

ONE ANTENNA DATASHEET

Antenna Model: 13EP-5NU0C21

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P E G A

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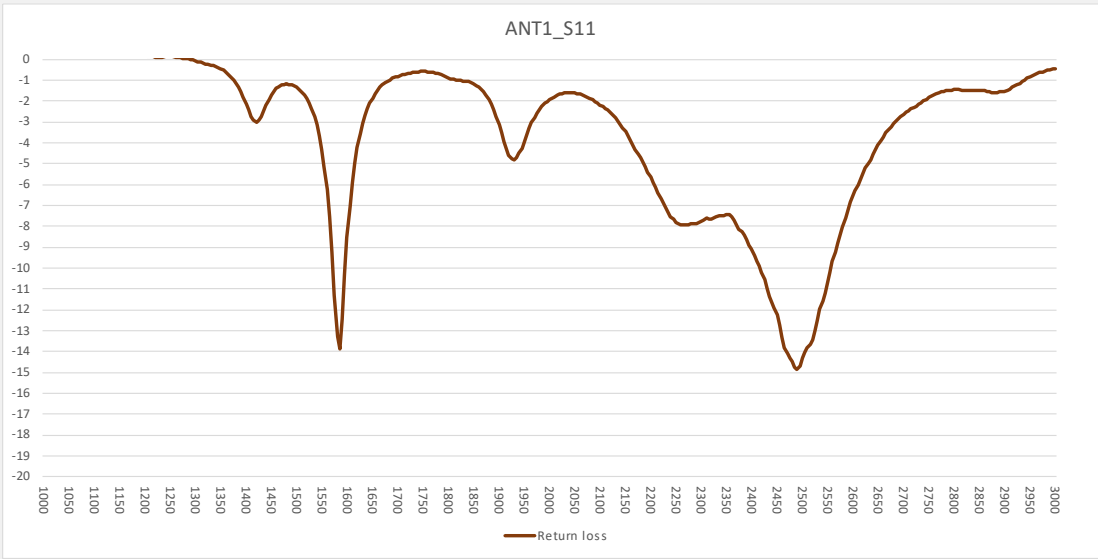
1. Specifications

Wireless Standards	GPS/Bluetooth	Wi-Fi/Bluetooth
Antenna Type	Inverted F-Antenna	Monopole Antenna
Peak Gain	-4.41dBi at 1575MHz -1.55dBi at 2400MHz -1.39dBi at 2440MHz -0.98dBi at 2480MHz	-6.97dBi at 2400MHz -6.50dBi at 2440MHz -4.85dBi at 2480MHz -0.64dBi at 5180MHz 0.66dBi at 5500MHz -3.77dBi at 5825MHz
Material	Titanium	Titanium

