

Original Design Chip Antenna Data Sheet

- P/N : SDBTPTR3015 -

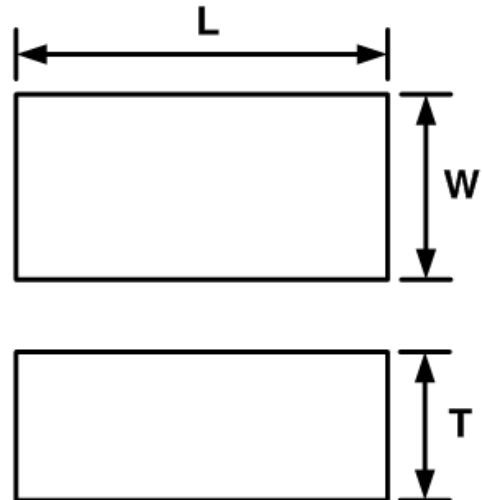
| - Application Frequency | |
|--------------------------------|--|
| | Band[MHz] |
| Bluetooth | 2400 ~ 2485 |
| WiFi / Zigbee | 2400 ~ 2485 |
| S-DMB | 2630 ~ 2655 |
| Wibro | 2300 ~ 2390 band1 : 2300 ~ 2327 band2 : 2331.5 ~ 2358.5 band3 : 2363 ~ 2390 |

