

MA-WO3860-MIMO

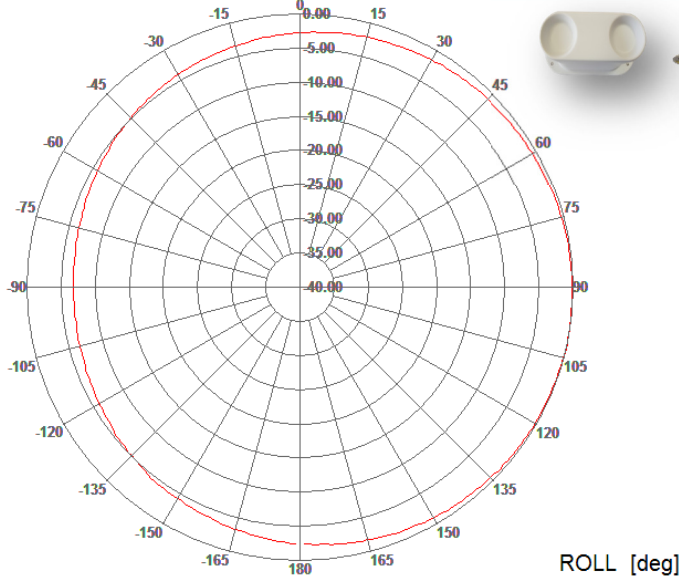
380-6000 MHz Ultra Wide Band OMNI Antenna

