

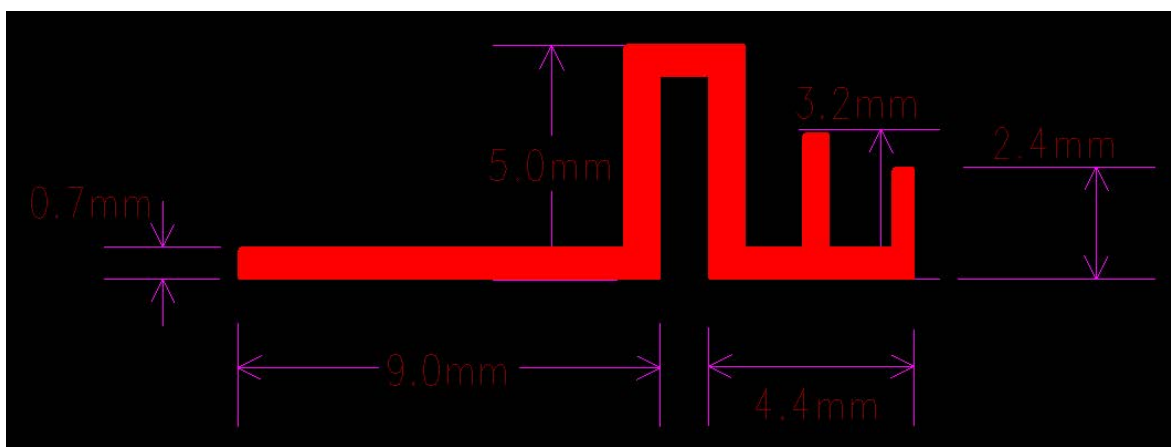
Product specification

Quick Reference Data

	Antenna module on the system board	
Frequenc Range	5150 ~ 5850MHz	
Ant. Port Input Pwr. (dBm)	0 (Typ. BT class 2 output power)	
Tot. Rad. Pwr. (dBm)	-1.1 (Input pwr – loss pwr)	
Peak EIRP(dBm)	2.3	
Directivity (dBi)	1 (all direction antenna)	
Efficiency (dB)	-1.4	
Gain (dBi)	2.3 (Peak Gain XY-plane)	
Maximum Power (dBm)	2.0 (XY-plane)	
Minimum Power (dBm)	-2(XY-plane)	
Avg. Power (dBm)	-0.3(XY-plane)	
Input Impendence(ohm)	50	
Polarization Type	V ertical & Horizontal	
V . S .W . R	< 1.4	

All the technical data and information contained herein are subject to change without prior notice

