

Koala Antenna SPECIFICATION

Antenna Manufacturer Name	Wistron
Address	Wistron Corporation (Xizhi office) 21F, NO,88, Sec.1 Xintai 5th Rd., Xizhi Dist.
P/N:	160.07B01.0041
Test DATE	2026/07/24
DATASHEET REVISION	V01

Sam SH Yang

Test Engineer: Sam SH Yang

Description of LTE Antenna

Frequency Range	699MHz-2200MHz
Impedance	50 ohm
Antenna type	PIFA
Manufacturing Process	LDS

Antenna Peak Gain:

LTE B2	
MHz	Peak Gain
1850	-4.02
1880	-3.16
1910	-1.87
1920	-1.78
1930	-1.80
1950	-1.68
1960	-1.54
1980	-1.12
1990	-0.97

LTE B12	
MHz	Peak Gain
699	-8.05
703	-8.11
704	-8.00
710	-7.27
716	-6.83
734	-5.91
740	-6.15
746	-6.45

LTE B4 / LTE B66	
MHz	Peak Gain
1710	-5.86
1733	-6.04
1748	-6.74
1755	-7.00
1785	-8.44
2110	-2.39
2133	-1.82
2140	-1.66
2155	-1.24
2170	-0.85
2200	-0.22

Antenna Pattern:

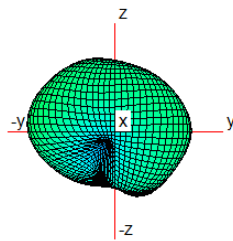
Radiation Pattern:

704MHz

Total

Azimuth: 0
Elevation: 0
Roll: 0

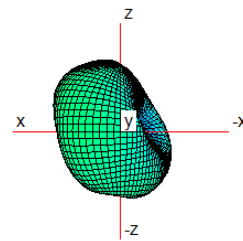
Zoom Scale



Total

Azimuth: 90
Elevation: 0
Roll: 0

Zoom Scale

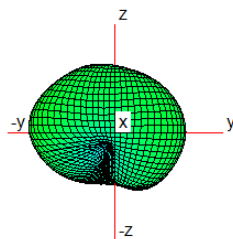


734MHz

Total

Azimuth: 0
Elevation: 0
Roll: 0

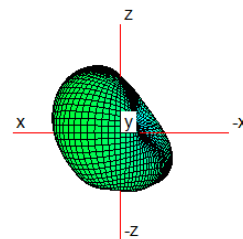
Zoom Scale



Total

Azimuth: 90
Elevation: 0
Roll: 0

Zoom Scale

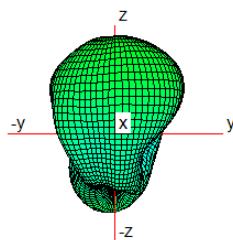


1733MHz

Total

Azimuth: 0
Elevation: 0
Roll: 0

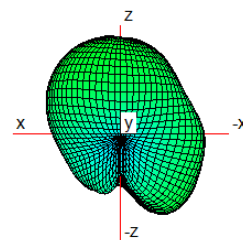
Zoom Scale



Total

Azimuth: 90
Elevation: 0
Roll: 0

Zoom Scale

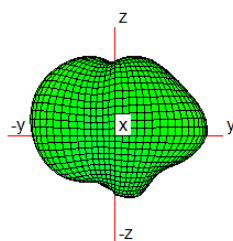


1850MHz

Total

Azimuth: 0
Elevation: 0
Roll: 0

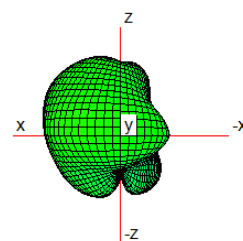
Zoom Scale



Total

Azimuth: 90
Elevation: 0
Roll: 0

Zoom Scale

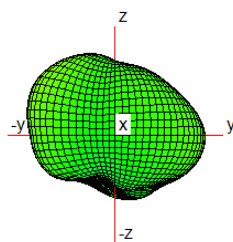


1980MHz

Total

Azimuth: 0
Elevation: 0
Roll: 0

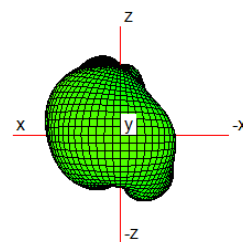
Zoom Scale



Total

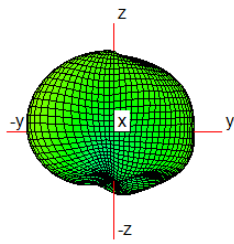
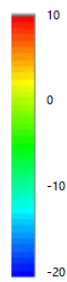
Azimuth: 90
Elevation: 0
Roll: 0