Dielectric Chip Antenna

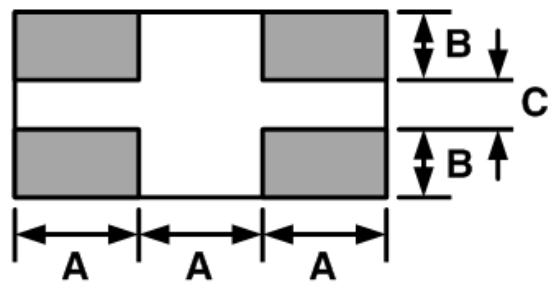


■ SDBTPTR3015 Dimension

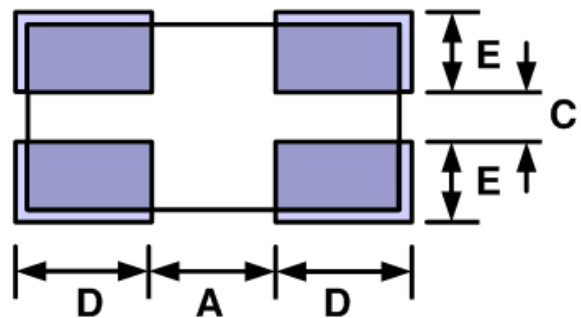
Chip Antenna Dimension



Chip Antenna
Soldering Pad Dimension



PCB
Soldering Land Dimension

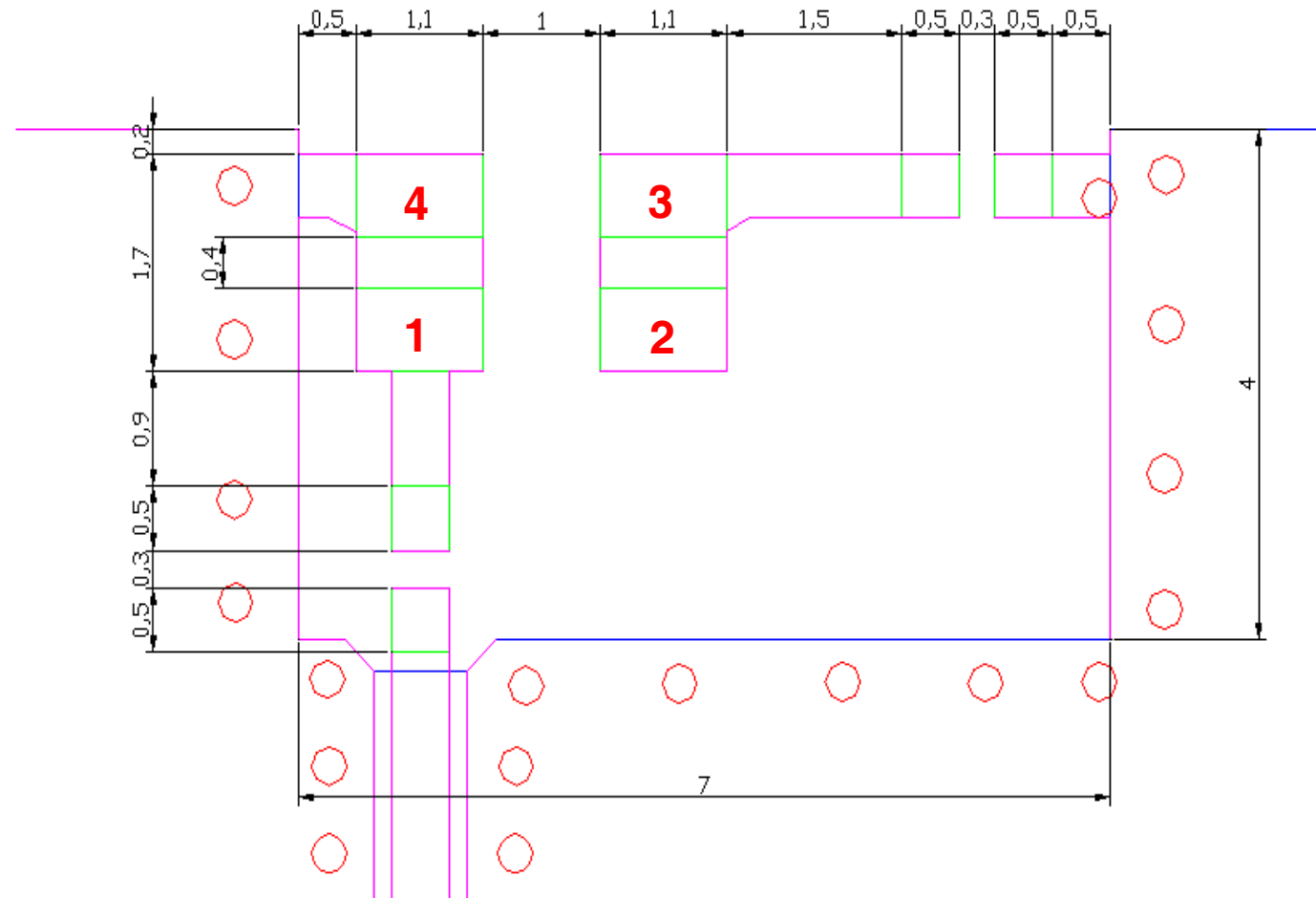


| Parameter | L | W | T | A | B | C | D | E |
|-----------|--------------|--------------|--------------|-----|------|-----|-----|------|
| Value[mm] | 3.0 ± 0.1 | 1.5 ± 0.1 | 1.2 ± 0.1 | 1.0 | 0.55 | 0.4 | 1.1 | 0.65 |

Unless Specified tolerances are ± 0.05 mm

Dielectric Chip Antenna

■ AutoCAD Drawing of Reference PCB Design for SDBTPTR3015 Product



Dielectric Chip Antenna



PCB Drawing

| | | | |
|-------------|----------------------|--|----------------------|
| Top View | Case #1 <Default> | | |
| | Case #2 | | |
| | Case #3 | | |
| | Case #4 | | |
| Bottom View | | | <Equivalent Circuit> |