Vertical Polarization

Frequency: 380 MHz

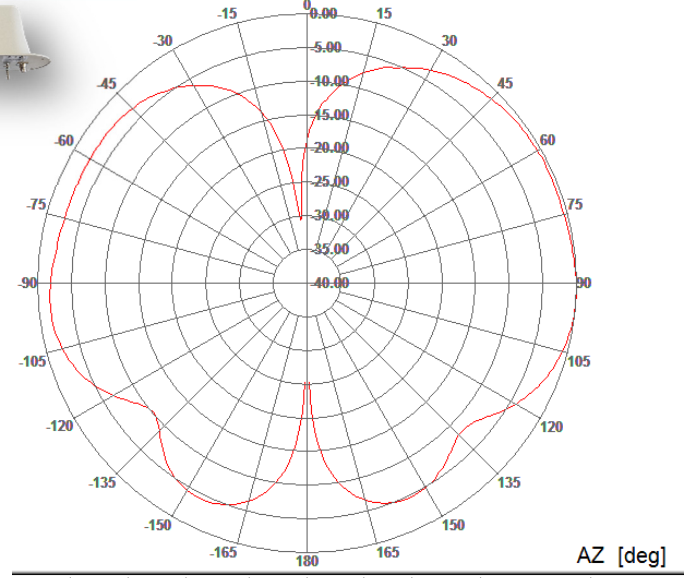
Gain (typ.): 2.24 dBi

Azimuth



ROLL [deg]	Beam Peak [dB]	Beam Width [deg]
Value	[deg]	Value
N/A		3.00

Elevation

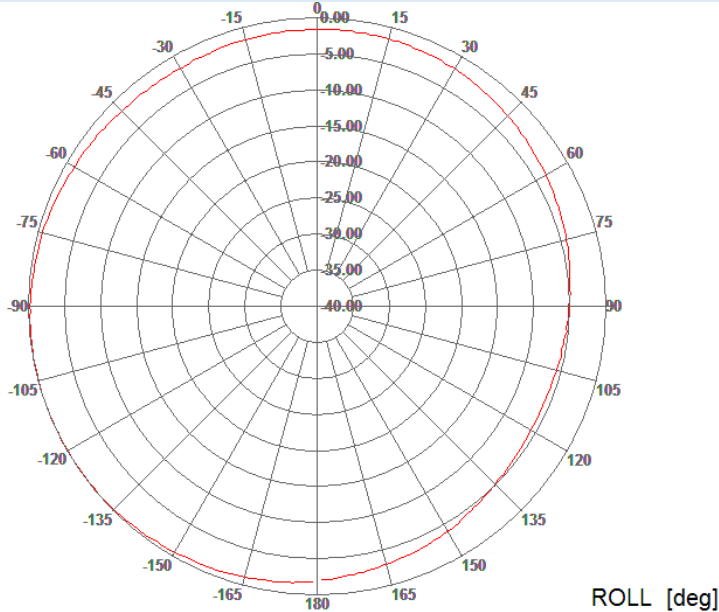


POL [deg]	Freq. [GHz]	ROLL [deg]	Ch.	Beam	Switch	Beam Peak [dB]	Beam Width [deg]
Value						Value	Value
P1 elev-CA	0.380 G	90.00000	CH1			83.85	3.00

Frequency: 450 MHz

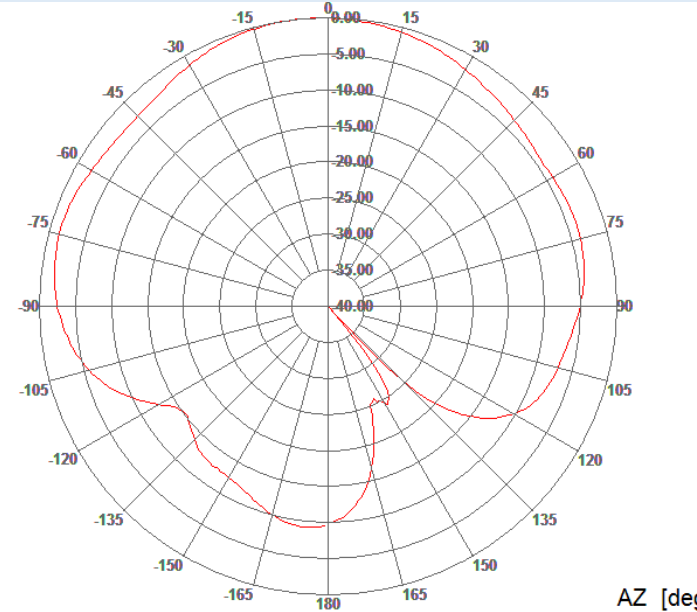
Gain (typ.): 2.5 dBi

Azimuth



ROLL [deg]	Beam Peak [dB]	Beam Width [deg]
Value	[deg]	Value
N/A		3.00

Elevation



POL [deg]	Freq. [GHz]	ROLL [deg]	Ch.	Beam	Switch	Beam Peak [dB]	Beam Width [deg]
Value						Value	Value
P1 elev-CA	0.450 G	0.00000	CH1			132.42	3.00

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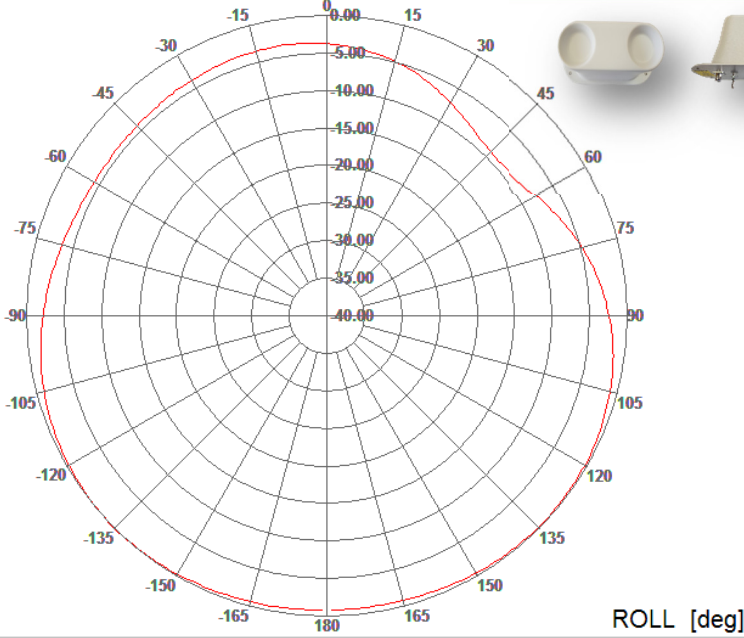
380-6000 MHz Ultra Wide Band OMNI Antenna

