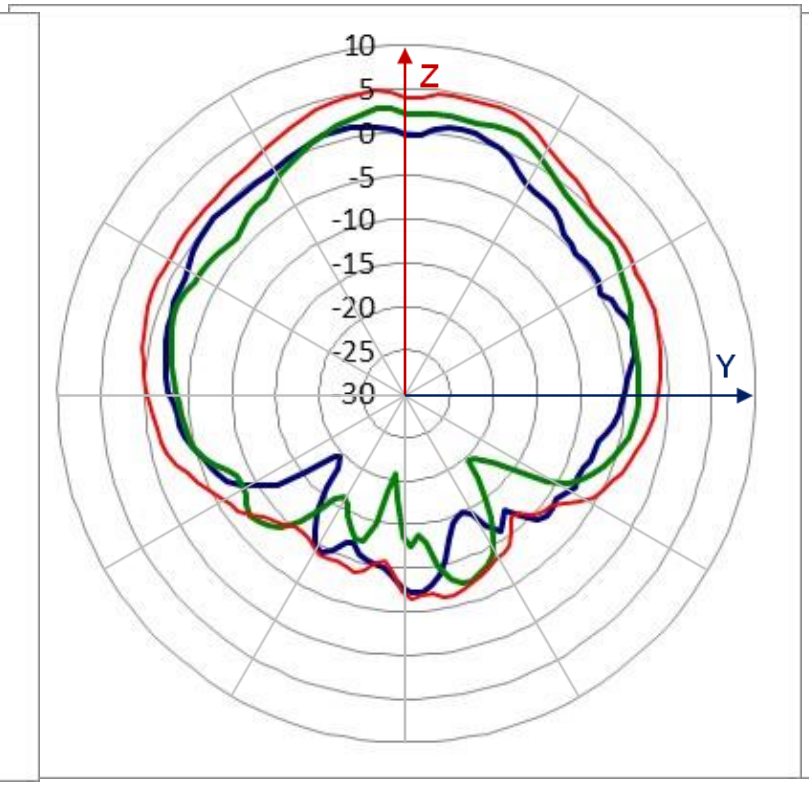


Realized Gain Pattern Scanning @5500MHz

phi = 0



phi = 90



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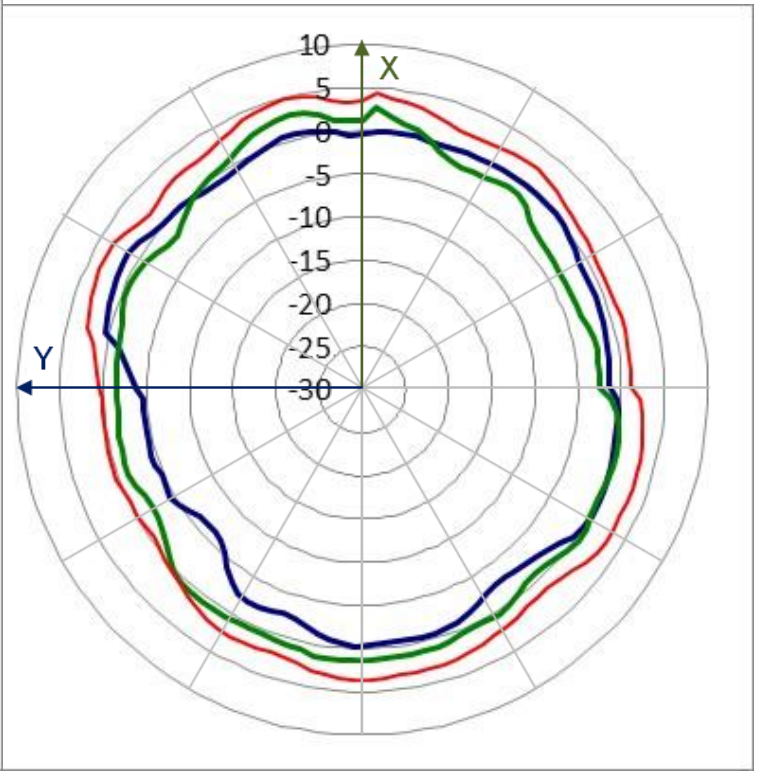