Zoom Scale

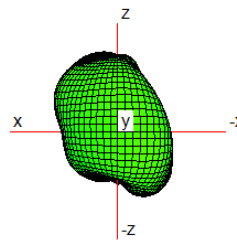
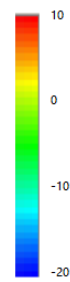


2155MHz

Total
Azimuth: 0
Elevation: 0
Roll: 0
Zoom Scale



Total
Azimuth: 90
Elevation: 0
Roll: 0
Zoom Scale



Description of BLE Antenna

Frequency Range	2402MHz-2482MHz
Impedance	50 ohm
Antenna type	Coupling
Manufacturing Process	LDS

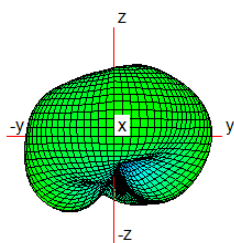
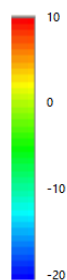
Antenna Peak Gain:

BLE	
MHz	Peak Gain
2400	-4.67
2410	-4.02
2420	-3.61
2430	-3.05
2440	-2.66
2450	-2.22
2460	-1.83
2470	-1.58
2480	-1.24
2490	-1.19
2500	-0.99

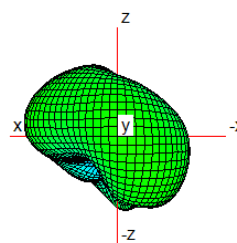
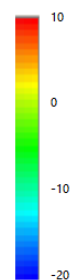
Radiation Pattern:

2410MHz

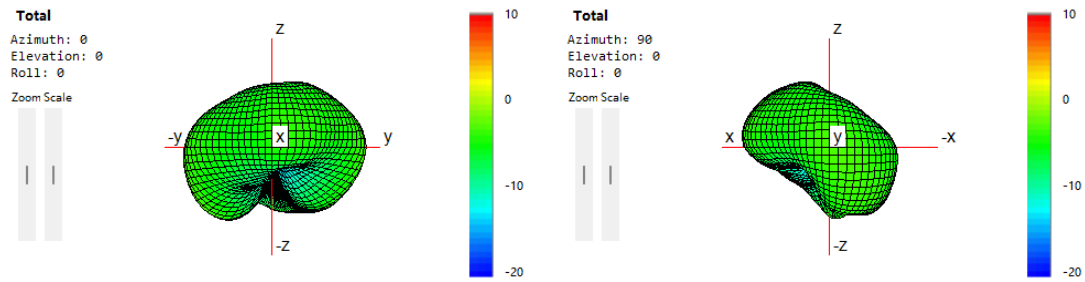
Total
Azimuth: 0
Elevation: 0
Roll: 0
Zoom Scale



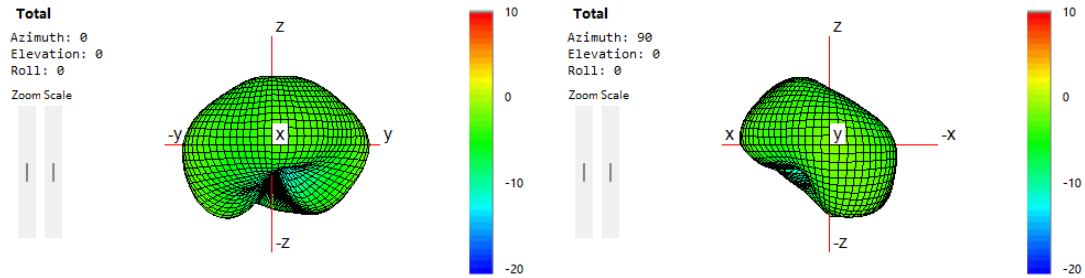
Total
Azimuth: 90
Elevation: 0
Roll: 0
Zoom Scale



2440MHz



2480MHz



Antenna Location

Test Environment, list of calibrated test equipment

Test Equipment:

Site Description	Chamber Manufacturer	Type
Wistron	Rayzone 2800	Fully Anechoic
Software Version	V1.3.3	
Site location	3F., No. 100, Sec. 1, Xintai 5th Rd, Xizhi District, New Taipei City, Taiwan	
Test Engineer	Sam SH Yang	
Test Date	2026/07/24	

Equipment Description	Manufacturer	Model	Calibration Date	Due Date
Network Analyzer	KEYSIGHT	E5071C	2025.08.10	2026.09.10