

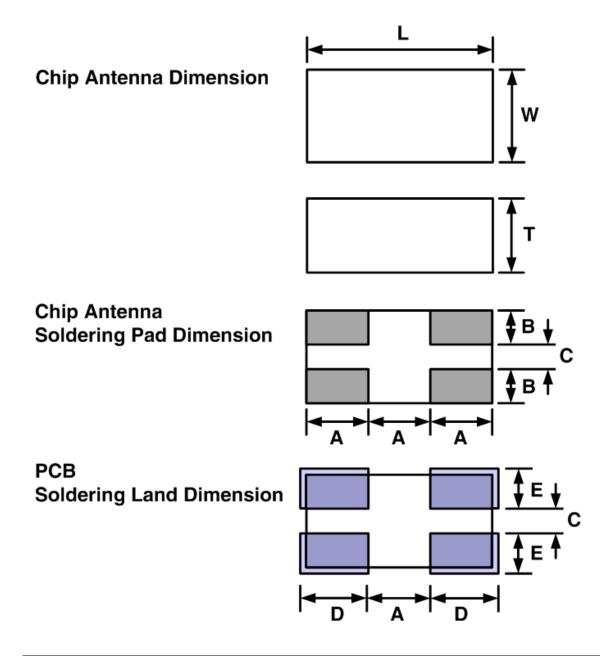
Original Design Chip Antenna Data Sheet

- P/N: SDBTPTR3015 -

- Application Frequency					
	Band[MHz]				
Bluetooth / WiFi / Zigbee	2400 ~ 2485				
S-DMB	2630 ~ 2655				
Wibro	2300 ~ 2390 band1 : 2300 ~ 2327 band2 : 2331.5 ~ 2358.5 bnad3 : 2363 ~ 2390				



■ SDBTPTR3015 Dimension



Parameter	L	w	Т	Α	В	С	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

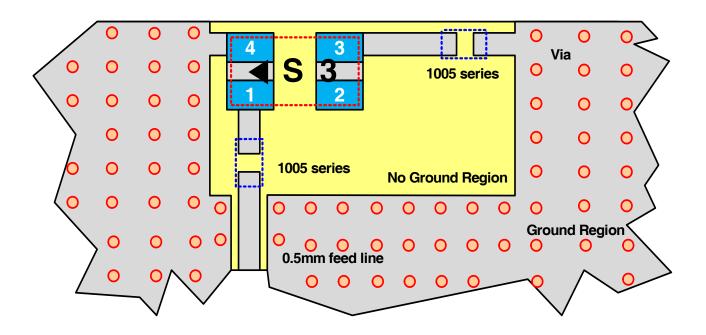


■ Antenna Marking System



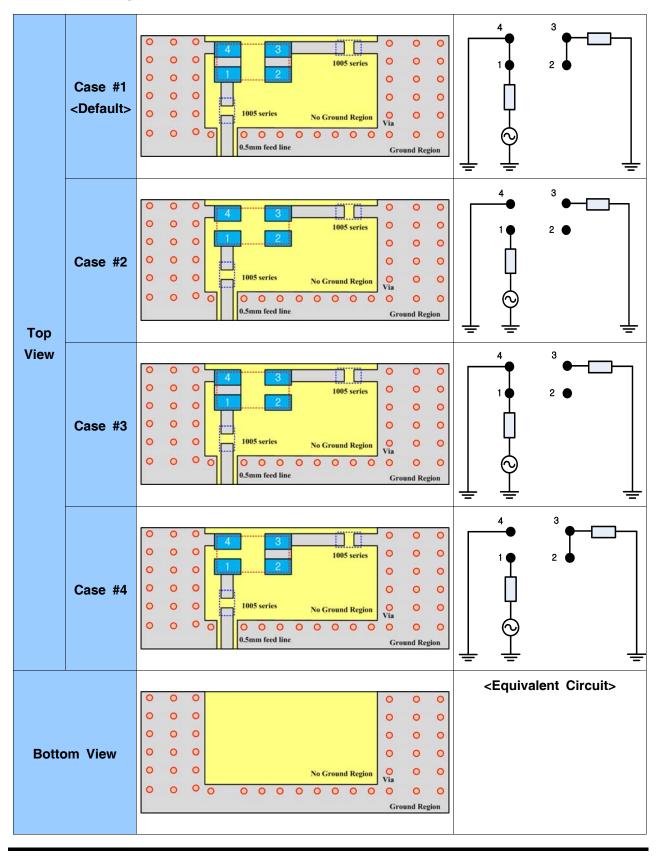
ITEM	DESCRIPTION								
① Input Signal	Input Signal								
② Serial	SDBTPTR3015								
	1	2	3	4	5	6			
③ Month	January	February	March	April	May	June			
	7	8	9	Α	В	С			
	July	August	September	October	November	December			
		1	1		1	1			