Vertical Polarization

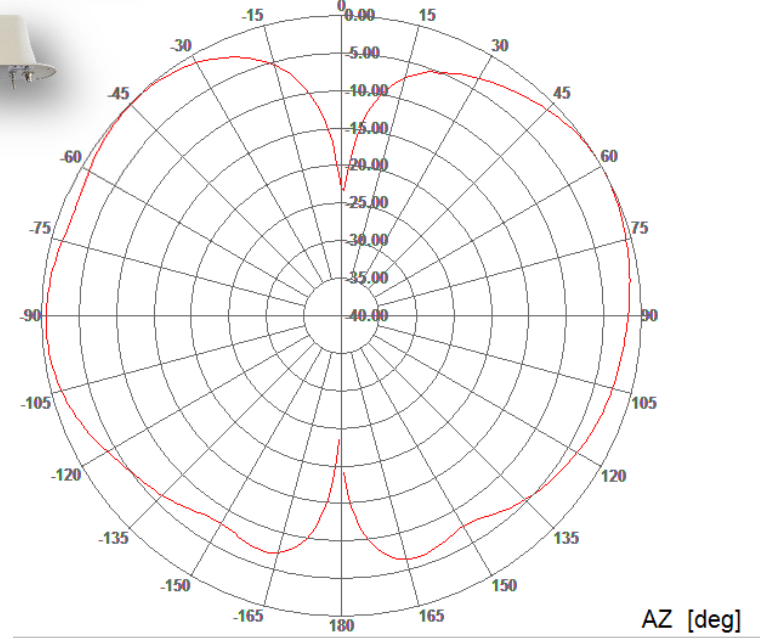
Frequency: 698 MHz

Gain (typ.): 3.2 dBi

Azimuth



Elevation



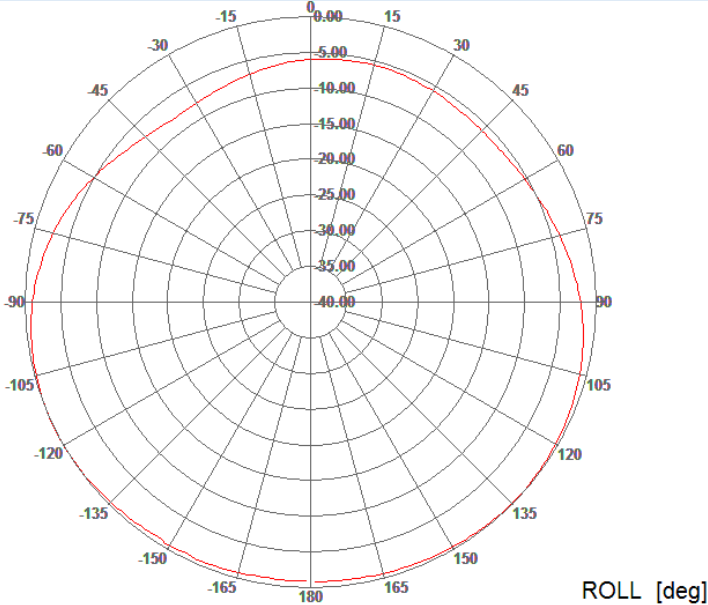
File	POL [deg]	Freq. [GHz]	AZ [deg]	Ch.	Beam	Switch	Beam Peak [dB]		Beam Width [deg]	
							Value	[deg]	Value	At dB
azim-file#1-	90.00	0.698 G	120.00000	CH1			N/A	3.00		