Antenna Layout & module on the system board

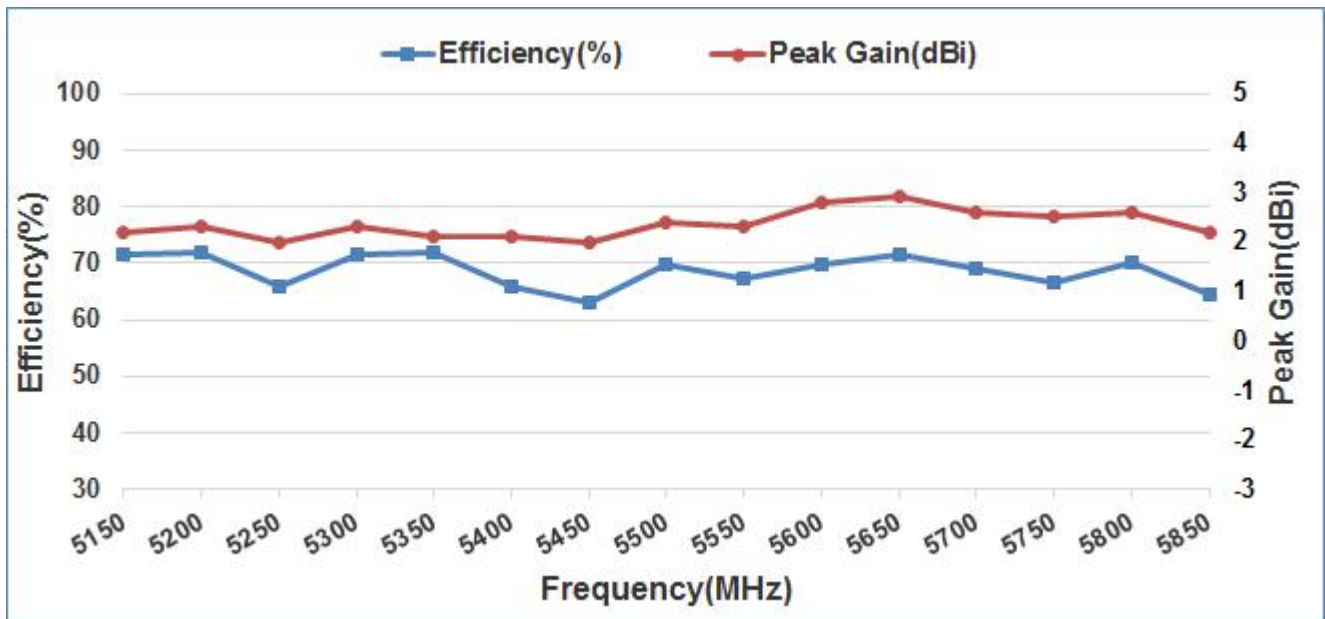


Antenna Gain

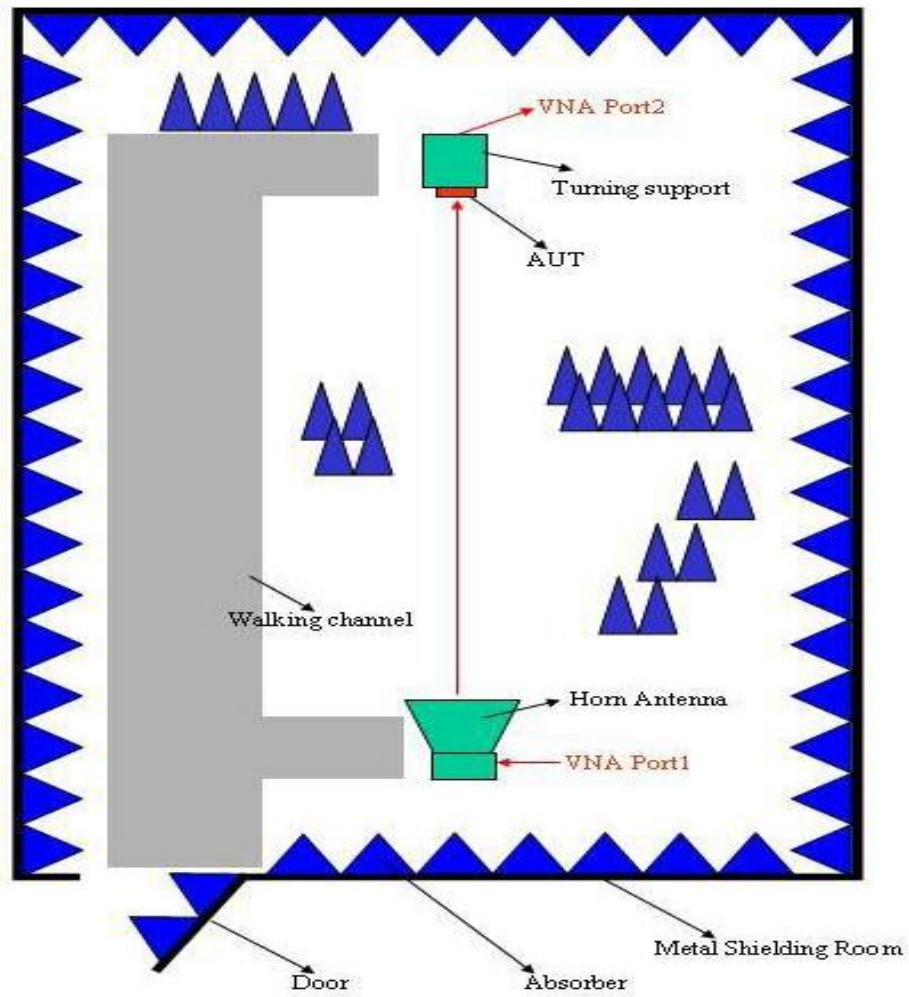
Efficiency Table

Frequency(MHz)	5150	5200	5250	5300	5350	5400	5450	5500	5550	5600	5650	5700	5750	5800	5850
Efficiency(dB)	-1.5	-1.4	-1.8	-1.5	-1.4	-1.8	-2.0	-1.6	-1.7	-1.6	-1.4	-1.6	-1.8	-1.5	-1.9
Efficiency(%)	71.5	71.9	65.7	71.6	71.9	65.8	63.2	69.9	67.3	69.6	71.7	68.9	66.6	70.1	64.6
Peak Gain(dBi)	2.2	2.3	2.0	2.3	2.1	2.1	2.0	2.4	2.3	2.8	2.9	2.6	2.5	2.6	2.2

