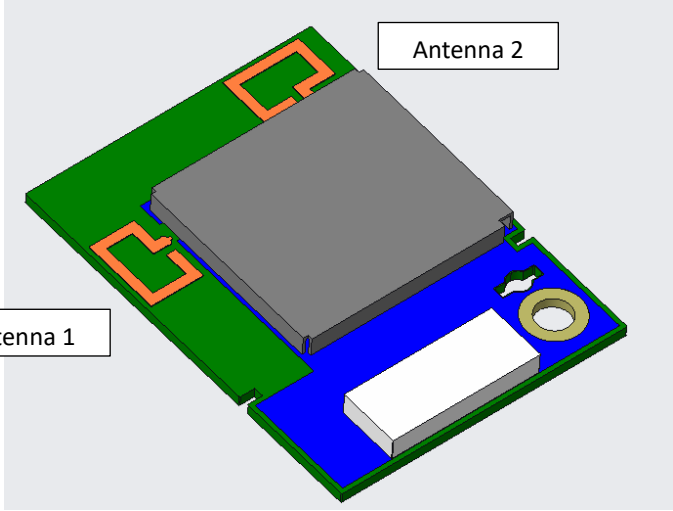
Antenna Specification

1. Antenna Characteristics

PARAMETER	ANTENNA	CONDITION	MIN	TYP	MAX	UNIT
Frequency Range			5150		5875	MHz
VSWR	ANT1 & ANT2				3.5	
Peak Gain	ANT1 & ANT2	Low band			1.7	dBi
	ANT1 & ANT2	High band			3.1	
Average Gain	ANT1	Low band		-1.8		dBi
		High band		-1.4		
	ANT2	Low band		-1.8		
		High band		-1.8		
Efficiency	ANT1	Low band		65		%
		High band		72		
	ANT2	Low band		68		
		High band		66		
Impedance				50		Ω

**low band = 5150~5250MHz, High band = 5725~5875MHz*

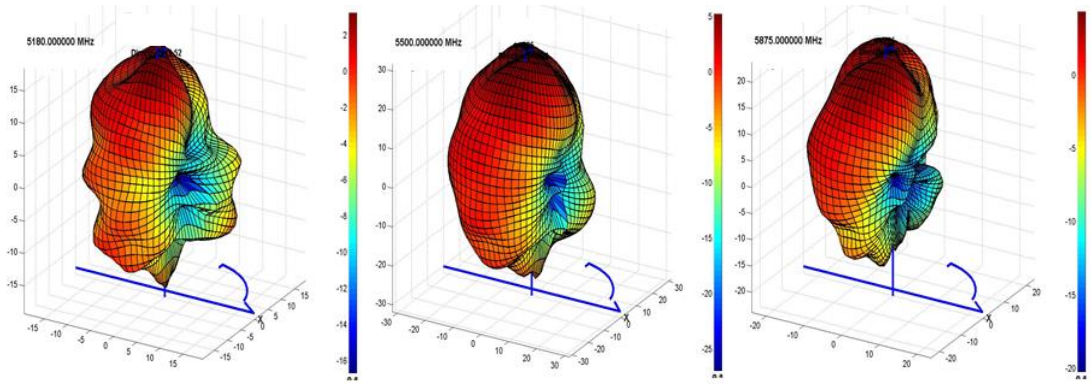
Antenna Type: PCB Printed antenna



Antenna Efficiency & Gain

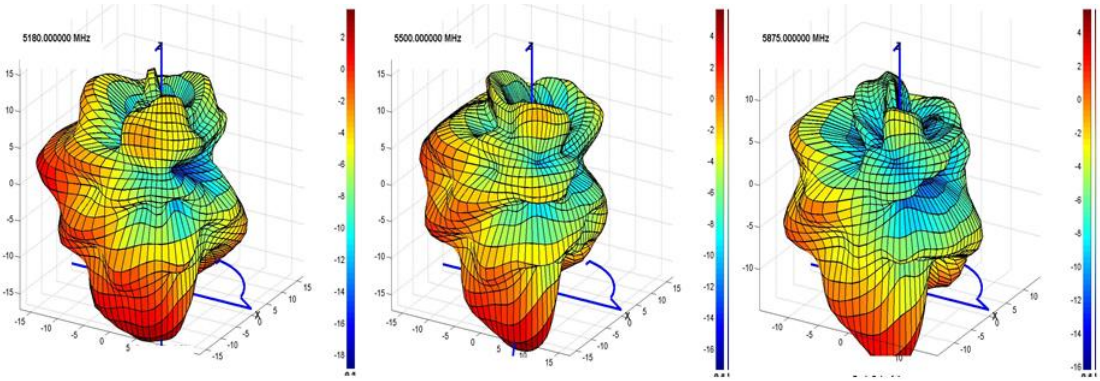
3D Passive Gain & Radiation Pattern _ Left