■ Antenna PAD Information



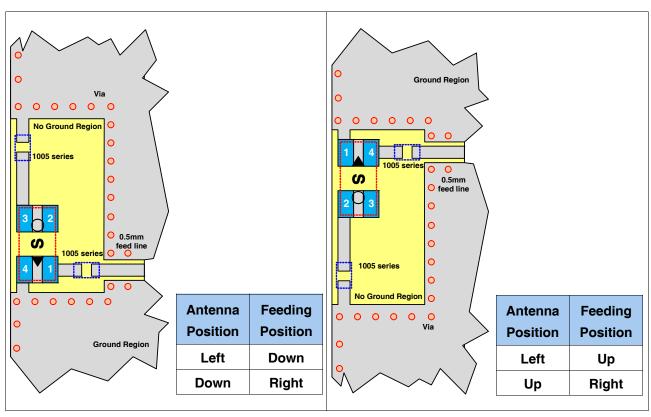


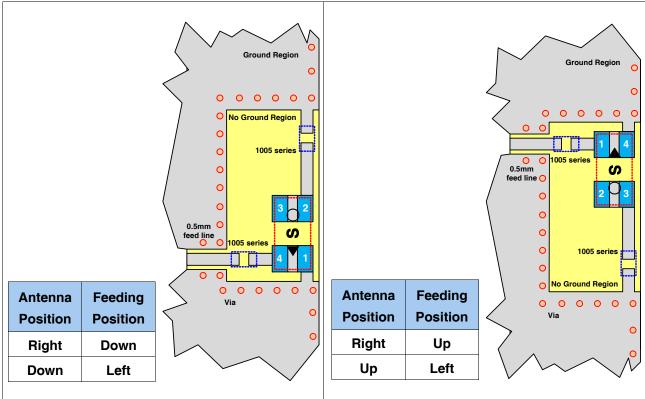
■ PCB Drawing





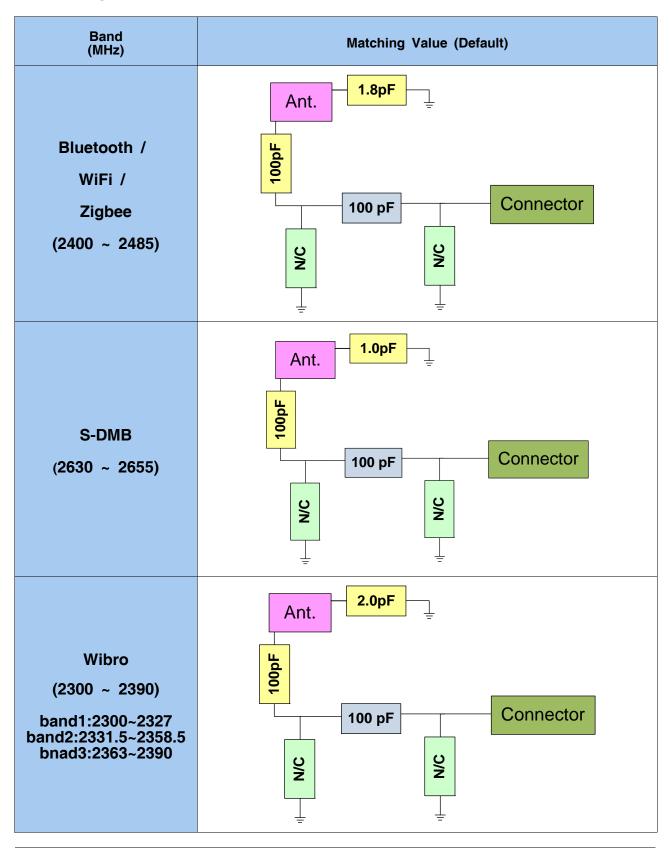
■ Change of Antenna Position







■ Matching Value

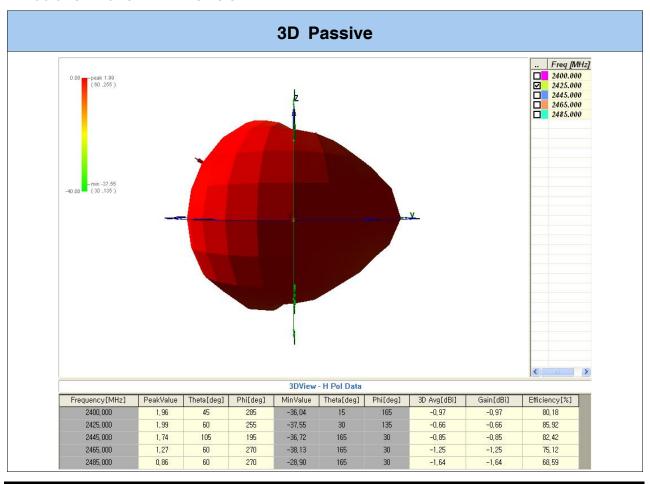




- 3D Passive Gain For Bluetooth / WiFi / Zigbee
- Test Result for Ver 0.0

SWR & Smith chart	3D	Peak [dBi]	Average [dBi]	Efficiency [%]
ZZ Sep Z008 10:37:16 [OH] Sii SMR 1 / REF 1	2400MHz	1.96	-0.97	80.18
Cor MARKER 4 1 1.1.993 2.40000 BHz 2.1.0932 2.44500 BHz Cor 5.45 GHz 2 1.0932 2.45500 BHz 5.45500 BHz	2425MHz	1.99	-0.66	85.92
	2445MHz	1.74	-0.85	82.42
Cor CHi/Markers CH3 Markers (M-6,6047 dB 1:22,759 a 14,0000 GHz 1:32,879 a 2,40000 GHz 2:40000 GHz 2:40000 GHz 3:44500 GHz 2:44500 GHz 3:42500 GHz 3:42500 GHz 2:44500 GHz 3:42500 GHz 3:42500 GHz 3:45500 GHz 3:4	2465MHz	1.27	-1.25	75.12
3: 00.762 a -347.66 m -2.48500 BHz	2485MHz	0.86	-1.64	68.59

■ Radiation Pattern Ver 0.0

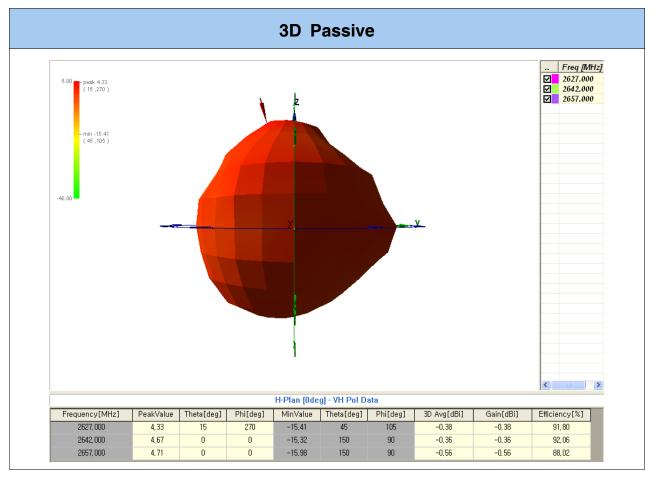




- 3D Passive Gain For S-DMB
- Test Result for Ver 0.0