Dielectric Chip Antenna



■ Matching Value

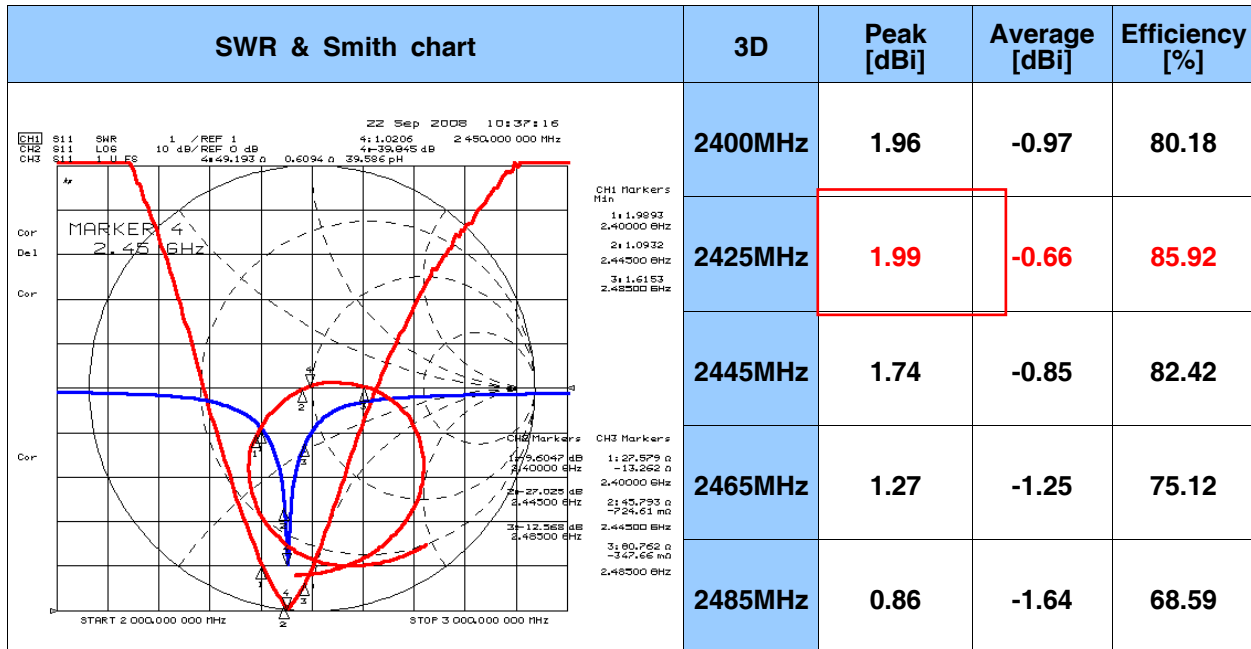
| Band (MHz) | Matching Value (Default) |
|--|--------------------------|
| Bluetooth / WiFi / Zigbee (2400 ~ 2485) | |
| S-DMB (2630 ~ 2655) | |
| Wibro (2300 ~ 2390) band1:2300~2327 band2:2331.5~2358.5 band3:2363~2390 | |

