

ANTAIRA-DAT-R

Dipole Antenna, SMA Female-Right Hand Thread, 3dBi



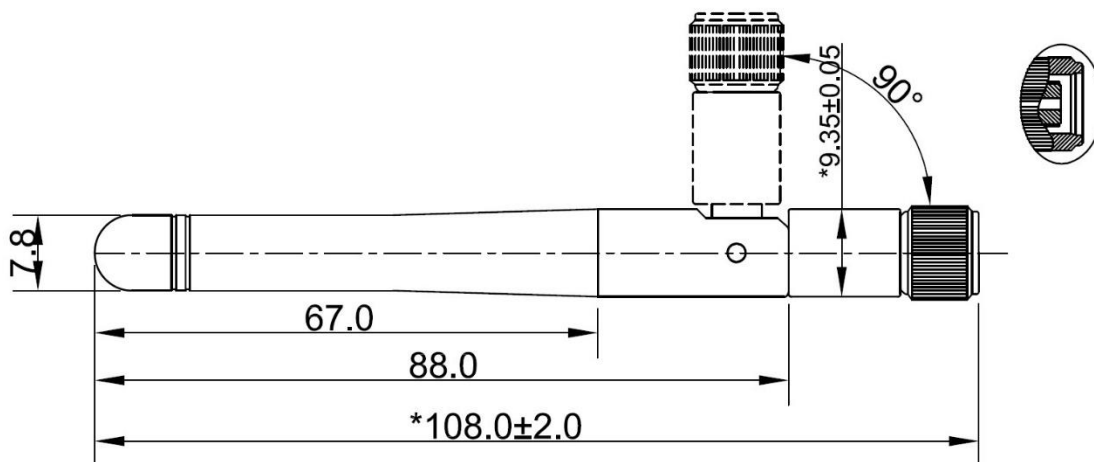
Features

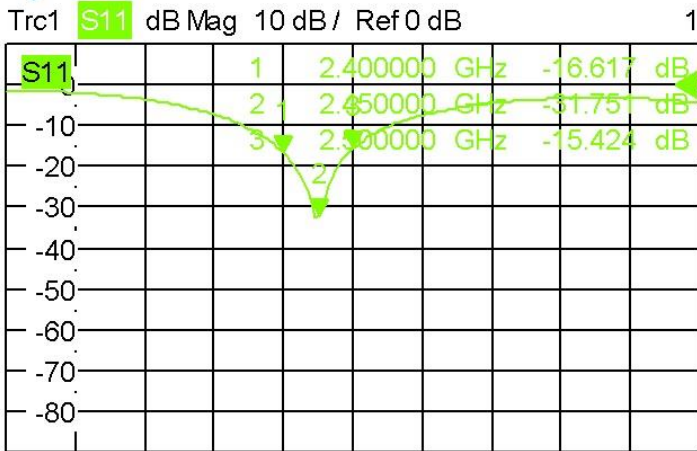
- ▶ Frequency Range: 2400~2500MHz
- ▶ Antenna Gain: 3dBi \pm 0.5dBi @ 2400~2500MHz
- ▶ S.W.R.: 2.0
- ▶ Polarization: Linear
- ▶ Impedance: 50 Ohm
- ▶ Antenna Type: Omni-Directional Dipole
- ▶ Connector: RP-SMA plug
- ▶ Operating Temperature Range: -45°C to 85°C
- ▶ 2-Year Warranty

INTRODUCTION

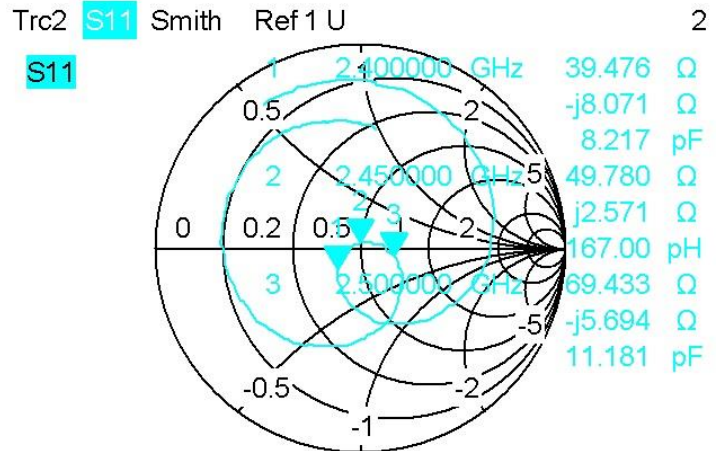
Antaira Technologies' ANTAIRA-DAT-R has a socket (not a pin) inside the threaded part of the connector. RP-SMA male connector composition:

DIMENSIONS





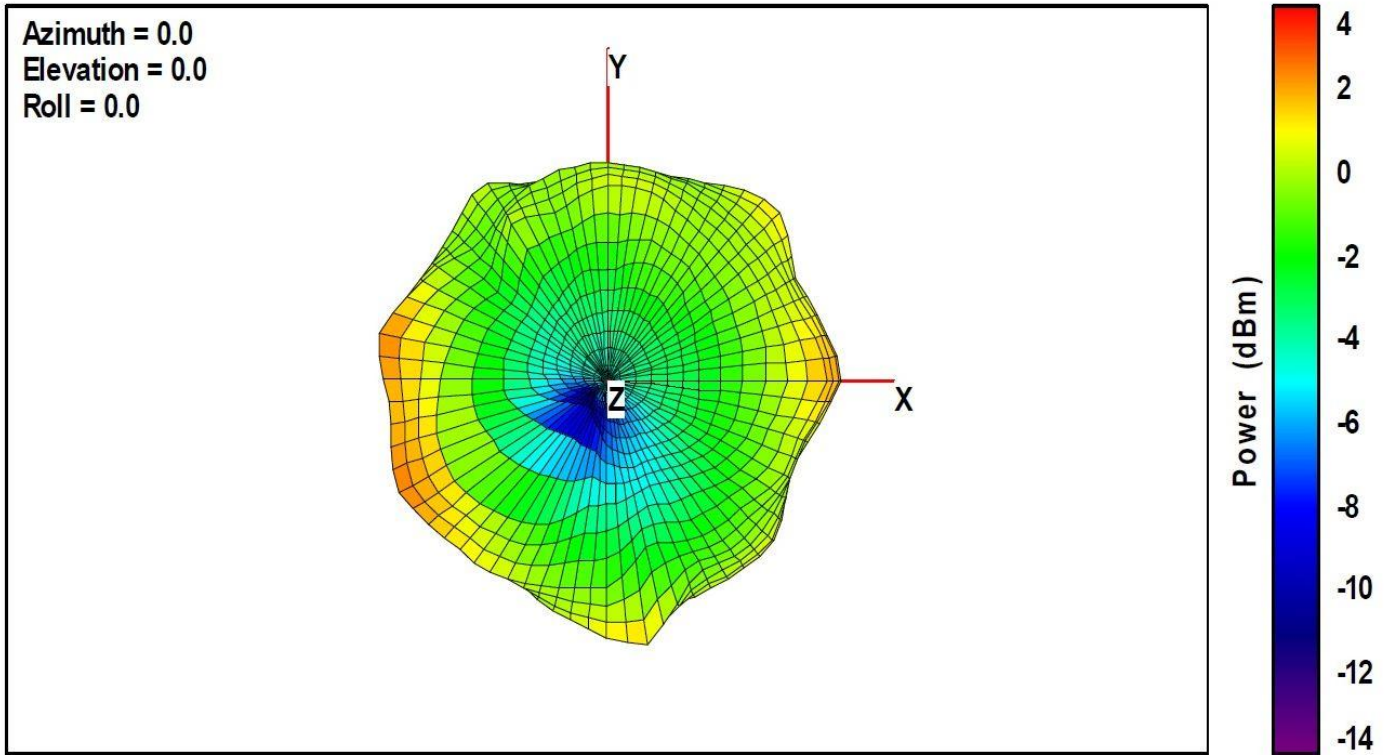
Ch1 Center 2.5 GHz wr -10 dBm Span 1 GHz



Ch1 Center 2.5 GHz wr -10 dBm Span 1 GHz

Frequency ID	1	2	3	4	5	6	7	8	9	10	11
Frequency (MHz)	2400.0	2410.0	2420.0	2430.0	2440.0	2450.0	2460.0	2470.0	2480.0	2490.0	2500.0
Point Values											
Ant. Port Input Pwr. (dBm)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tot. Rad. Pwr. (dBm)	-0.86	-0.89	-0.70	-0.64	-0.65	-0.80	-0.69	-0.60	-0.87	-1.18	-1.51
Peak EIRP (dBm)	3.17	3.18	3.50	3.56	3.24	2.82	2.79	2.79	2.23	1.91	1.49
Directivity (dBi)	4.03	4.07	4.20	4.20	3.89	3.62	3.49	3.38	3.10	3.09	3.00
Efficiency (dB)	-0.86	-0.89	-0.70	-0.64	-0.65	-0.80	-0.69	-0.60	-0.87	-1.18	-1.51
Efficiency (%)	82.00	81.40	85.20	86.20	86.10	83.10	85.30	87.20	81.80	76.30	70.70
Gain (dBi)	3.17	3.18	3.50	3.56	3.24	2.82	2.79	2.79	2.23	2.91	2.99
NHPRP ±Pi/4 (dBm)	-1.15	-1.03	-0.58	-0.36	-0.42	-0.52	-0.41	-0.52	-1.15	-1.50	-1.89
NHPRP ±Pi/6 (dBm)	-2.79	-2.61	-2.10	-1.83	-1.84	-1.92	-1.78	-1.86	-2.46	-2.78	-3.15
NHPRP ±Pi/8 (dBm)	-5.46	-5.12	-4.47	-4.07	-3.98	-3.98	-3.79	-3.82	-4.36	-4.62	-4.95
Upper Hem. PRP (dBm)	-2.54	-2.62	-2.49	-2.52	-2.60	-2.80	-2.71	-2.65	-2.97	-3.34	-3.77
Lower Hem. PRP (dBm)	-5.79	-5.73	-5.40	-5.21	-5.08	-5.14	-4.99	-4.84	-5.04	-5.24	-5.42
Upper Hem. PRP (%)	55.69	54.71	56.36	56.04	55.01	52.53	53.58	54.38	50.52	46.37	41.99
Lower Hem. PRP (%)	26.34	26.71	28.82	30.16	31.04	30.61	31.69	32.80	31.31	29.91	28.70

Total



Trc3 S11 SWR 1 U / Ref 1 U

3

