

► strictly confidential

Attracting Tomorrow

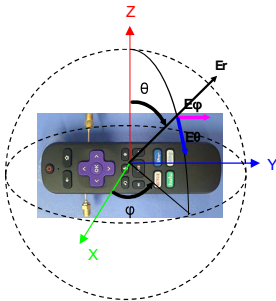


TDK Antenna Measurement

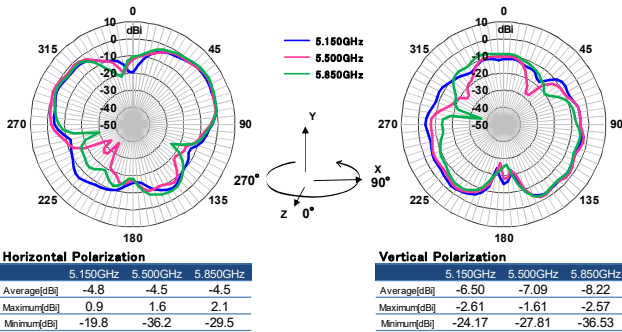
TDK Corporation
Communication Devices Business Group
Jan. 30th, 2020

Radiation Pattern (5GHz Band)

PRODUCT ORIENTATIONS



X-Z PLANE

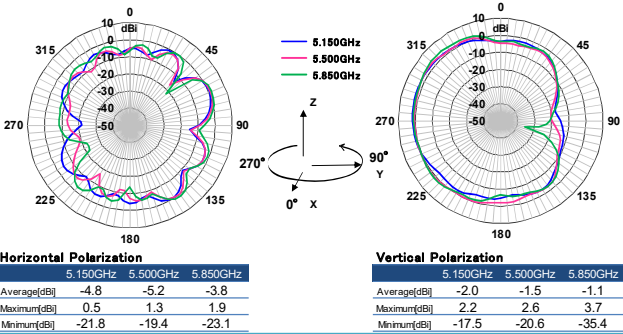


Horizontal Polarization			
	5.150GHz	5.500GHz	5.850GHz
Average[dB]	-4.8	-4.5	-4.5
Maximum[dB]	0.9	1.6	2.1
Minimum[dB]	-19.8	-36.2	-29.5

Vertical Polarization			
	5.150GHz	5.500GHz	5.850GHz
Average[dB]	-6.50	-7.09	-8.22
Maximum[dB]	-2.61	-1.61	-2.57
Minimum[dB]	-24.17	-27.81	-36.53

P1_initial_ELK2

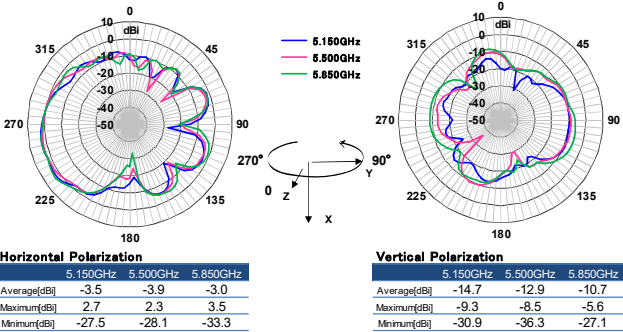
X-Y PLANE



Horizontal Polarization			
	5.150GHz	5.500GHz	5.850GHz
Average[dB]	-4.8	-5.2	-3.8
Maximum[dB]	0.5	1.3	1.9
Minimum[dB]	-21.8	-19.4	-23.1

Vertical Polarization			
	5.150GHz	5.500GHz	5.850GHz
Average[dB]	-2.0	-1.5	-1.1
Maximum[dB]	2.2	2.6	3.7
Minimum[dB]	-17.5	-20.6	-35.4

Y-Z PLANE



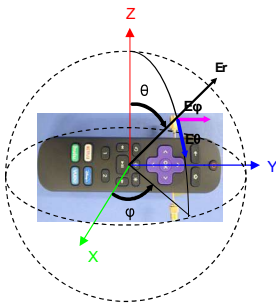
Horizontal Polarization			
	5.150GHz	5.500GHz	5.850GHz
Average[dB]	-3.5	-3.9	-3.0
Maximum[dB]	2.7	2.3	3.5
Minimum[dB]	-27.5	-28.1	-33.3

Vertical Polarization			
	5.150GHz	5.500GHz	5.850GHz
Average[dB]	-14.7	-12.9	-10.7
Maximum[dB]	-9.3	-8.5	-5.6
Minimum[dB]	-30.9	-36.3	-27.1

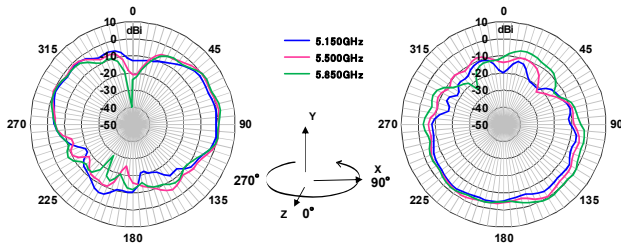
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Radiation Pattern (5GHz Band)

PRODUCT ORIENTATIONS



X-Z PLANE

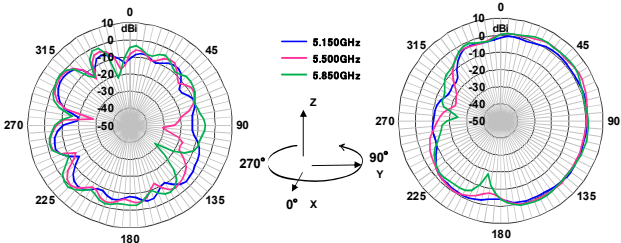


Horizontal Polarization			
	5.150GHz	5.500GHz	5.850GHz
Average[dB]	-5.0	-4.0	-4.3
Maximum[dB]	-0.5	1.0	2.1
Minimum[dB]	-21.5	-25.2	-39.5

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

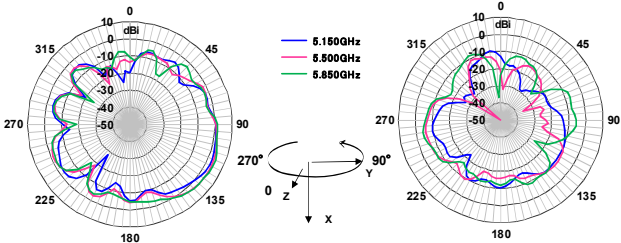
X-Y PLANE



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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