

▶ strictly confidential

Attracting Tomorrow

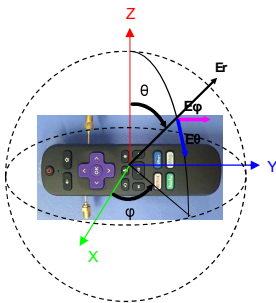


TDK Antenna Measurement

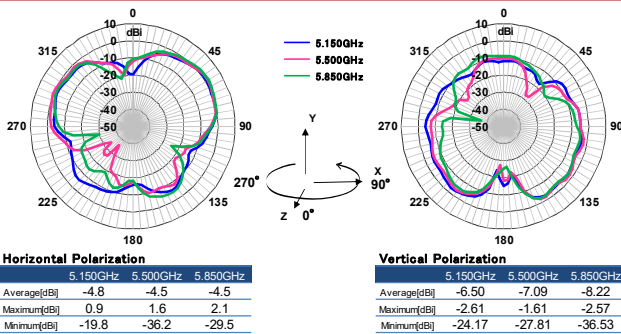
TDK Corporation
Communication Devices Business Group
Jan. 30th, 2020

Radiation Pattern (5GHz Band)

PRODUCT ORIENTATIONS

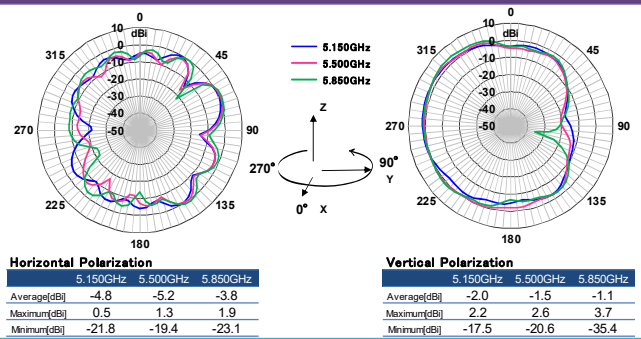


X-Z PLANE

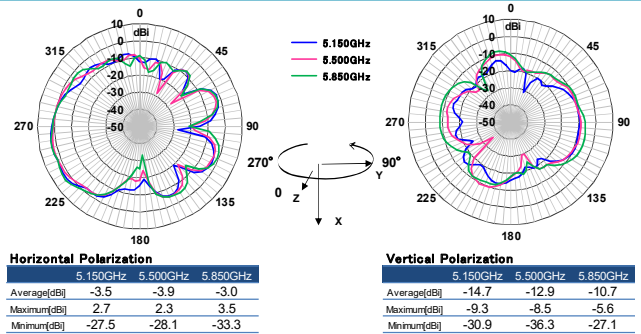


P1_initial_ELK2

X-Y PLANE



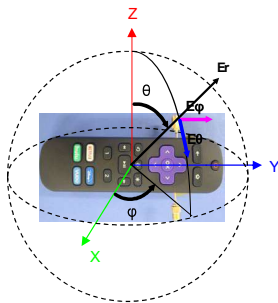
Y-Z PLANE



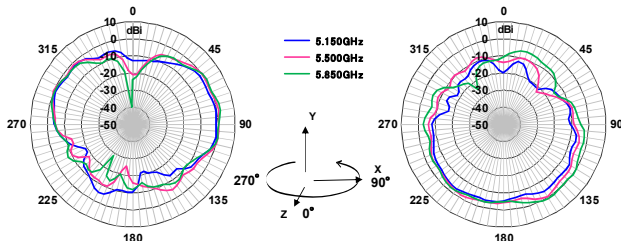
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Radiation Pattern (5GHz Band)

PRODUCT ORIENTATIONS



X-Z PLANE

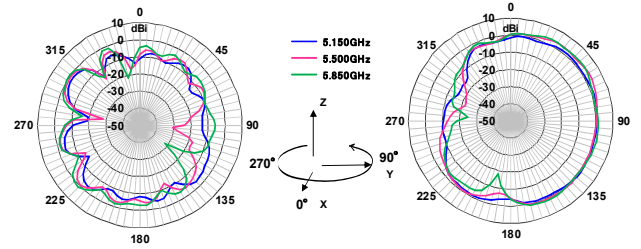


Horizontal Polarization			
	5.150GHz	5.500GHz	5.850GHz
Average[dB]	-5.0	-4.0	-4.3
Maximum[dB]	-0.5	1.0	2.1
Minimum[dB]	-21.5	-25.2	-39.5

Vertical Polarization			
	5.150GHz	5.500GHz	5.850GHz
Average[dB]	-7.80	-5.79	-4.25
Maximum[dB]	-3.19	-0.64	0.88
Minimum[dB]	-21.13	-22.91	-24.90

P2_initial_ELK3

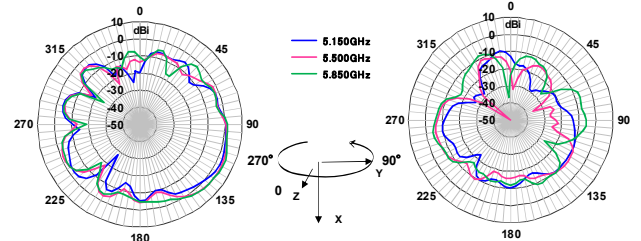
X-Y PLANE



Horizontal Polarization			
	5.150GHz	5.500GHz	5.850GHz
Average[dB]	-6.8	-6.0	-4.5
Maximum[dB]	-1.7	-0.6	1.2
Minimum[dB]	-19.3	-30.5	-31.9

Vertical Polarization			
	5.150GHz	5.500GHz	5.850GHz
Average[dB]	-1.6	-0.6	-0.7
Maximum[dB]	1.4	3.5	3.8
Minimum[dB]	-15.6	-22.1	-24.7

Y-Z PLANE



Horizontal Polarization			
	5.150GHz	5.500GHz	5.850GHz
Average[dB]	-4.0	-2.9	-2.4
Maximum[dB]	2.7	3.5	4.5
Minimum[dB]	-28.2	-23.5	-25.3

Vertical Polarization			
	5.150GHz	5.500GHz	5.850GHz
Average[dB]	-13.5	-12.1	-10.1
Maximum[dB]	-9.3	-5.3	-4.1
Minimum[dB]	-29.0	-50.8	-36.5

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