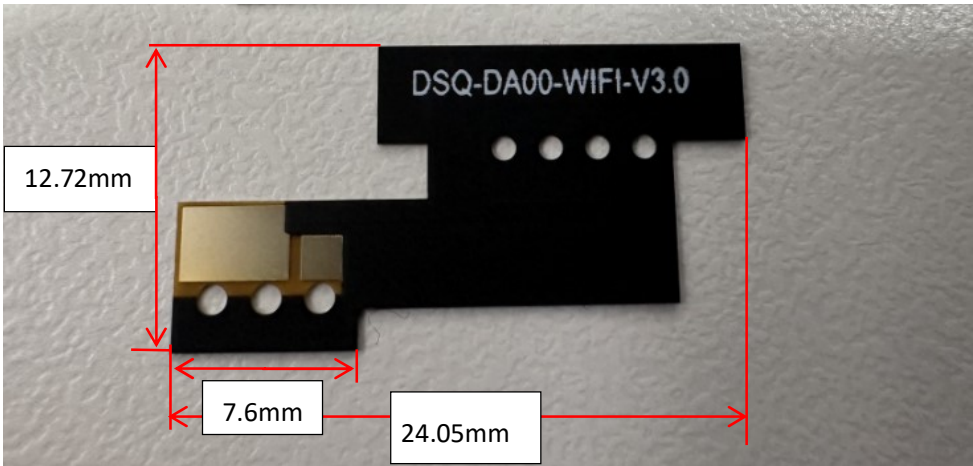


GPS BT WIFI Audio Antenna Report

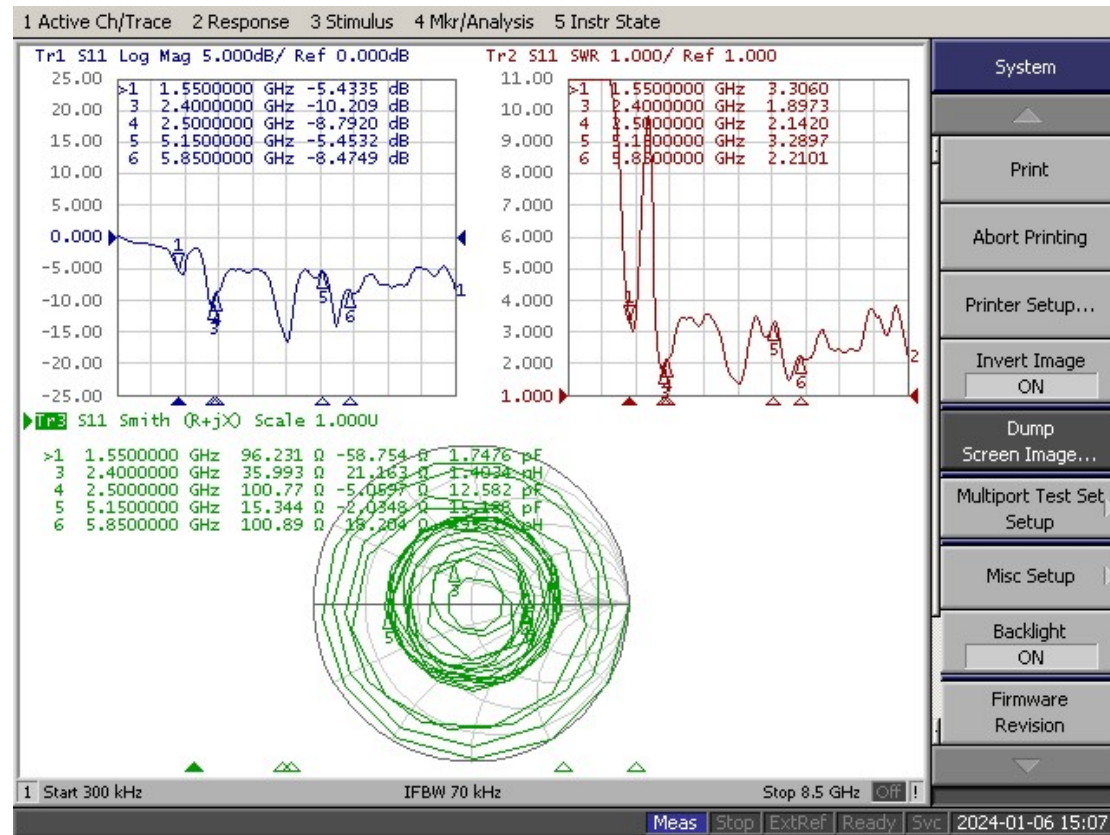
1. Antenna Description

Antenna plate	Omni-directional
Market Name	Acoustic
Antenna Max. Gain	-0.18dBi; -1.05dBi; 0.21dBi
Frequency Range	1575MHz; 2400-2500MHz; 5150-5850MHz
Connect Type	Spring Connection
Antenna Type	FPC antenna