7-2-5. 3D Efficiency vs. Frequency

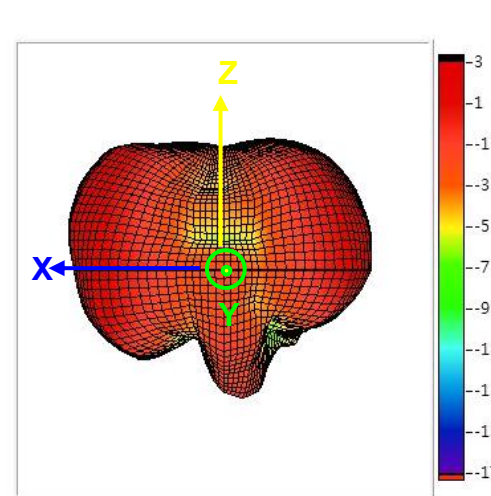
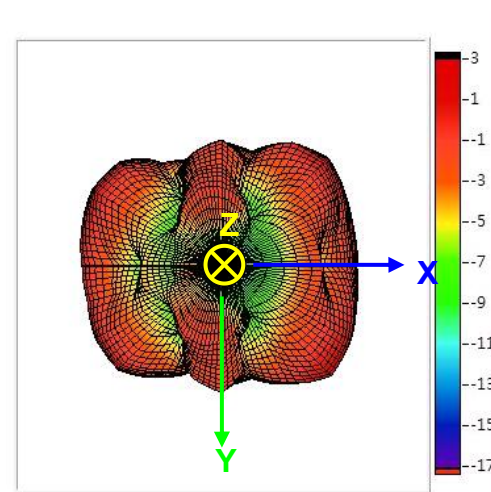
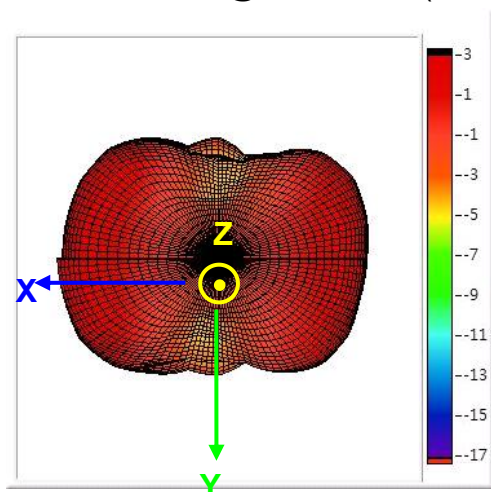


The Environment of Antenna Radiation Pattern

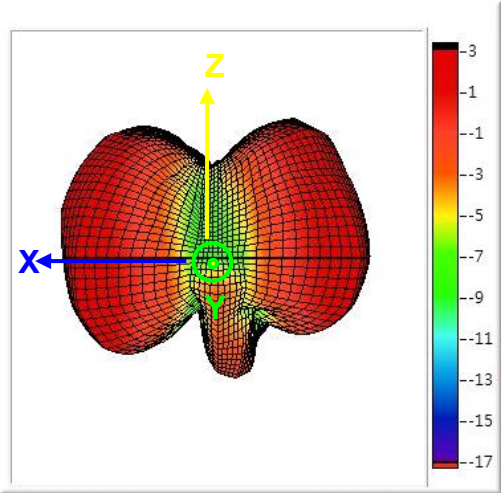
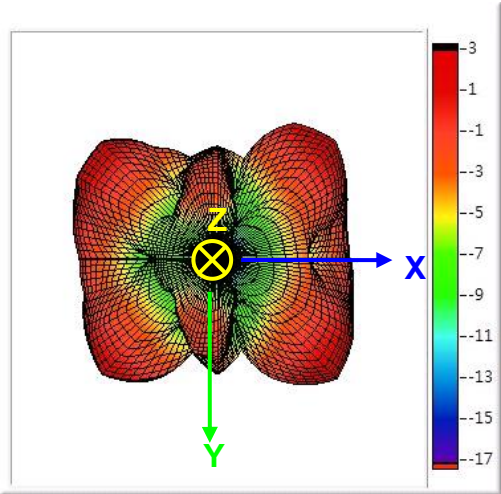
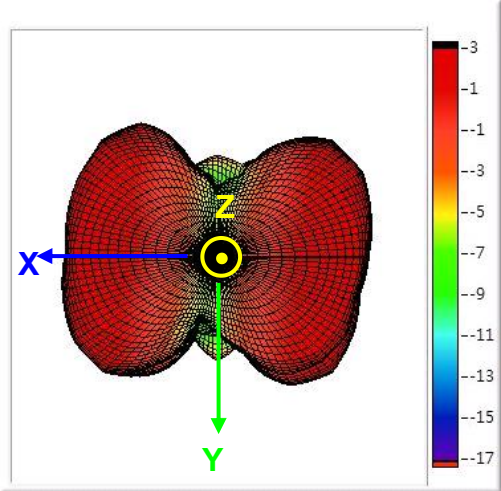


7-5150~5850 MHz Band

8-3D Gain Pattern @ 5150 MHz (unit: dBi)



7-2-2. 3D Gain Pattern @ 5550 MHz (unit: dBi)



7-2-3. 3D Gain Pattern @ 5850 MHz (unit: dBi)