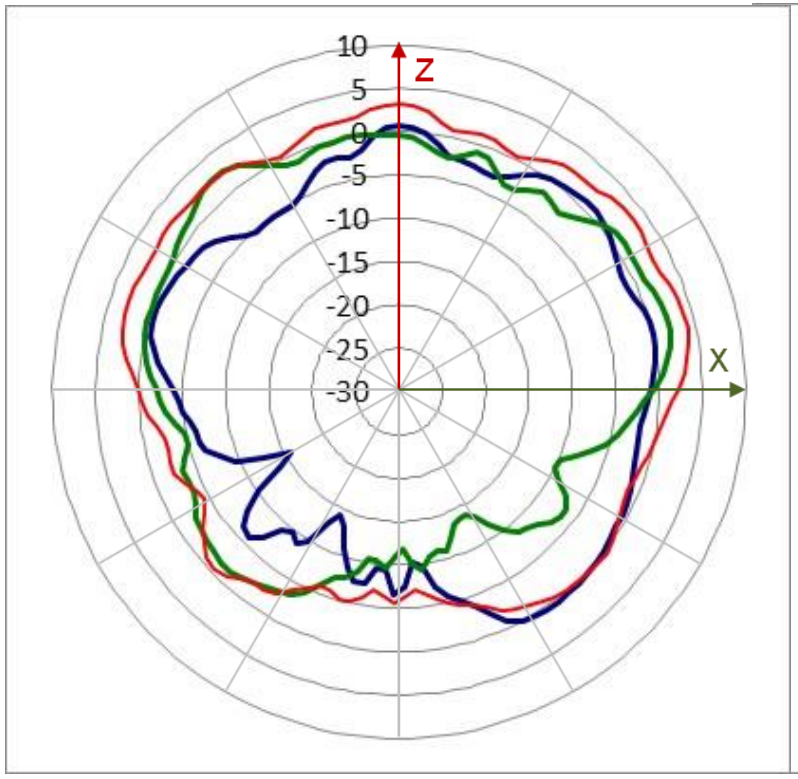


Realized Gain Pattern Scanning Realized Gain Pattern @6565MHz

phi = 0



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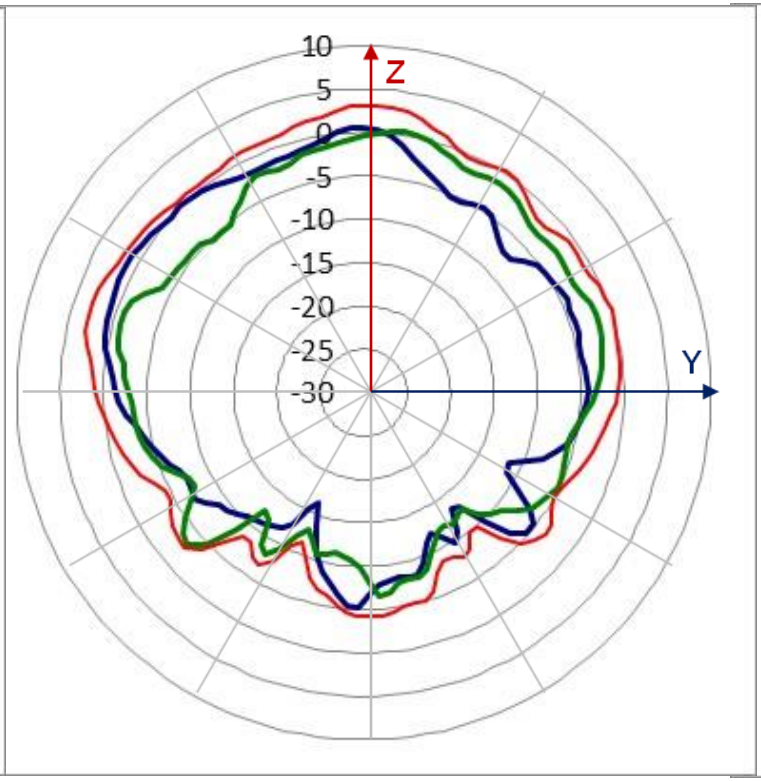