File	POL [deg]	Freq. [GHz]	ROLL [deg]	Ch.	Beam	Switch	Beam Peak [dB]		Beam Width [deg]	
							Value	[deg]	Value	At dB
P1 elev-CA	90.00	0.698 G	90.00000	CH1			79.68	3.00		

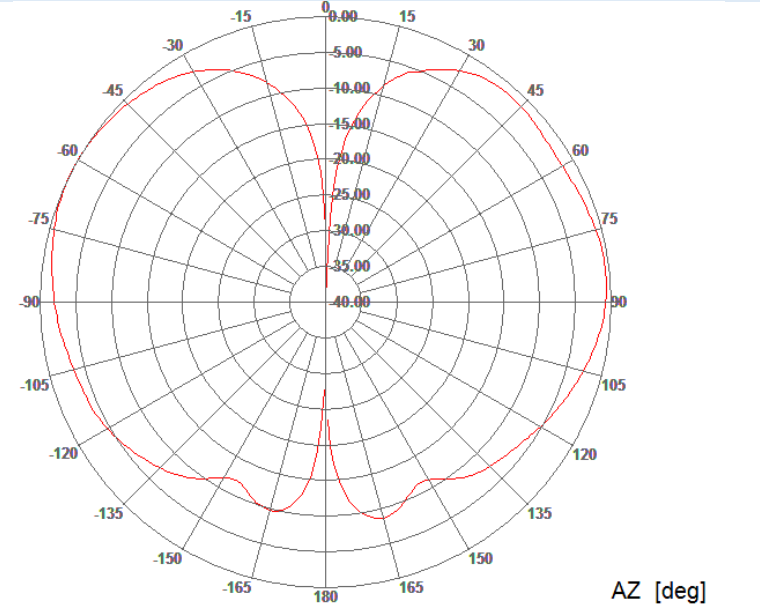
Frequency: 746 MHz

Gain (typ.): 3.54 dBi

Azimuth



Elevation



File	POL [deg]	Freq. [GHz]	AZ [deg]	Ch.	Beam	Switch	Beam Peak [dB]		Beam Width [deg]	
							Value	[deg]	Value	At dB
azim-file#1-C	90.00	0.746 G	-80.00000	CH1			N/A	3.00		

File	POL [deg]	Freq. [GHz]	ROLL [deg]	Ch.	Beam	Switch	Beam Peak [dB]		Beam Width [deg]	
							Value	[deg]	Value	At dB
P1 elev-CA	90.00	0.746 G	90.00000	CH1			70.59	3.00		

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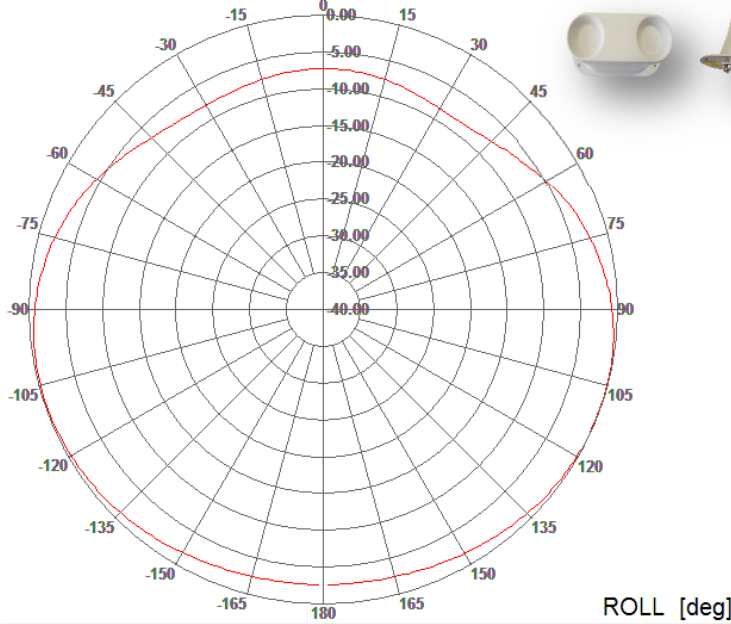
380-6000 MHz Ultra Wide Band OMNI Antenna

