

U412 RC Antenna Specification

Quick Reference Date

	Antenna on the system board	
Frequency Range	2400~2500MHz	
Ant. Port Input Pwr. (dBm)	2 (Typ. BT class2 output power)	
Efficiency (%)	>37%	
Gain (dBi)	2.3 (Avg. Gain)	
Max Gain(dBi)	2.6	
Input Impedence (ohm)	50	
Polarization Type	Vertical & Horizontal	
V.S.W.R	<1.5	

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

Antenna Layout on the system board

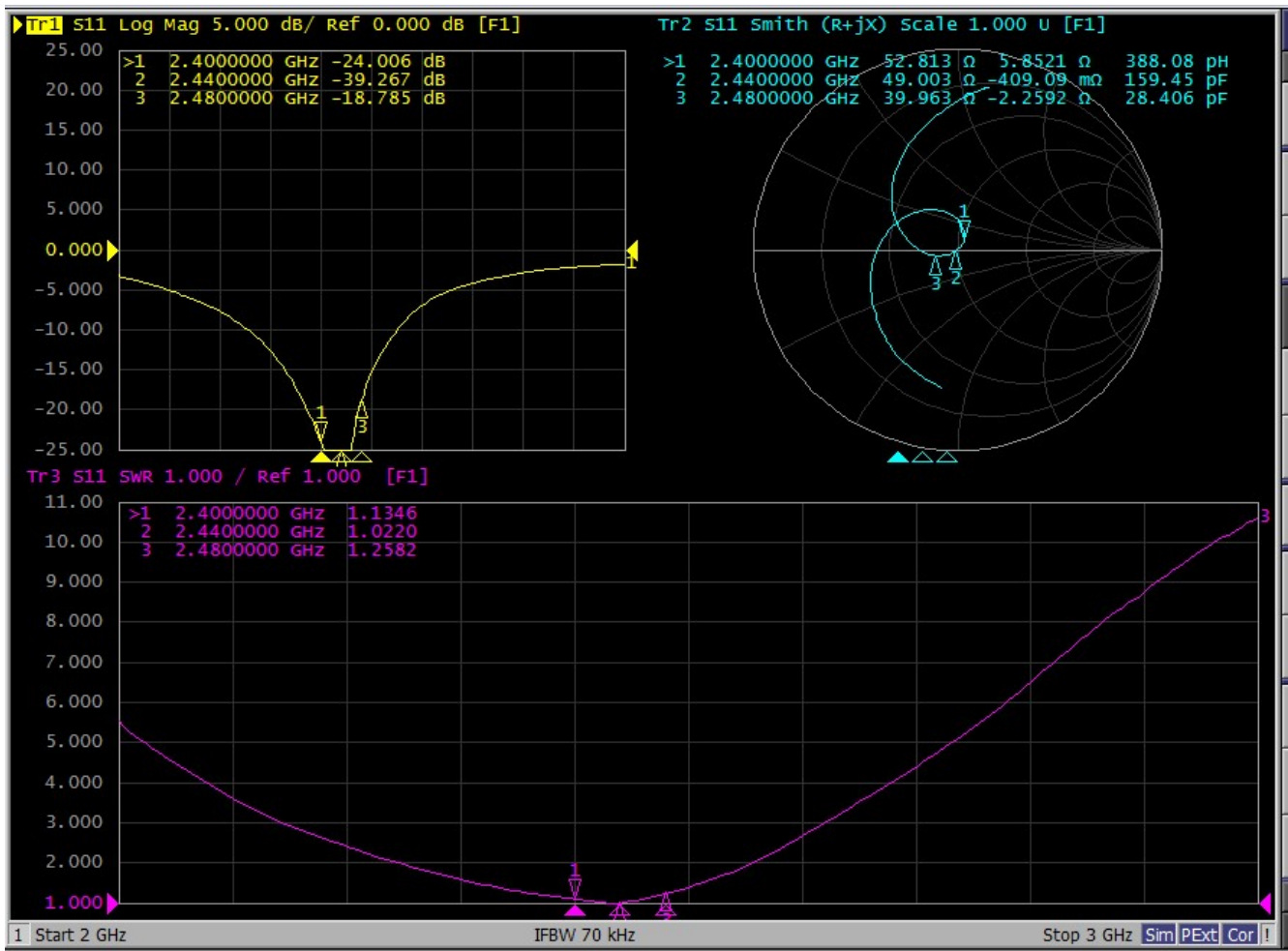


Antenna Gain

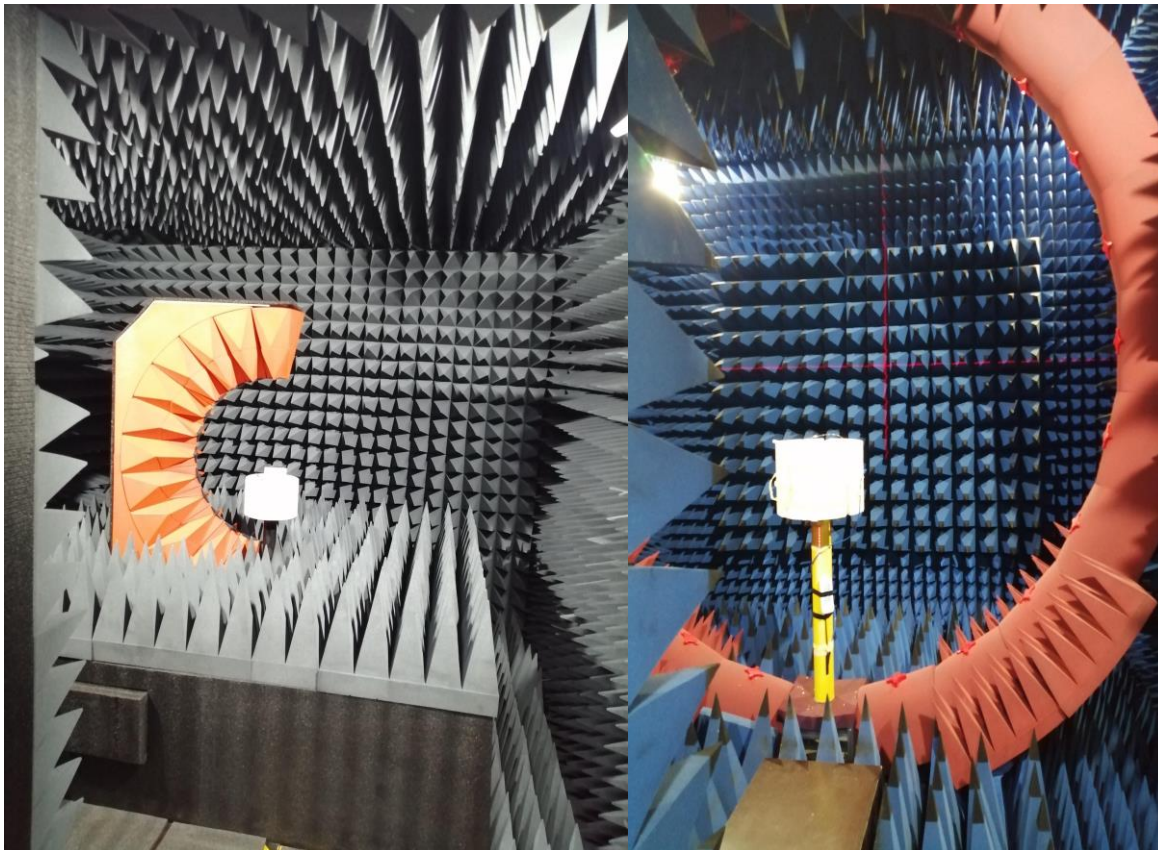
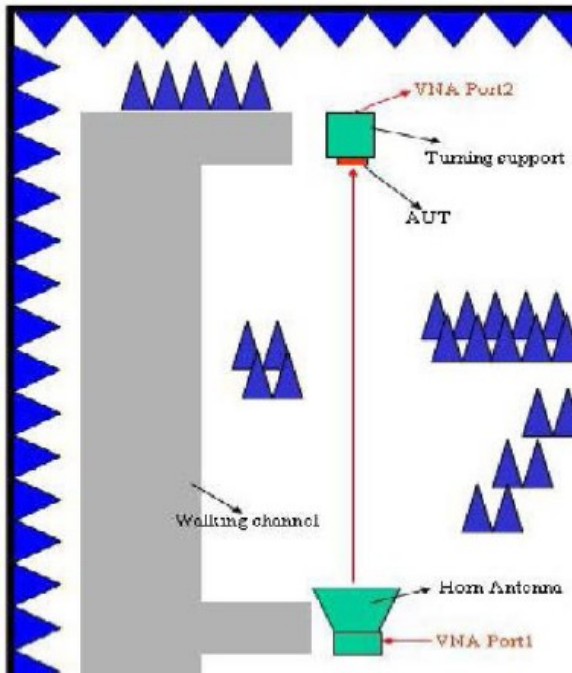
Gain Table

