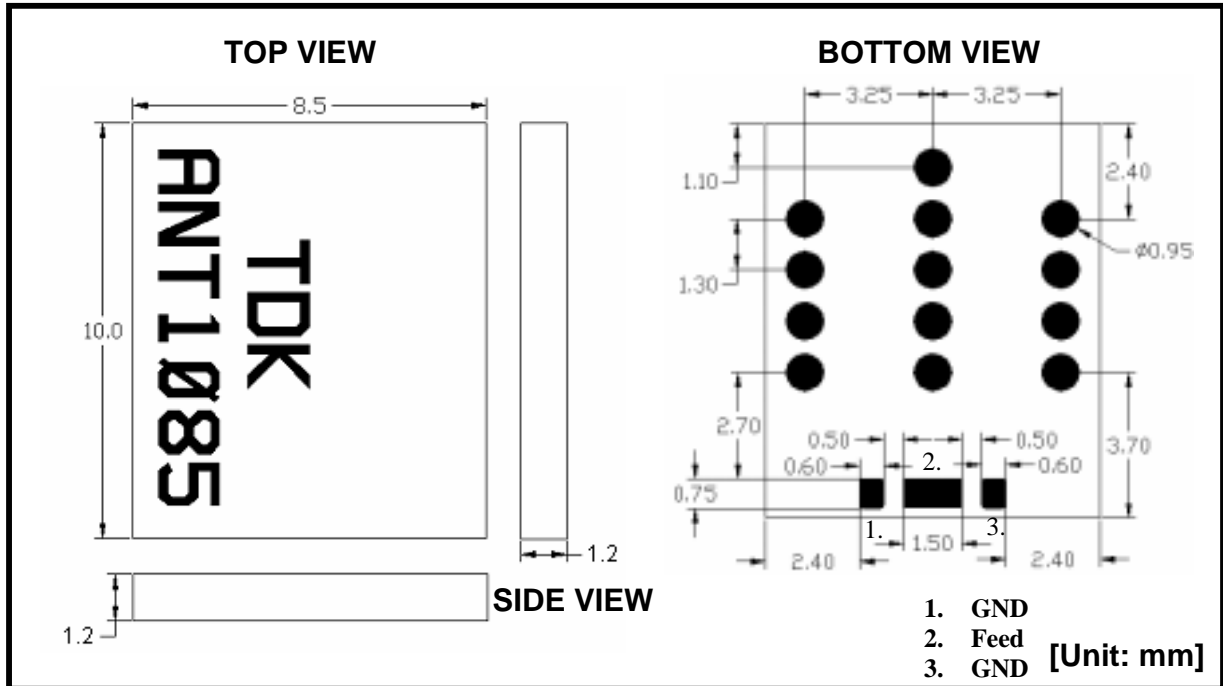


LTCC CHIP ANTENNA FOR UWB

SAMPLE P/N: **ANT1085-4R1-01A-ES4.5**

**[MECHANICAL DIMENSIONS]**

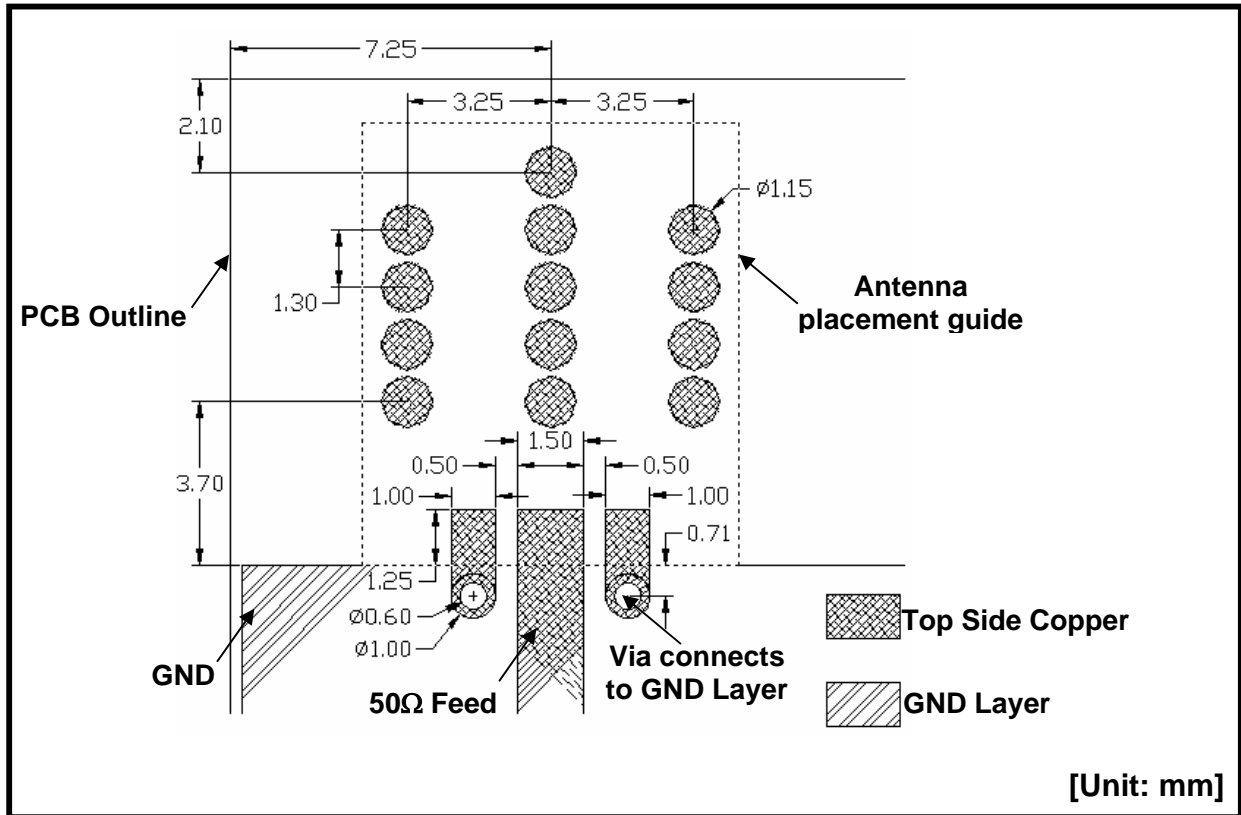


**[ELECTRICAL CHARACTERISTICS]**

PARAMETER	VALUE	UNIT
Operation Frequency	3.1 – 5.2	GHz
Polarization	Linear (Mixed)	NONE
Antenna Gain	2.0 (typ.)	dBi
