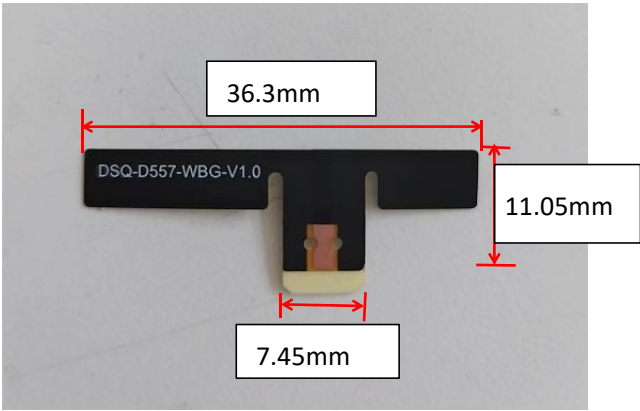


GPS BT WIFI Audio Antenna Report

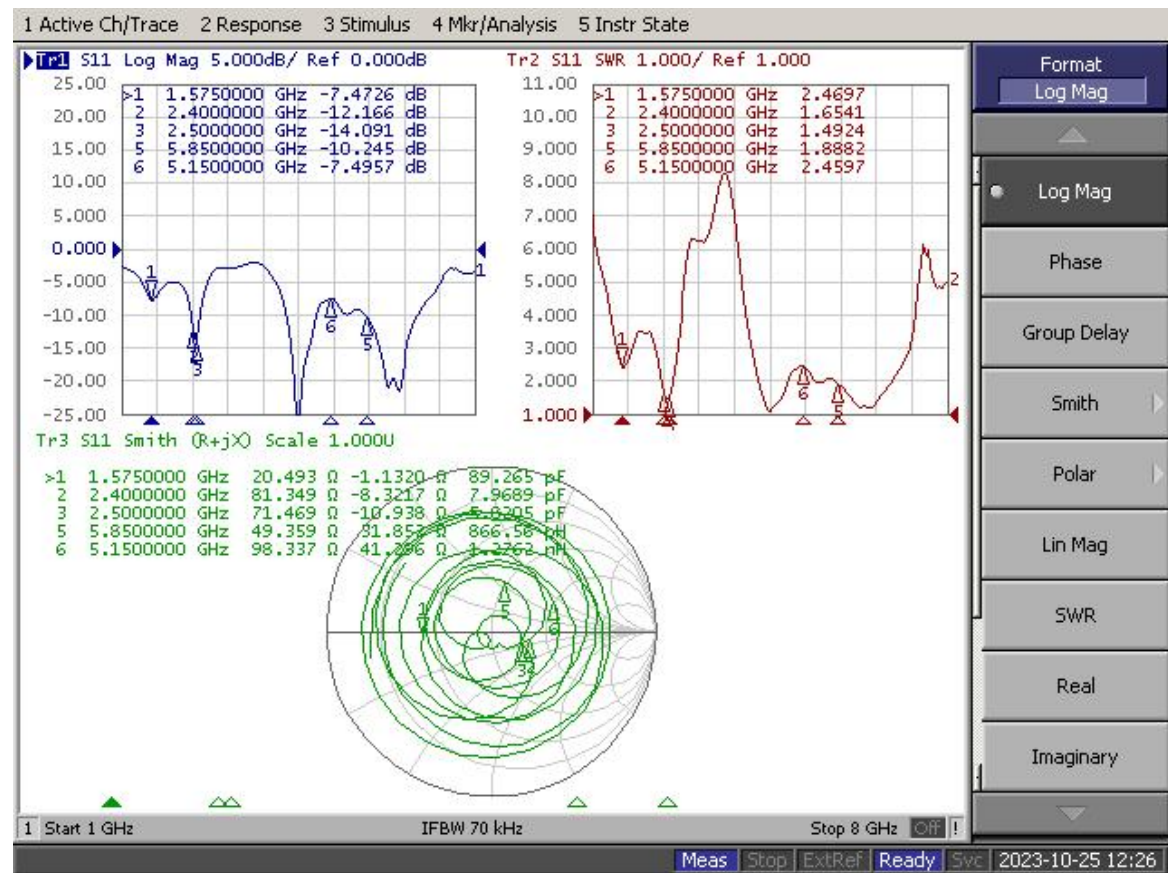
1. Antenna Description

Antenna plate	Omni-directional
Market Name	Acoustic
Antenna Max. Gain	0.3dBi; 0.4dBi; 0.7dBi
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