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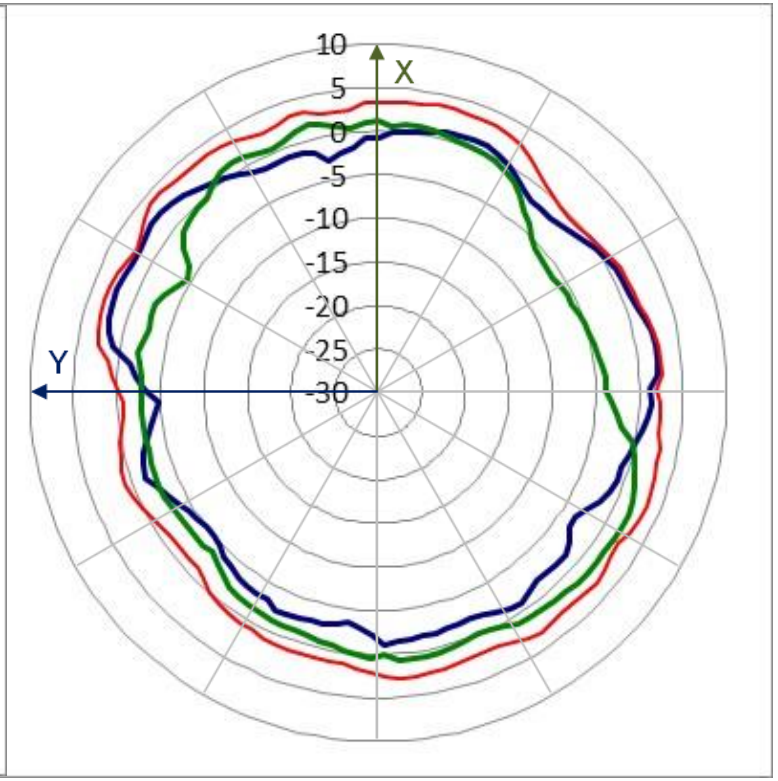
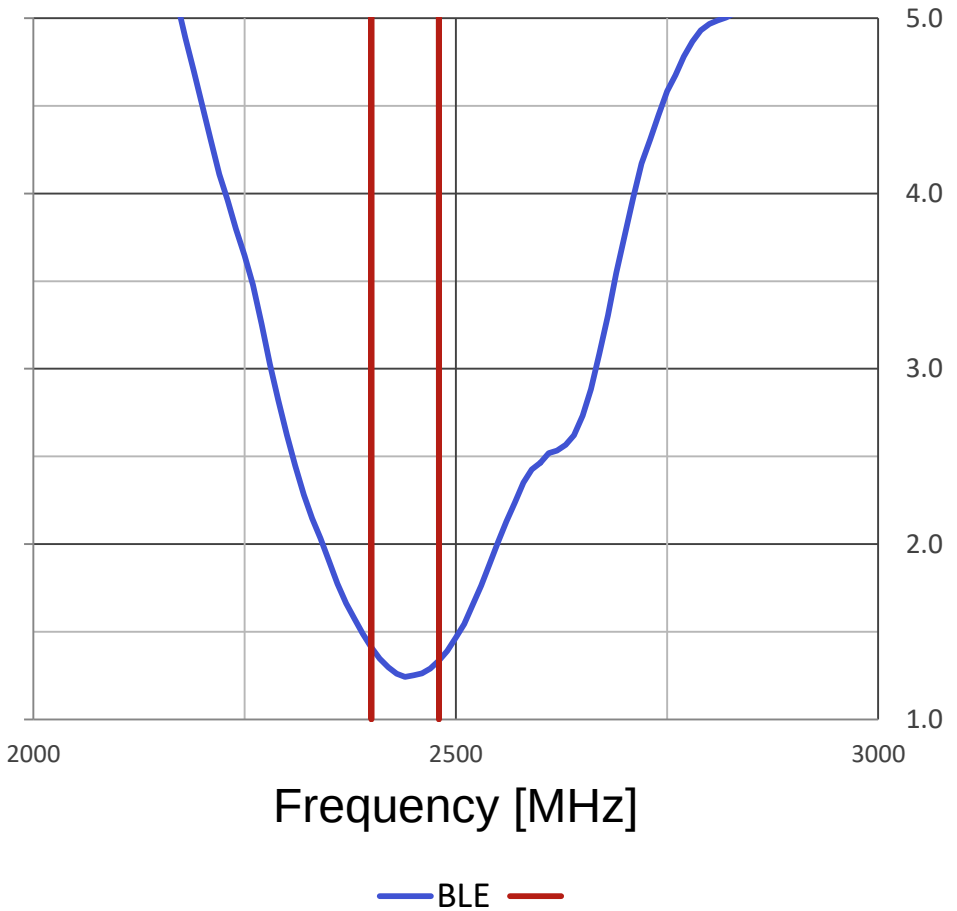