Impedance	50	ohm
VSWR	3 (Max)	NONE

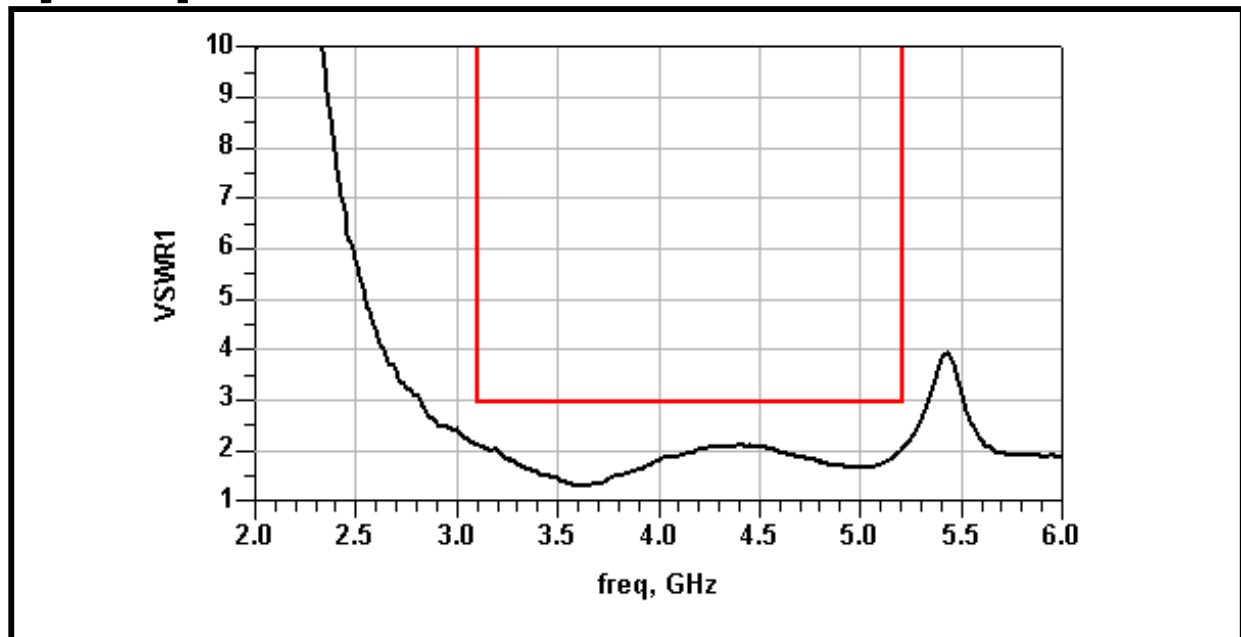
Operating temperature	-30	+85	°C
Storage temperature	-40	+85	°C

**[Recommended PCB Pattern]**



Note 1: No ground should be placed on any layer under the antenna.  
 Note 2: The antenna should be positioned close to the edge of the PCB.