Vertical Polarization

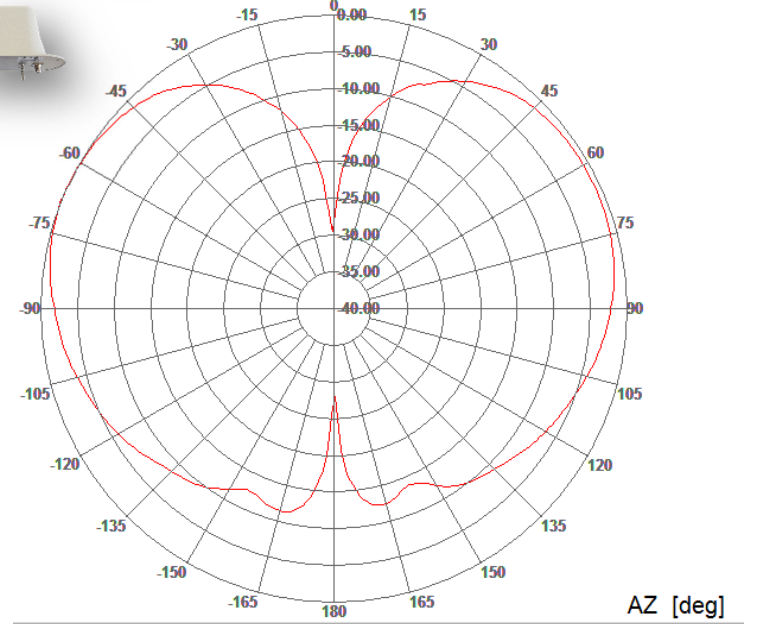
Frequency: 850 MHz

Gain (typ.): 3.88 dBi

Azimuth



Elevation



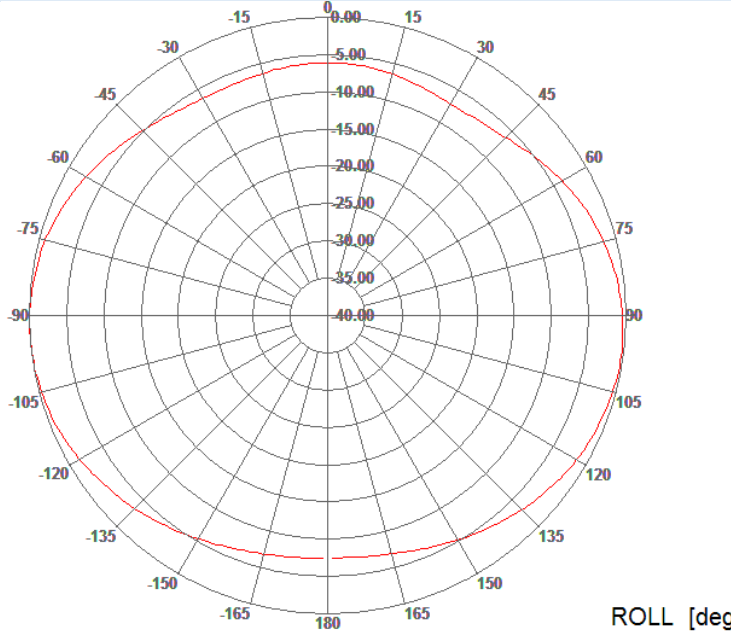
POL	Freq.	AZ	Ch.	Beam	Switch	Beam Peak [dB]		Beam Width [deg]	
						Value	[deg]	Value	At dB
90.00	0.850 G	-80.00000	CH1			N/A		3.00	