1.575GHz 2.4697

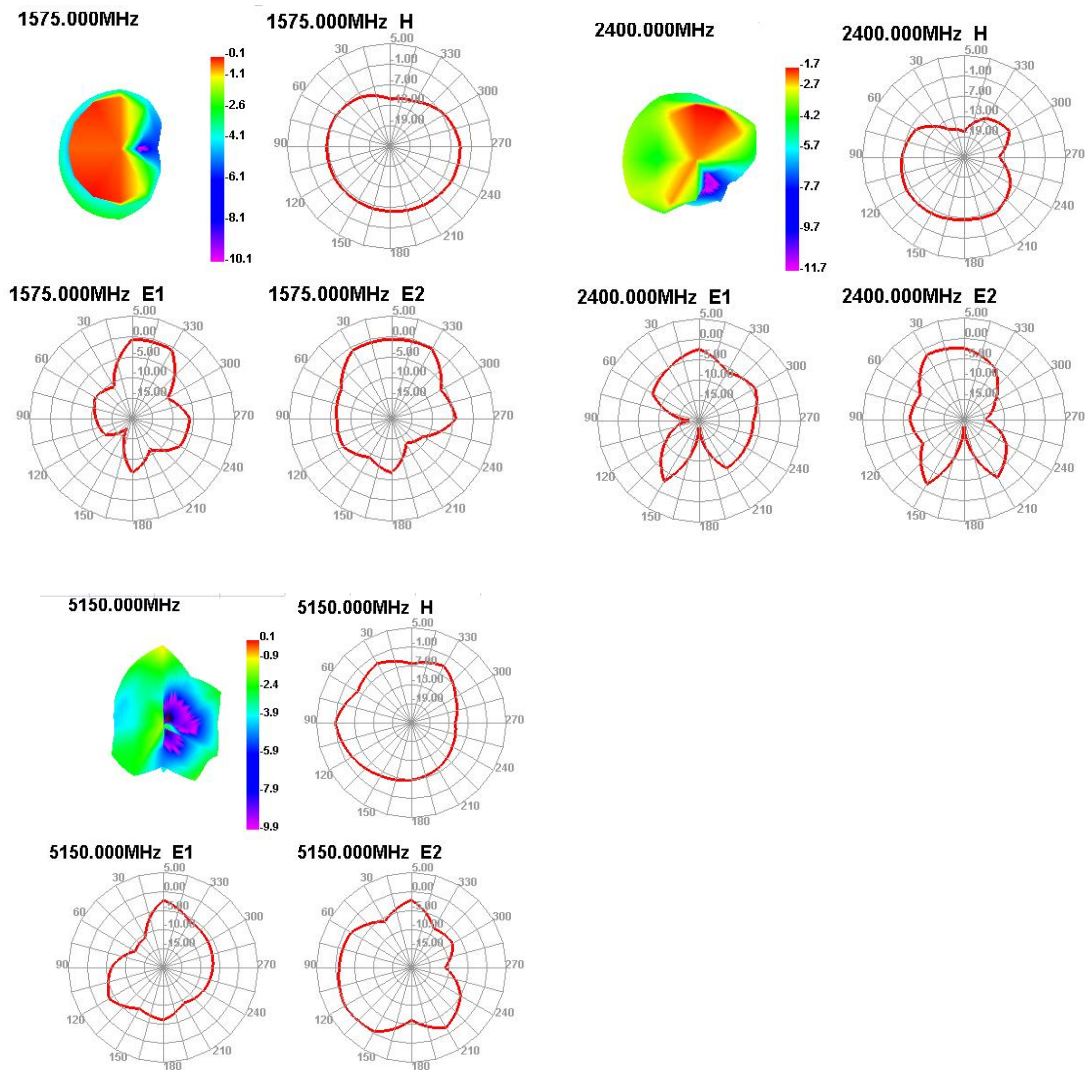
2.4GHz 1.6541

2.5GHz 1.4924

5.15GHz 2.4597

5.85GHz 1.8882

4. Radiation Pattern



5. Efficiency&Gain

Freq (MHz)	Effi (%)	Gain (dBi)	Freq (MHz)	Effi (%)	Gain (dBi)
2400	28.8	-1.7	5150	30.68	0.1
2410	29.72	-0.86	5220	29.06	0.52
2420	29.09	-0.51	5290	29.26	0.66
2430	29.13	-0.53	5360	31.25	0.46
2440	29.46	-0.01	5430	31.29	0.14
2450	28.09	-0.62	5500	28.28	-0.62
2460	28.55	-0.82	5570	30.73	0.07
2470	28.08	-0.33	5640	31.72	0.13
2480	26.02	-0.49	5710	29.84	0.04
2490	28.06	-0.01	5780	34.63	0.6
2500	29.66	0.4	5850	35.17	0.7