Unit in dBi	XY-plane	YZ-plane	XZ-plane
	Peak	Peak	Peak
2400MHz	1.37	-0.06	1.04
2440MHz	0.95	-1.00	0.62
2480MHz	0.76	-1.21	0.46

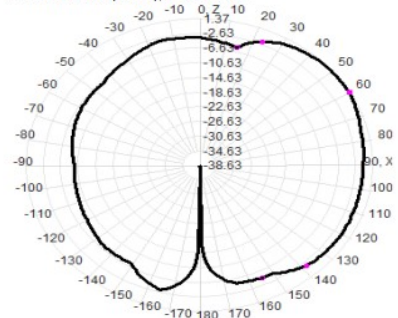
Return Loss



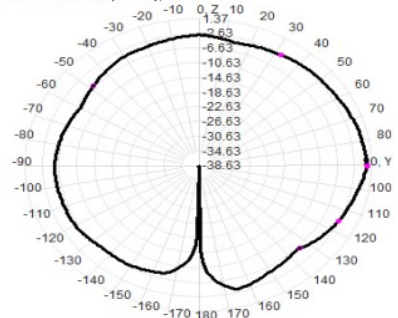
The Environment of Antenna Radiation Pattern



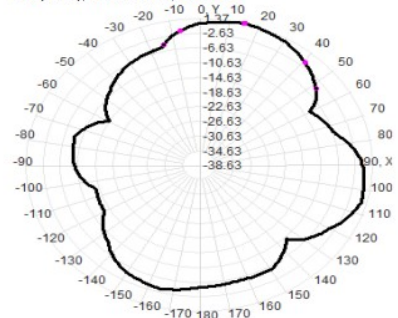
2400.0MHz Total(E1-XZ), Max= 1.04dBi



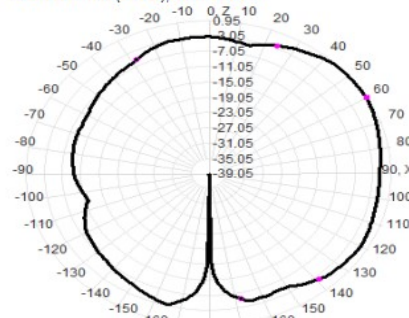
2400.0MHz Total(E2-YZ), Max= -0.06dBi



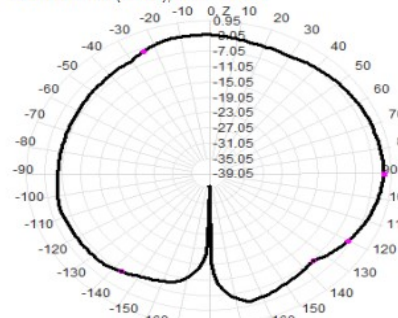
Total(H-XY), Max= 1.37dBi, CirD=16.12



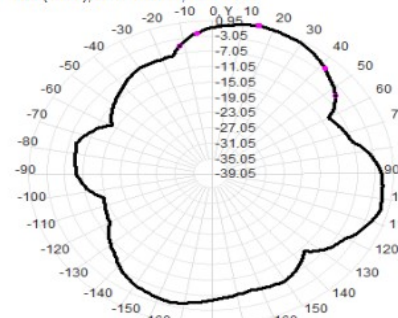
2440.0MHz Total(E1-XZ), Max= 0.62dBi



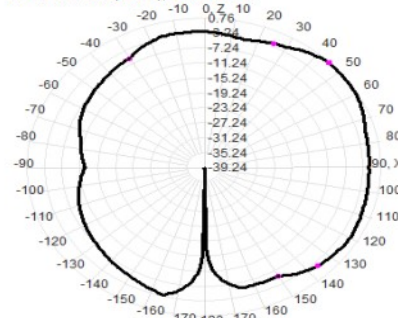
2440.0MHz Total(E2-YZ), Max= -1.00dBi



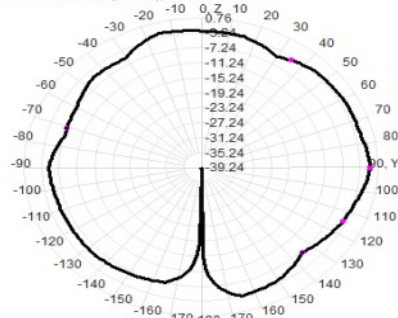
Total(H-XY), Max= 0.95dBi, CirD=15.76



2480.0MHz Total(E1-XZ), Max= 0.46dBi



2480.0MHz Total(E2-YZ), Max= -1.21dBi



Total(H-XY), Max= 0.76dBi, CirD=17.89