POL	Freq.	ROLL	Ch.	Beam	Switch	Beam Peak [dB]		Beam Width [deg]	
						Value	[deg]	Value	At dB
90.00	0.850 G	90.00000	CH1			83.91		3.00	

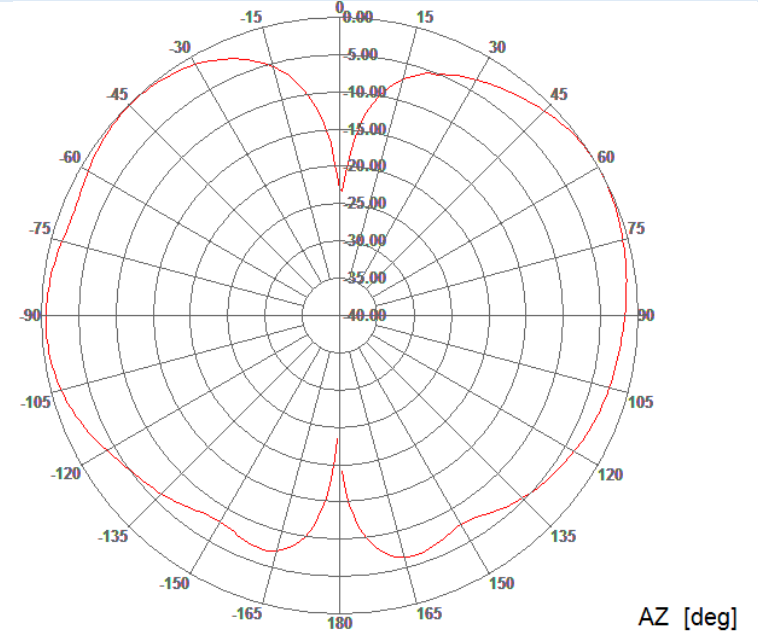
Frequency: 960 MHz

Gain (typ.): 5.39 dBi

Azimuth



Elevation



POL	Freq.	AZ	Ch.	Beam	Switch	Beam Peak [dB]		Beam Width [deg]	
						Value	[deg]	Value	At dB
90.00	0.960 G	-80.00000	CH1			74.07		3.00	

POL	Freq.	ROLL	Ch.	Beam	Switch	Beam Peak [dB]		Beam Width [deg]	
						Value	[deg]	Value	At dB
90.00	0.960 G	90.00000	CH1			79.88		3.00	

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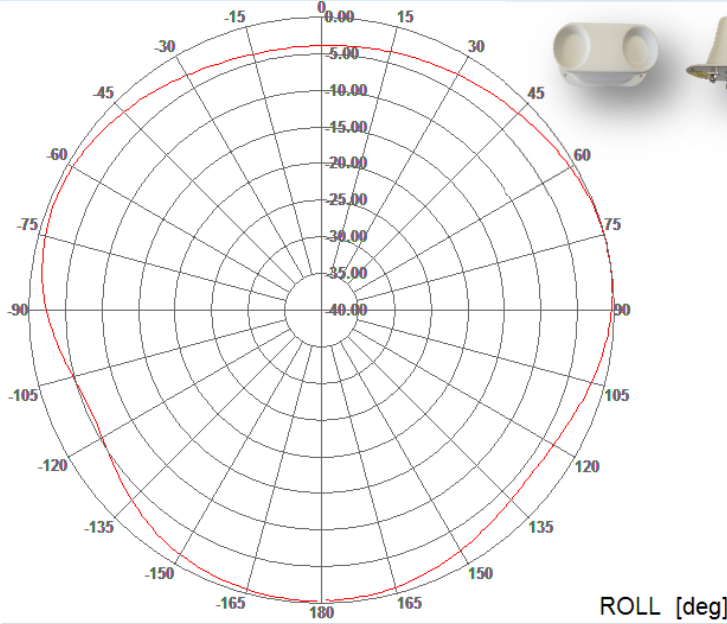
380-6000 MHz Ultra Wide Band OMNI Antenna