Dielectric Chip Antenna

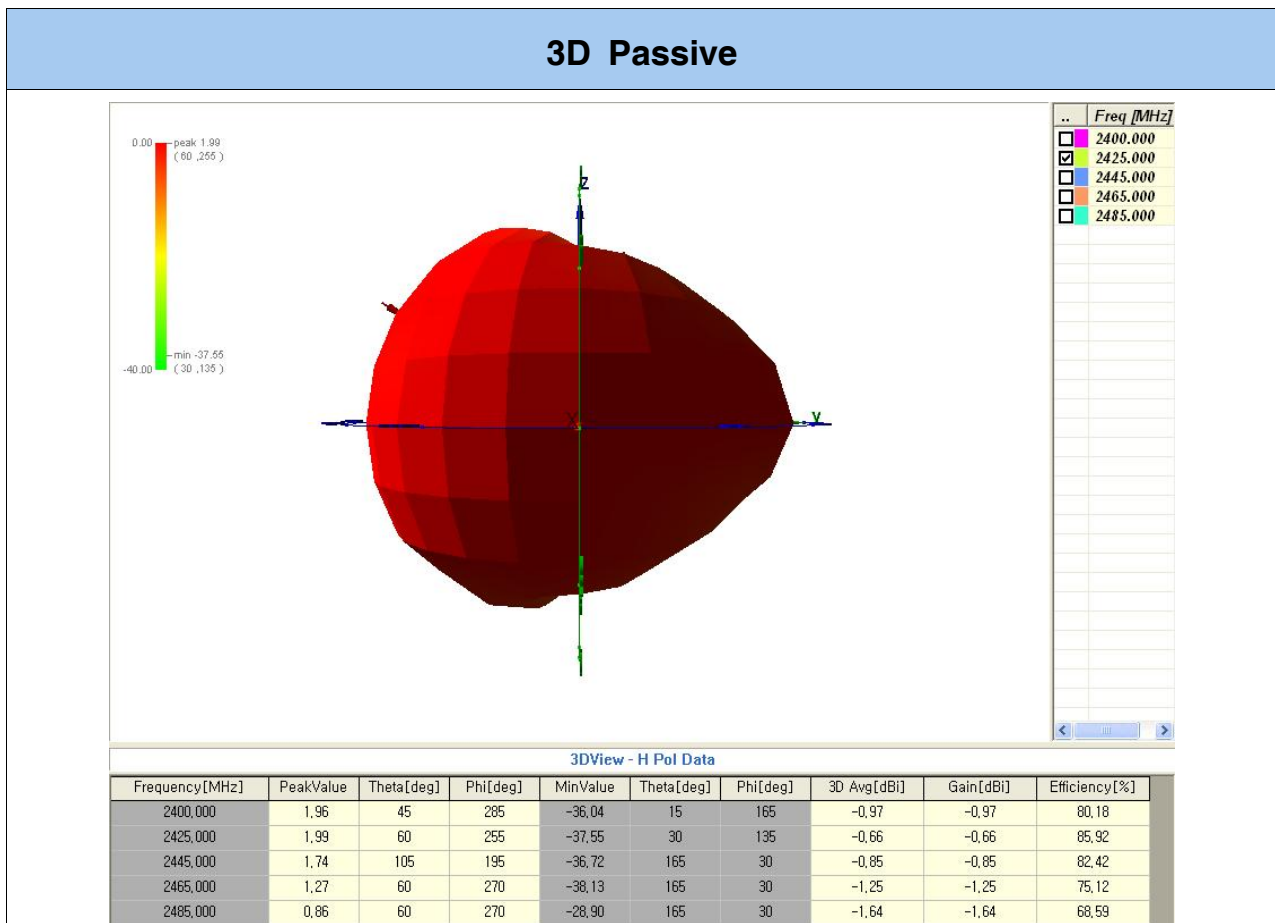


- 3D Passive Gain For Bluetooth / WiFi / Zigbee

Test Result for Ver 0.0



Radiation Pattern Ver 0.0