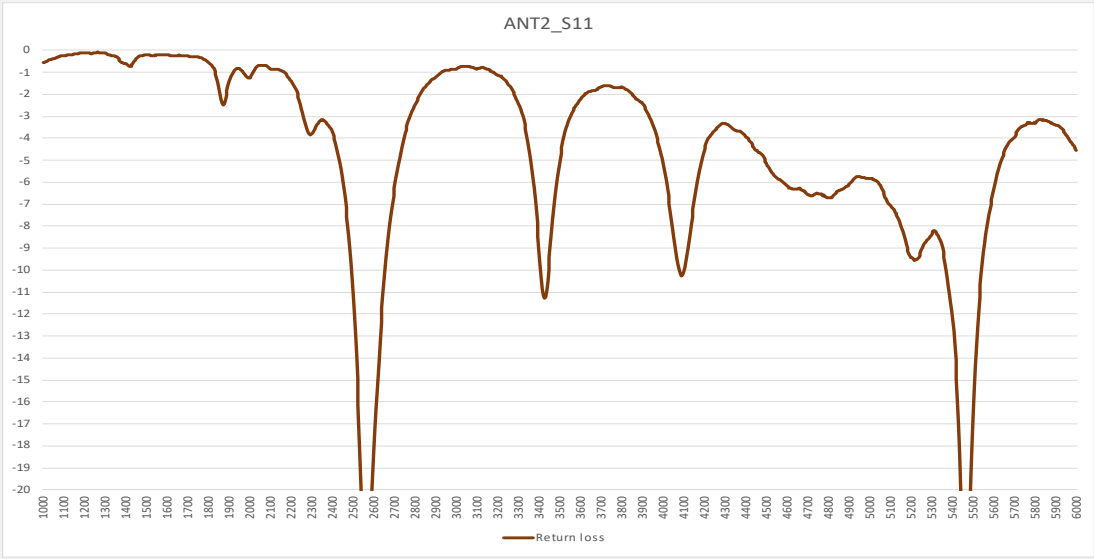
2. Performance Data

2.1 Return Loss

2.1.1 Return Loss of Antenna 1



2.1.2 Return Loss of Antenna 2

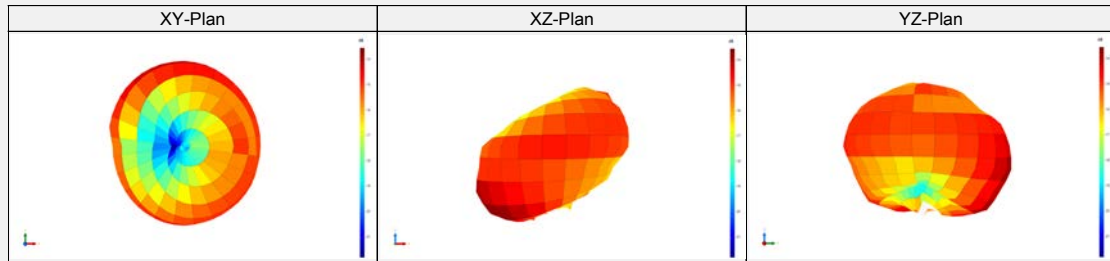


2.2 Peak Gain (dBi) summary

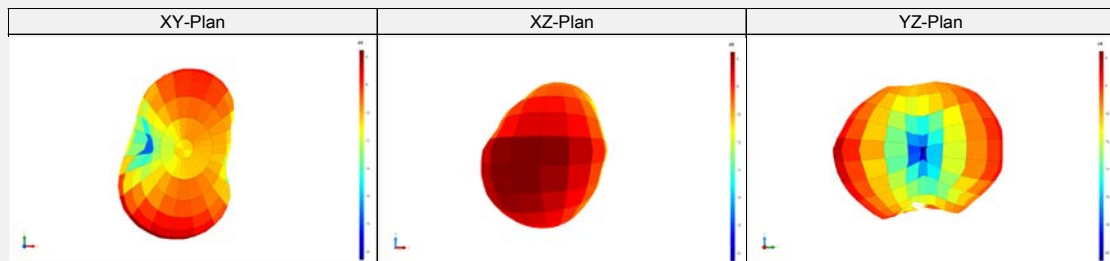
Frequency (MHz)	Antenna1-GPS/Bluetooth combined			Antenna2-Wi-Fi/Bluetooth combined		
	2D Peak Gain(dBi)	3D Peak Gain(dBi)	Efficiency(%)	2D Peak Gain(dBi)	3D Peak Gain(dBi)	Efficiency(%)
1575	-5.65	-4.41	22%	-	-	-
2400	-2.38	-1.55	27%	-8.22	-6.97	7%
2440	-2.08	-1.39	28%	-8.61	-6.5	8%
2480	-1.68	-0.98	30%	-6.42	-4.85	12%
5180	-	-	-	-3.74	-0.64	24%
5500	-	-	-	-2.98	0.66	27%
5825	-	-	-	-7.43	-3.77	11%

2.3 Radiation Pattern for 3D Data

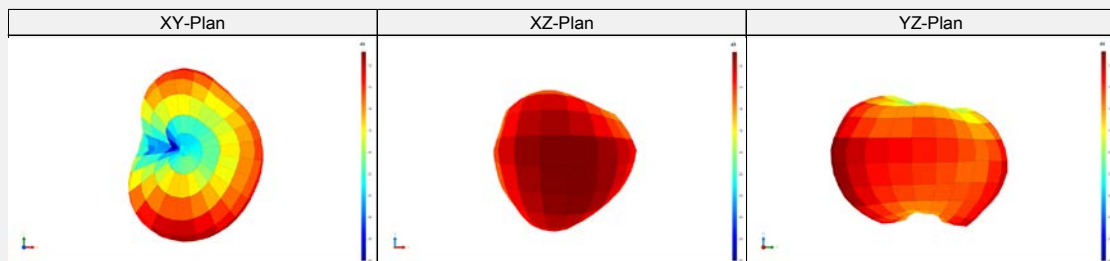
Antenna 1_1575MHz



Antenna 1_2440MHz



Antenna 2_2440MHz



Antenna 2_5500MHz