Vertical Polarization

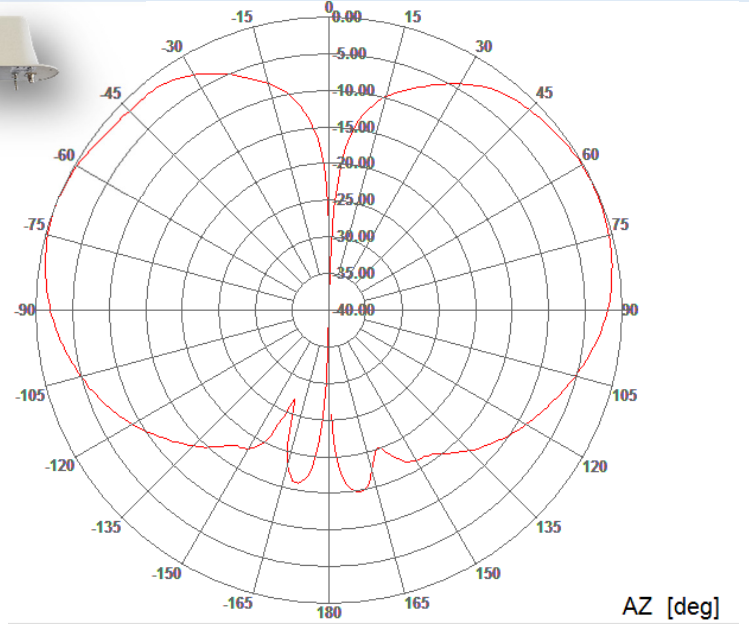
Frequency: 1200 MHz

Gain (typ.): 5.57 dBi

Azimuth



Elevation



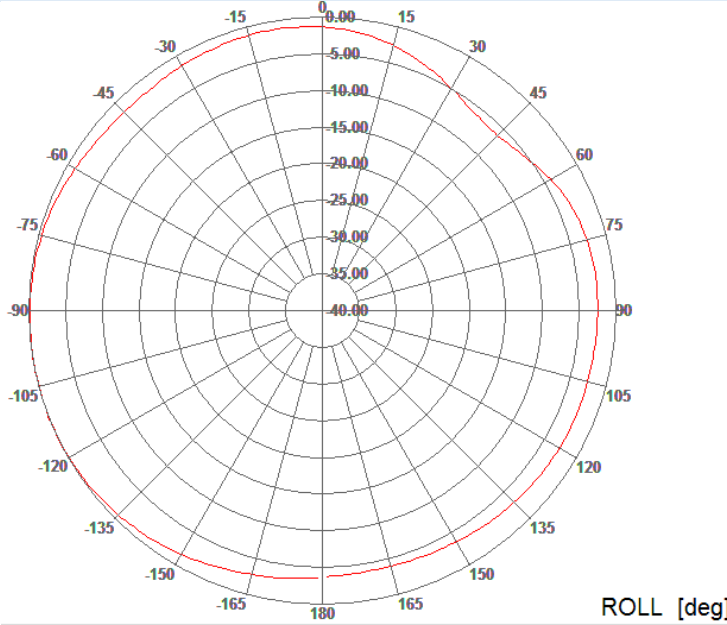
	Freq. [GHz]	AZ [deg]	Ch.	Beam	Switch	Beam Peak [dB]		Beam Width [deg]	
						Value	[deg]	Value	At dB
1 azim-CAL	1.200 G	80.00000	CH1			87.98		3.00	

	POL [deg]	Freq. [GHz]	ROLL [deg]	Ch.	Beam	Switch	Beam Peak [dB]		Beam Width [deg]	
							Value	[deg]	Value	At dB
elevat-CAL	90.00	1.200 G	90.00000	CH1			65.93		3.00	