BLE

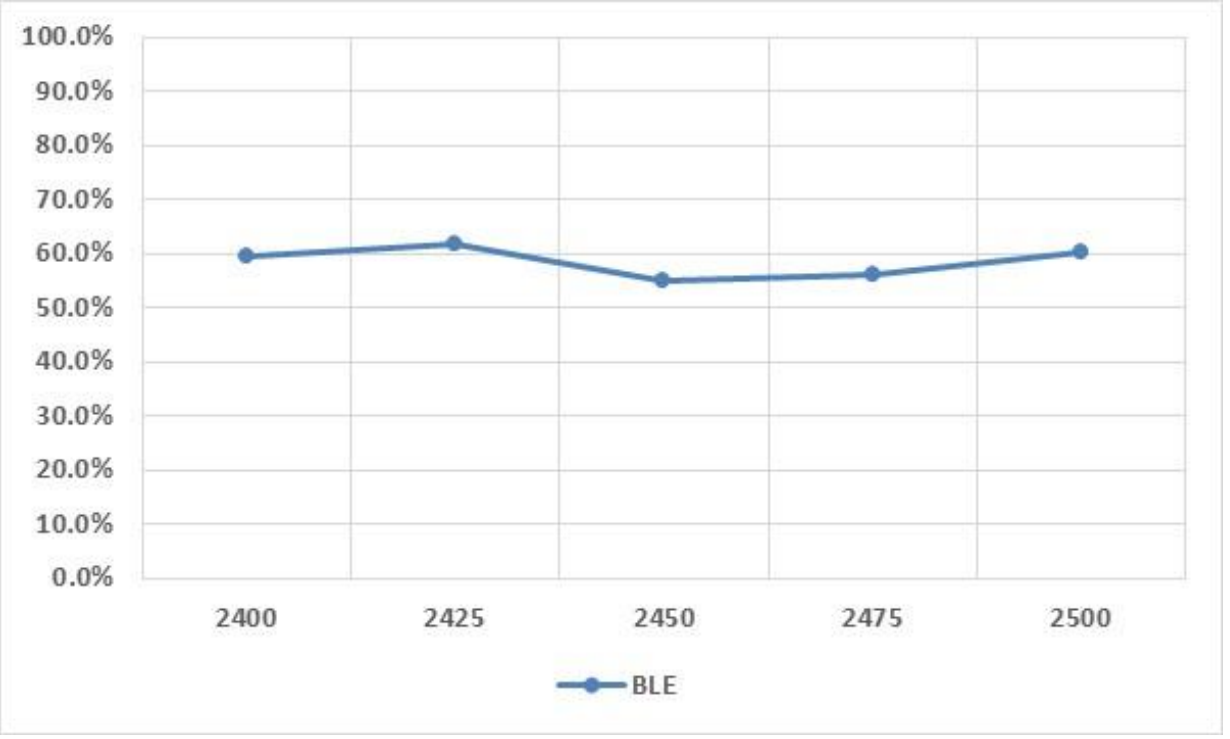
- **Maximum VSWR**
  - 1.5:1 on 2.4GHz
- **Average Efficiency**
  - ~58% on 2.4GHz
- **Peak Gain**
  - 3.8dBi on 2.4GHz