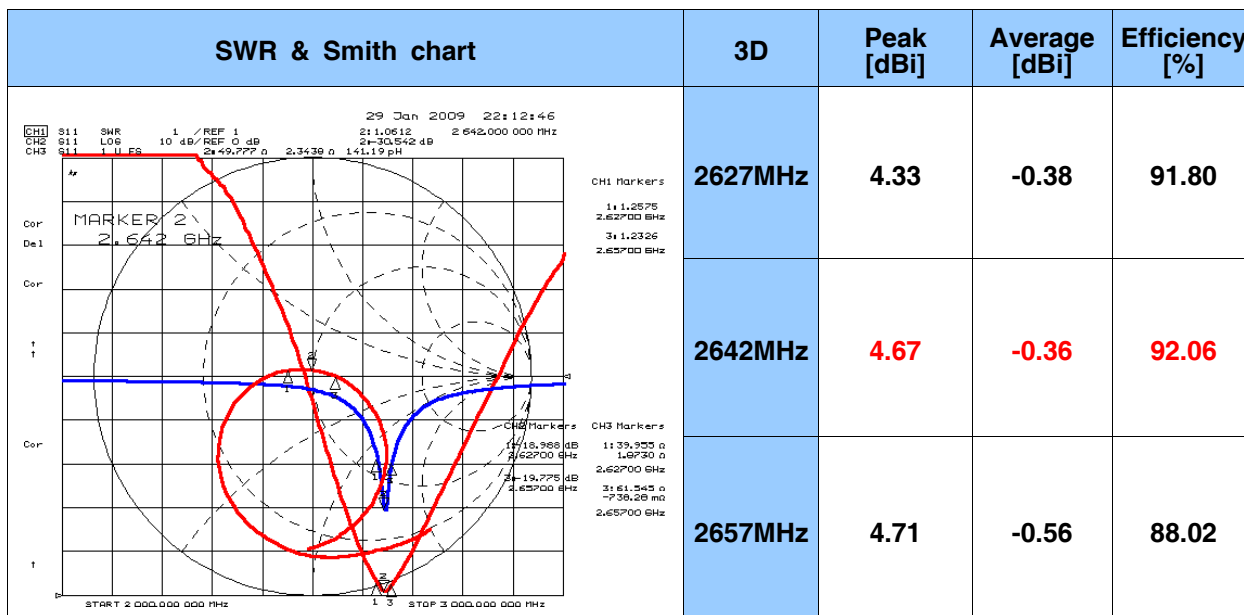


Dielectric Chip Antenna

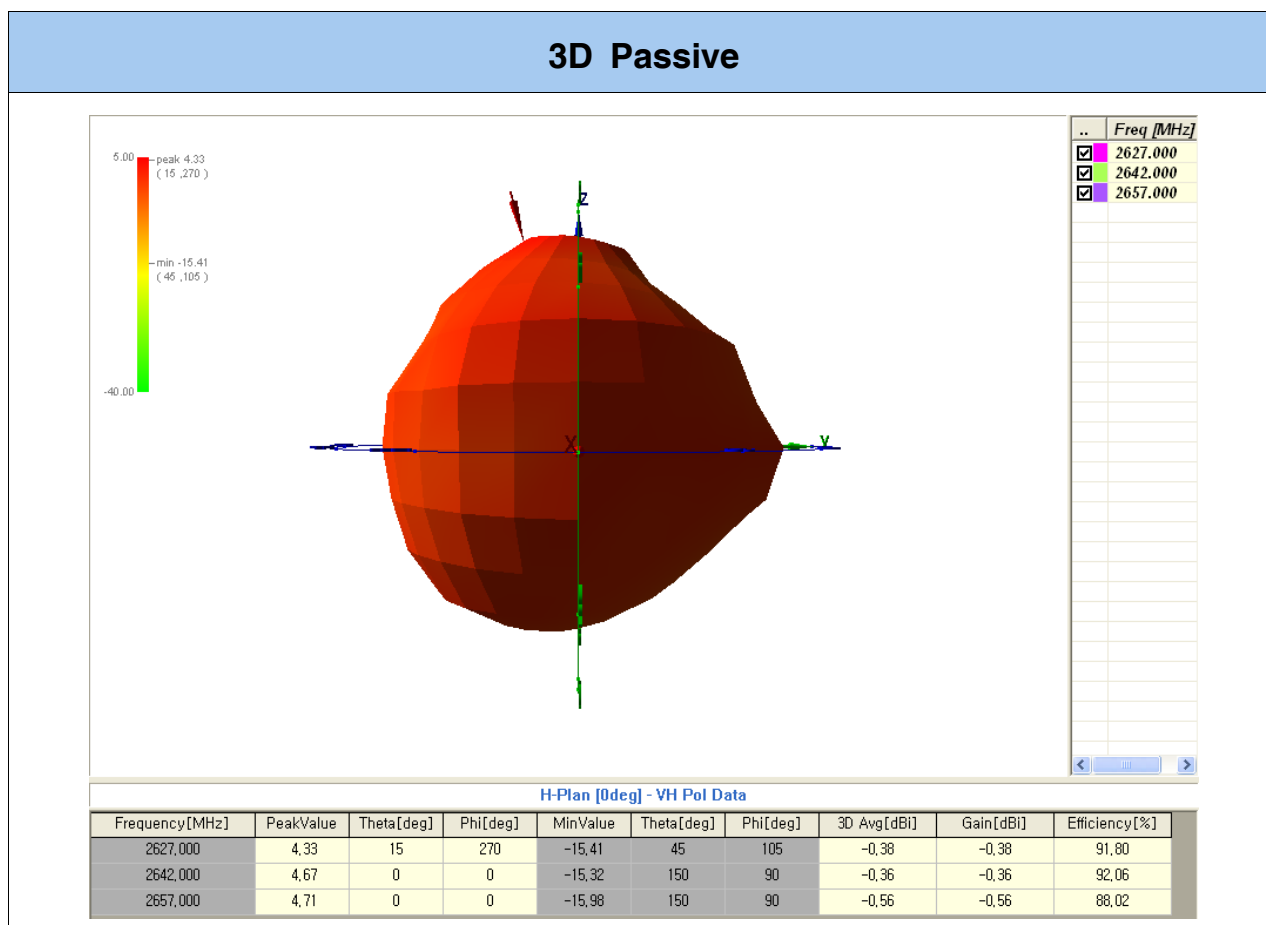


- 3D Passive Gain For S-DMB

Test Result for Ver 0.0