2. Size of Antenna



3. Return Loss/VSWR/Input impedance:



Frequence: VSWR

1.55GHz 3.3060

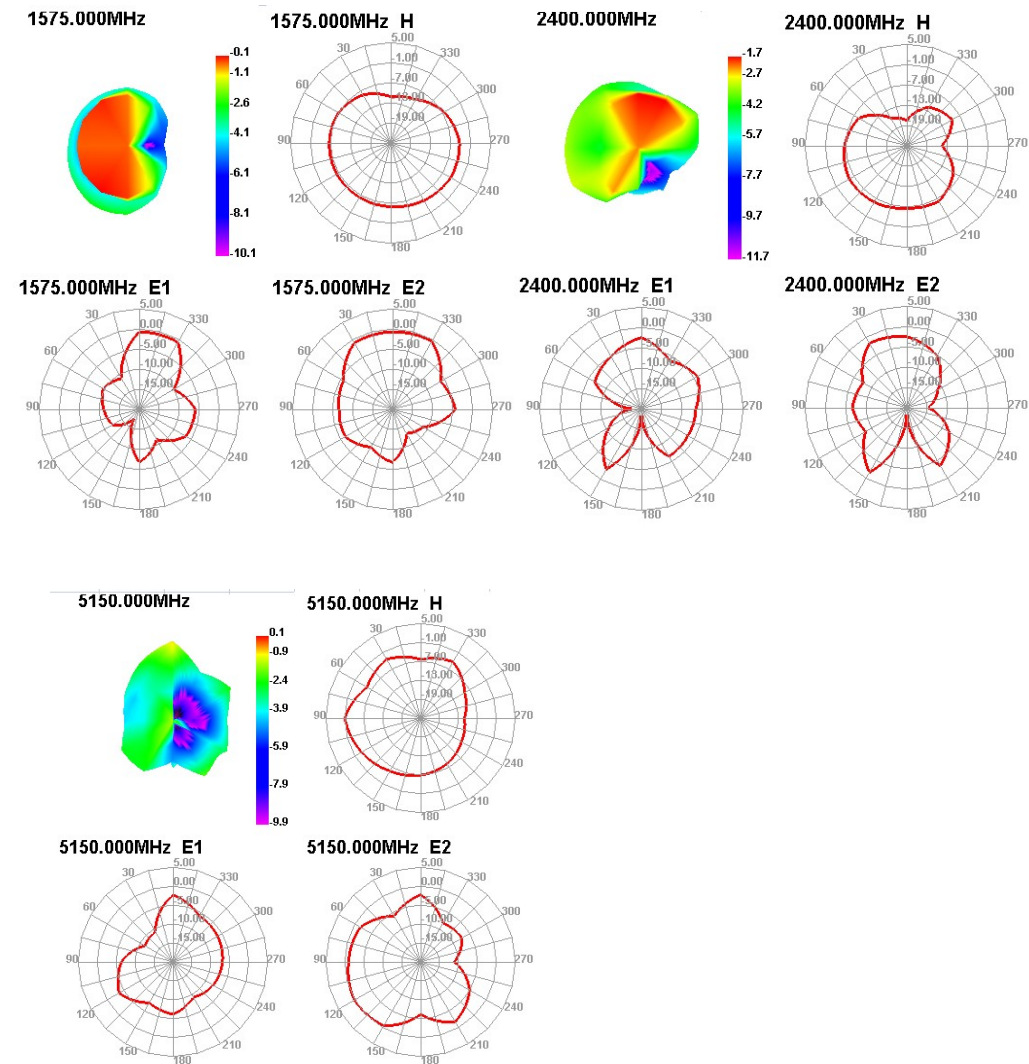
2.4GHz 1.8973

2.5GHz 2.1420

5.15GHz 3.2897

5.85GHz 2.2101

4. Radiation Pattern



5. Efficiency&Gain

Freq (MHz)	Effi (%)	Gain (dBi)	Freq (MHz)	Effi (%)	Gain (dBi)
2400	35.24	-1.74	5150	37.26	0.12
2420	36.24	-1.32	5250	35.64	0.15
2440	35.21	-1.41	5350	35.46	0.17
2460	35.32	-1.09	5450	36.85	0.14
2480	35.29	-1.15	5550	36.58	0.16
2500	35.41	-1.05	5650	36.64	0.15
			5750	36.85	0.09
			5850	37.28	0.21