☐ Normal ☐ Internal Use

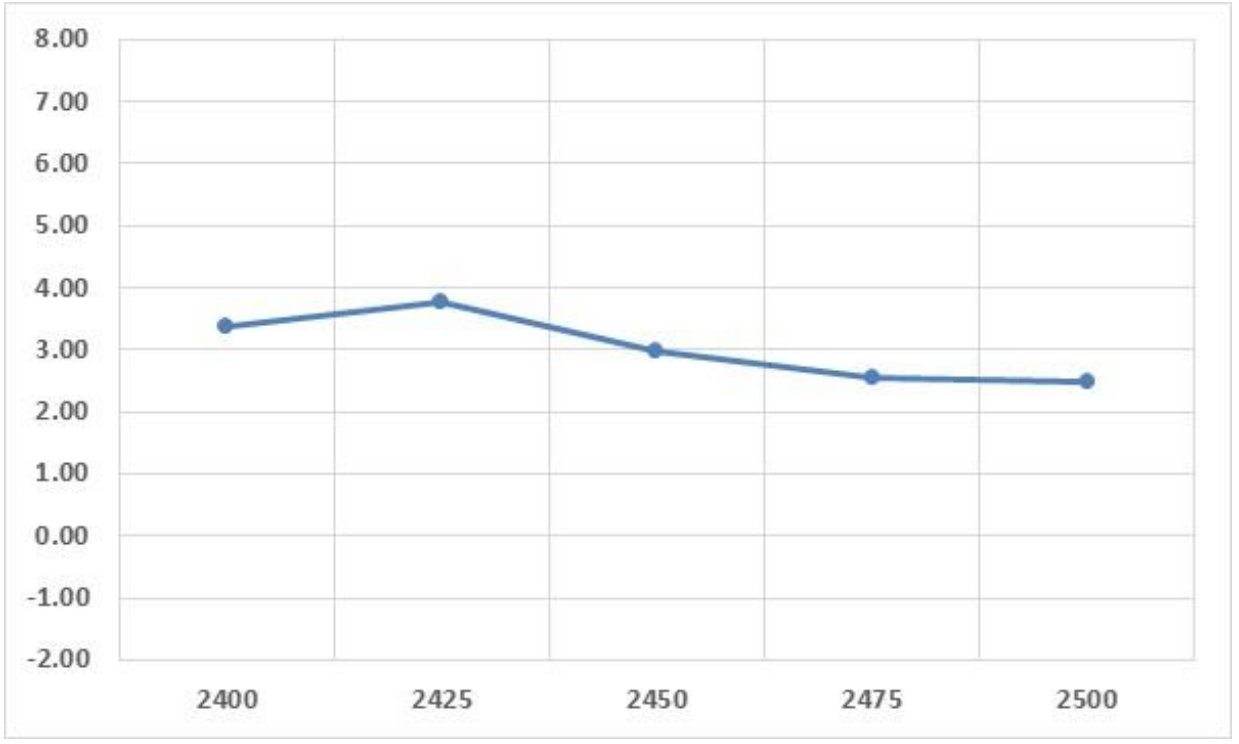
VSWR BLE



Efficiency BLE



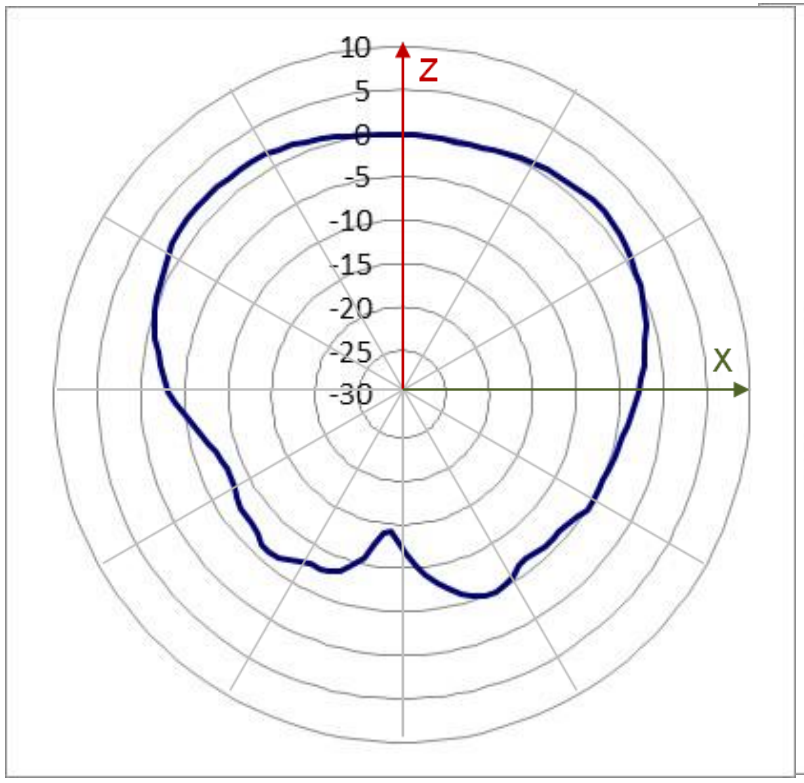