Frequency	Efficiency	Average Gain			Max Gain		
		Ver	Hor	Total	Ver	Hor	Total
5180.000000 MHz	66.3 %	-4.5 dBi	-5.1 dBi	-1.8 dBi	0.7 dBi	-0.7 dBi	1.2 dBi
5260.000000 MHz	64.6 %	-4.8 dBi	-5.0 dBi	-1.9 dBi	1.3 dBi	0.1 dBi	1.7 dBi
5320.000000 MHz	73.6 %	-4.6 dBi	-4.1 dBi	-1.3 dBi	2.1 dBi	1.2 dBi	2.5 dBi
5400.000000 MHz	72.2 %	-4.7 dBi	-4.2 dBi	-1.4 dBi	2.1 dBi	1.7 dBi	2.8 dBi
5500.000000 MHz	76.8 %	-4.2 dBi	-4.1 dBi	-1.1 dBi	2.4 dBi	2.0 dBi	3.3 dBi
5600.000000 MHz	79.2 %	-4.2 dBi	-3.9 dBi	-1.0 dBi	2.7 dBi	1.4 dBi	3.1 dBi
5700.000000 MHz	75.3 %	-4.1 dBi	-4.3 dBi	-1.2 dBi	2.0 dBi	1.3 dBi	2.6 dBi
5725.000000 MHz	74.8 %	-4.2 dBi	-4.3 dBi	-1.3 dBi	2.1 dBi	1.2 dBi	2.7 dBi
5785.000000 MHz	74.7 %	-4.3 dBi	-4.2 dBi	-1.3 dBi	2.3 dBi	1.7 dBi	2.8 dBi
5825.000000 MHz	72.4 %	-4.3 dBi	-4.5 dBi	-1.4 dBi	2.0 dBi	0.5 dBi	3.1 dBi
5875.000000 MHz	68.4 %	-4.7 dBi	-4.6 dBi	-1.7 dBi	1.9 dBi	0.9 dBi	2.4 dBi

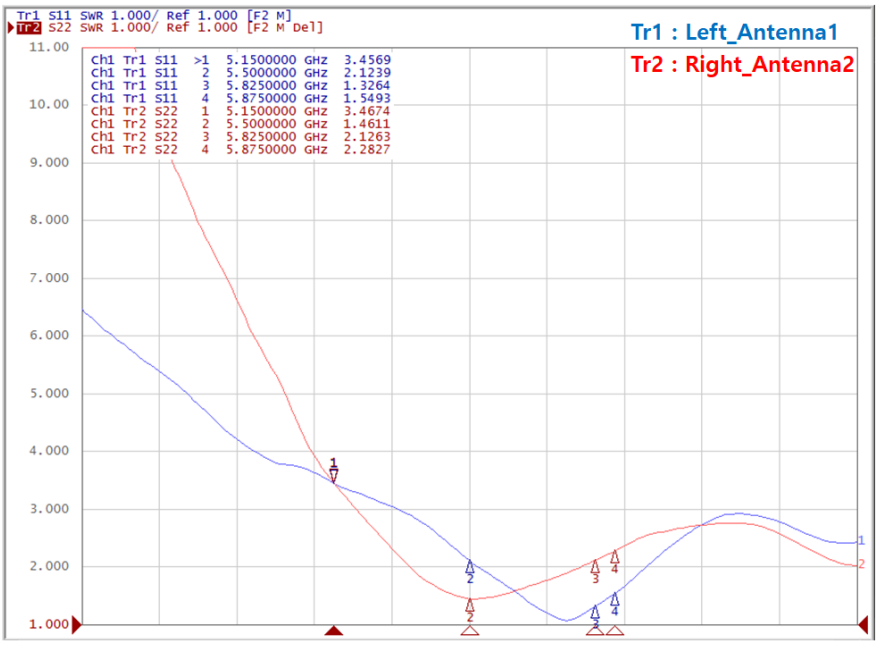


3D Passive Gain & Radiation Pattern _ Right

Frequency	Efficiency	Average Gain			Max Gain		
		Ver	Hor	Total	Ver	Hor	Total
5180.000000 MHz	66.1 %	-6.0 dBi	-3.9 dBi	-1.8 dBi	0.8 dBi	0.4 dBi	1.1 dBi
5260.000000 MHz	71.0 %	-5.3 dBi	-3.8 dBi	-1.5 dBi	0.9 dBi	0.6 dBi	1.4 dBi
5320.000000 MHz	72.1 %	-6.0 dBi	-3.3 dBi	-1.4 dBi	2.1 dBi	1.1 dBi	2.2 dBi
5400.000000 MHz	72.9 %	-5.9 dBi	-3.3 dBi	-1.4 dBi	2.3 dBi	1.0 dBi	2.4 dBi
5500.000000 MHz	73.6 %	-5.6 dBi	-3.4 dBi	-1.3 dBi	2.5 dBi	0.4 dBi	2.7 dBi
5600.000000 MHz	73.2 %	-5.9 dBi	-3.2 dBi	-1.4 dBi	2.8 dBi	0.2 dBi	3.0 dBi
5700.000000 MHz	71.0 %	-5.3 dBi	-3.8 dBi	-1.5 dBi	2.2 dBi	-2.4 dBi	3.1 dBi
5725.000000 MHz	68.2 %	-5.9 dBi	-3.7 dBi	-1.7 dBi	2.3 dBi	-0.9 dBi	3.1 dBi
5785.000000 MHz	66.7 %	-5.9 dBi	-3.8 dBi	-1.8 dBi	2.6 dBi	-0.2 dBi	2.8 dBi
5825.000000 MHz	66.1 %	-6.0 dBi	-3.9 dBi	-1.8 dBi	-0.8 dBi	0.7 dBi	2.2 dBi
5875.000000 MHz	63.6 %	-6.6 dBi	-3.8 dBi	-2.0 dBi	-1.3 dBi	0.7 dBi	1.9 dBi



VSWR



Tr1 : Antenna 1
Tr2: Antenna 2