**[VSWR]**

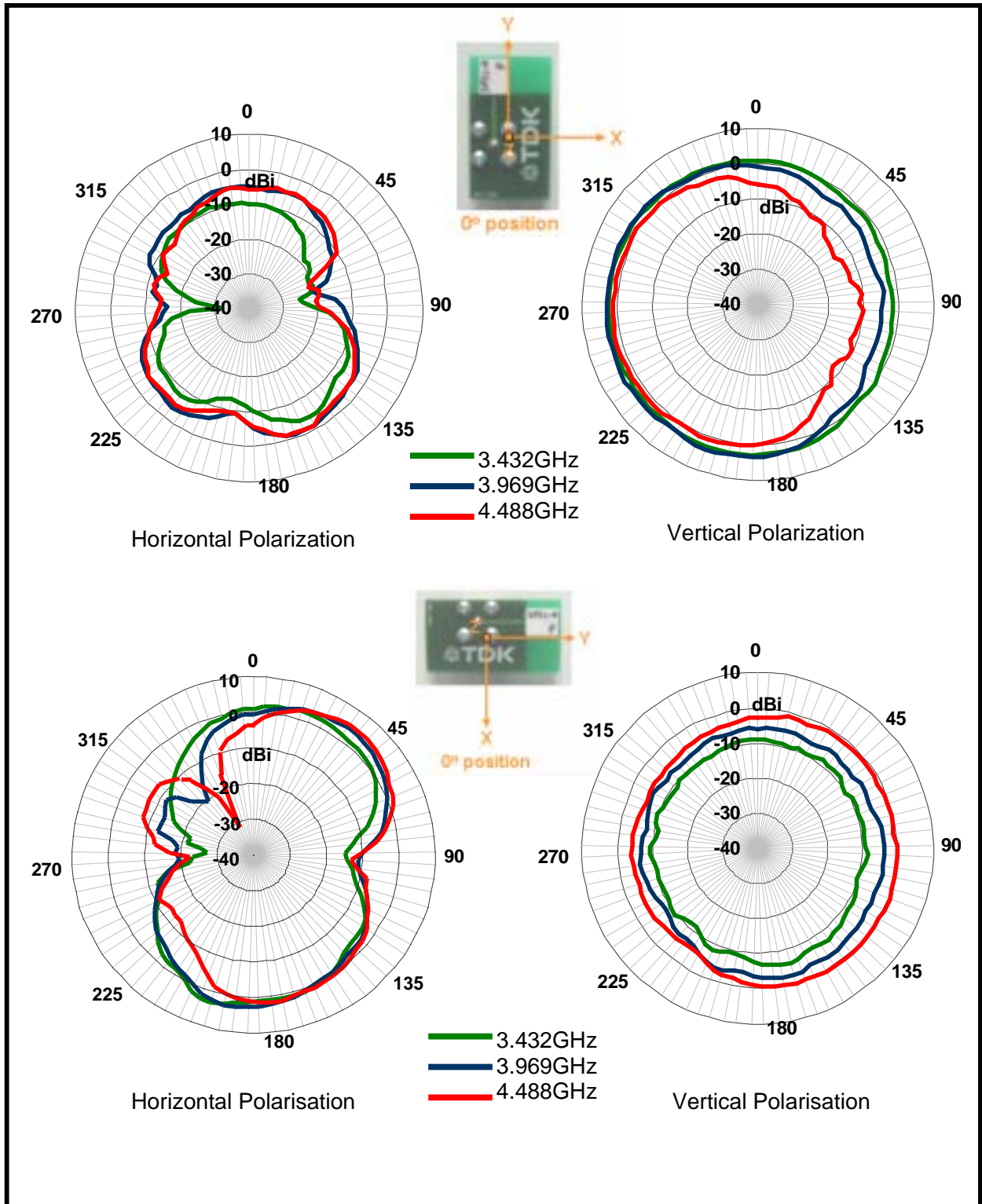


Note: Tested antenna has been soldered on 24X43mm<sup>2</sup> PCB.

Note: This document is PRELIMINARY. All specifications are subject to change without notice and are not guaranteed.

### [RADIATION PATTERN]

- Item: ANT1085 – 4R1 – 01A
- Simulated results in advance of measurements



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