Peak Gain BLE



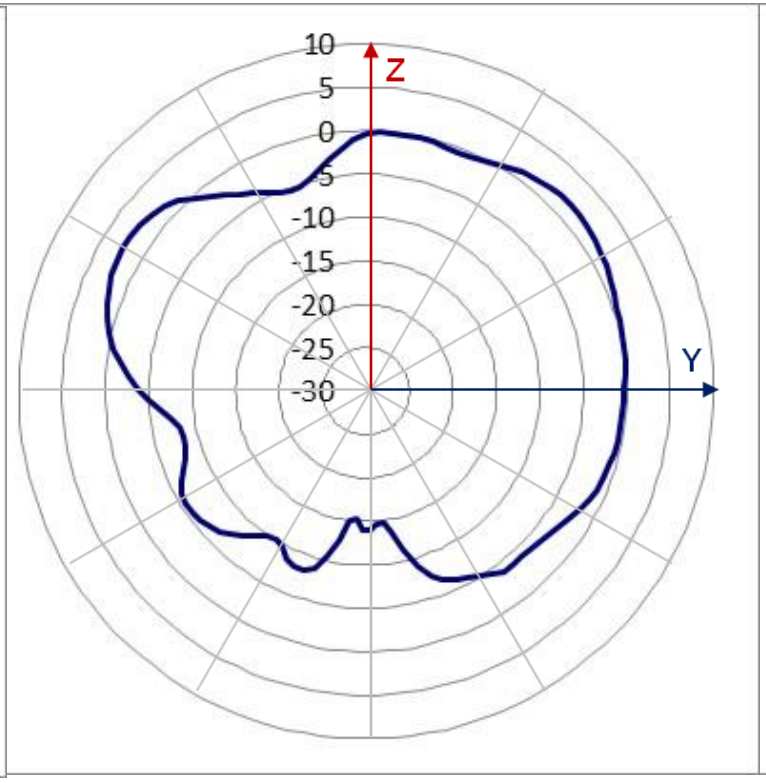
Realized Gain Pattern

BLE Realized Gain Pattern @2450MHz

phi = 0



phi = 90



theta = 60