



IOT Embedded Antenna

STANDARD / SPECIFICATION

Frequency Range : 824~960 / 1710~2170MHz

Impedance : 50Ω

VSWR : ≤ 3.0

Return Loss : ≤ -7 Db

Radiation : Omni-directional

Gain (Peak Gain) : 2 dBi

Polarization : Linear polarization

Connector : I-PEX / Molex / Customization available

Dimensions : 70 x 10 x 0.8(T)mm or Customization

Operating Temperature : -40°C ~ +80°C

Storage Temperature : -45°C ~ +85°C

Material : PCB

Cable Type : OD1.37 BLACK

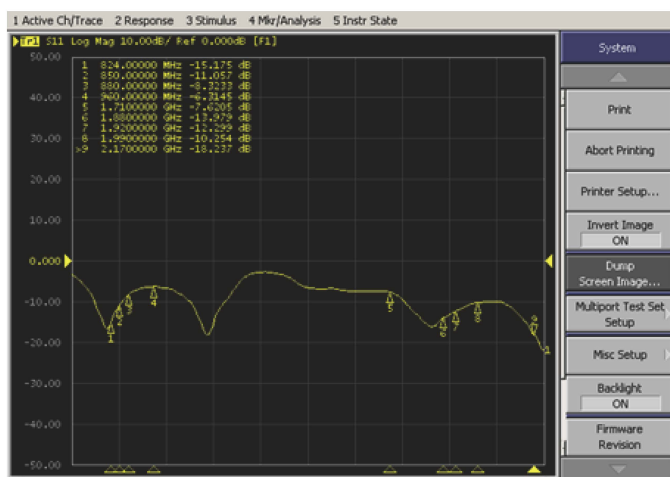
Cable Length : 200mm or Customization



Chamber Test

Channel	824	850	880	960	1710	1880	1920	1990	2170
Note	EM08								
Ant. Port Input Pwr. (dBm)	0	0	0	0	0	0	0	0	0
Tot. Rad. Pwr. (dBm)	-4.45239	-3.54976	-2.86393	-4.66868	-5.28691	-3.80746	-4.3712	-3.41876	-4.50319
Peak EIRP (dBm)	-0.457177	0.371513	1.07251	-0.420517	0.445681	1.24105	0.500257	1.43266	0.8372
Directivity (dBi)	3.99521	3.92127	3.93644	4.24814	5.73159	5.04851	4.87145	4.85143	4.88691
Efficiency (dB)	-4.45239	-3.54976	-2.86393	-4.66866	-5.28591	-3.80746	-4.3712	-3.41876	-4.50319
Efficiency (%)	35.8724	44.1595	51.7136	34.1298	29.608	41.6154	36.5494	45.5118	35.4553

Return Loss



VSWR