SWR & Smith chart	3D	Peak [dBi]	Average [dBi]	Efficiency [%]
29 Jan 2009 22:12:46 (HI 311 SHR 1 FREF 1 db 2:10.0512 2:42.000 000 PHz (HI 311 LOG 1 1 LOG 2:44.777 n 2:3439 n 141.19pH CHI 311 CHI	2627MHz	4.33	-0.38	91.80
Cor	2642MHz	4.67	-0.36	92.06
## 13 370 a 13 33 370 a 2.65700 GHz 1 33 370 a 2.65700 GHz 1 33 370 a 2.65700 GHz 1 3 3 370 a 300 000 000 HHz	2657MHz	4.71	-0.56	88.02

■ Radiation Pattern Ver 0.0

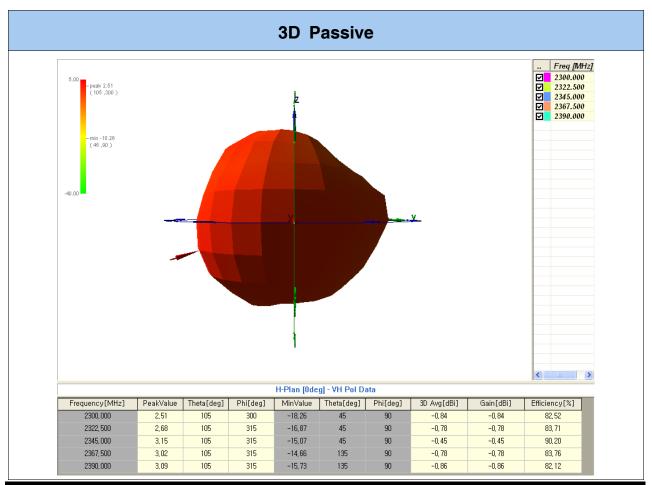




- 3D Passive Gain For Wibro
- Test Result for Ver 0.0

	SWR & Smith chart			Peak [dBi]	Average [dBi]	Efficiency [%]
CH1 31 CH2 31 CH3 31	1 1 U FS 2:46.049 n 3.8086 n 258.49 pH	1arkers	2300MHz	2.51	-0.84	82.52
Cor Del	MARKER 2 2 3300 311.	2.0798 000 6Hz 1.9175 000 6Hz	2322.5MHz	2.68	-0.78	83.71
;			2345MHz	3.15	-0.45	90.20
Cor	149.1034 dB 11.27 130000 del al 1.27 14.10.000 del al 2.30 2.33000 del 2.33 del 3.35	5.570 o 66797 o	2367.5MHz	3.02	-0.78	83.76
† te	START 2 000,000 000 PHz STOP 3 000,000 000 PHz	000 GHz	2390MHz	3.09	-0.86	82.12

■ Radiation Pattern Ver 0.0





■ AutoCAD Drawing of Reference PCB Design for SDBTPTR3015 Product