Radiation Pattern Ver 0.0

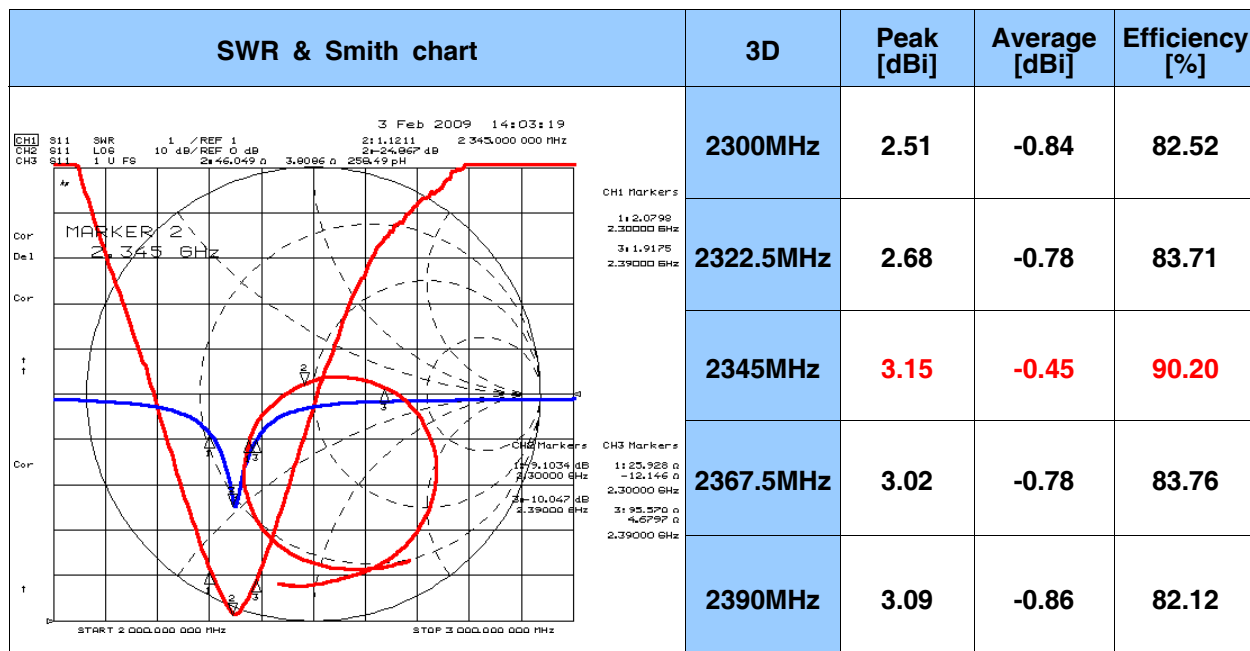


Dielectric Chip Antenna



- 3D Passive Gain For Wibro

■ Test Result for Ver 0.0



■ Radiation Pattern Ver 0.0

