

▶ strictly confidential

Attracting Tomorrow

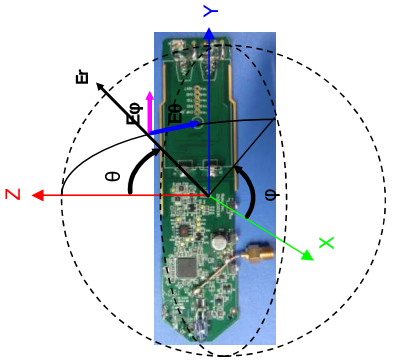


TDK Antenna Measurement

TDK Corporation
Communication Devices Business Group
Feb. 14th, 2019

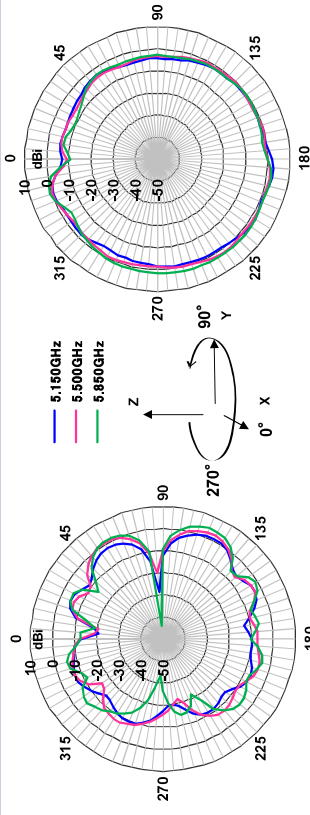
Radiation Pattern (5GHz Band)

PRODUCT ORIENTATIONS



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X-Y PLANE



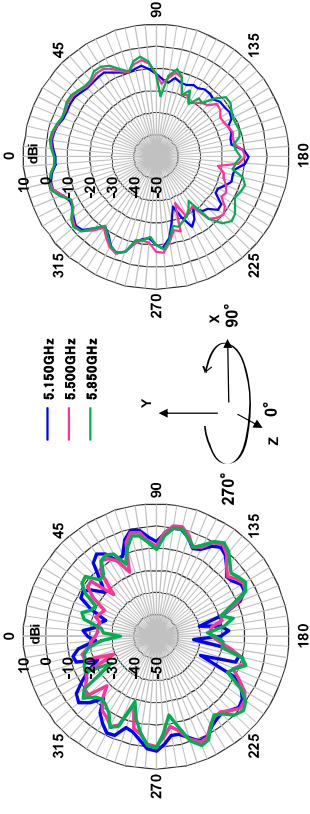
Horizontal Polarization

5.150GHz	5.500GHz	5.850GHz	
Average(dB)	-6.3	-4.8	-3.7
Maximum(dB)	1.0	2.4	4.4
Minimum(dB)	-28.5	-21.8	-43.9

Vertical Polarization

5.150GHz	5.500GHz	5.850GHz	
Average(dB)	-1.5	-1.3	-0.6
Maximum(dB)	2.8	1.8	2.6
Minimum(dB)	-7.0	-8.9	-10.8

X-Z PLANE



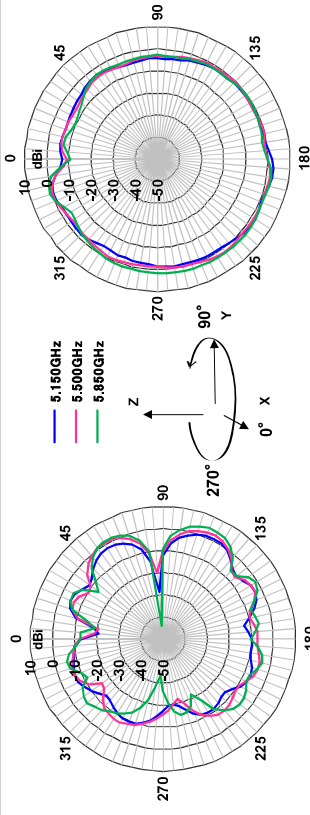
Horizontal Polarization

5.150GHz	5.500GHz	5.850GHz	
Average(dB)	-4.7	-5.2	-4.8
Maximum(dB)	2.0	2.0	3.3
Minimum(dB)	-32.7	-29.4	-33.7

Vertical Polarization

5.150GHz	5.500GHz	5.850GHz	
Average(dB)	-7.36	-6.78	-6.06
Maximum(dB)	-0.92	-0.59	-0.20
Minimum(dB)	-26.18	-27.24	-25.16

Y-Z PLANE



Horizontal Polarization

5.150GHz	5.500GHz	5.850GHz	
Average(dB)	-2.6	-2.5	-1.4
Maximum(dB)	1.9	2.3	3.7
Minimum(dB)	-27.2	-21.5	-24.4

Vertical Polarization

5.150GHz	5.500GHz	5.850GHz	
Average(dB)	-16.6	-15.4	-13.9
Maximum(dB)	-10.5	-9.9	-6.2
Minimum(dB)	-42.5	-32.0	-33.7

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