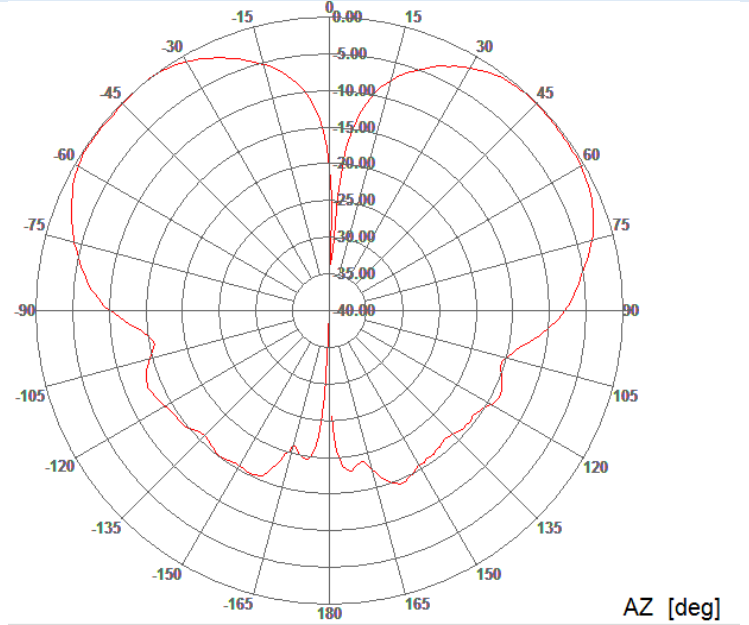
Frequency: 1600 MHz

Gain (typ.): 5.94 dBi

Azimuth



Elevation



	Freq. [GHz]	AZ [deg]	Ch.	Beam	Switch	Beam Peak [dB]		Beam Width [deg]	
						Value	[deg]	Value	At dB
1 azim-CAL	1.600 G	55.00000	CH1			188.05		3.00	

	POL [deg]	Freq. [GHz]	ROLL [deg]	Ch.	Beam	Switch	Beam Peak [dB]		Beam Width [deg]	
							Value	[deg]	Value	At dB
elevat-CAL	90.00	1.600 G	90.00000	CH1			49.68		3.00	

MA-WO3860-MIMO

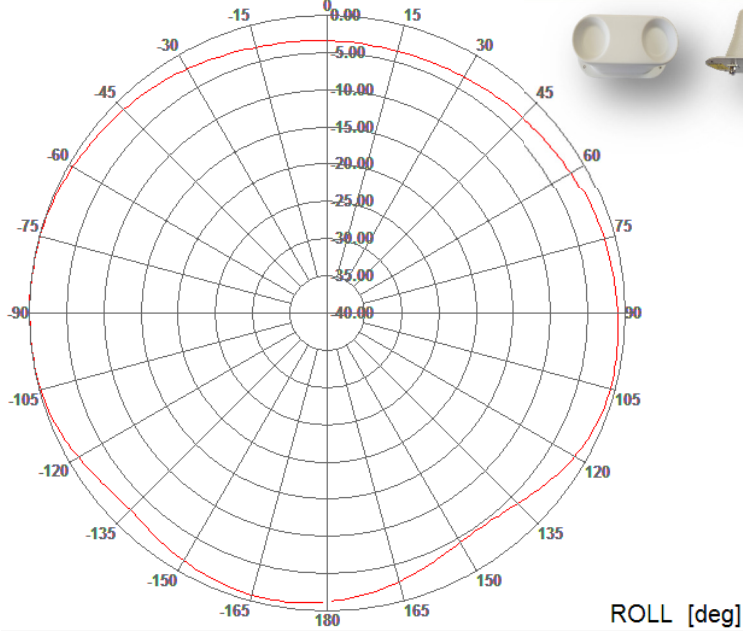
380-6000 MHz Ultra Wide Band OMNI Antenna

Vertical Polarization

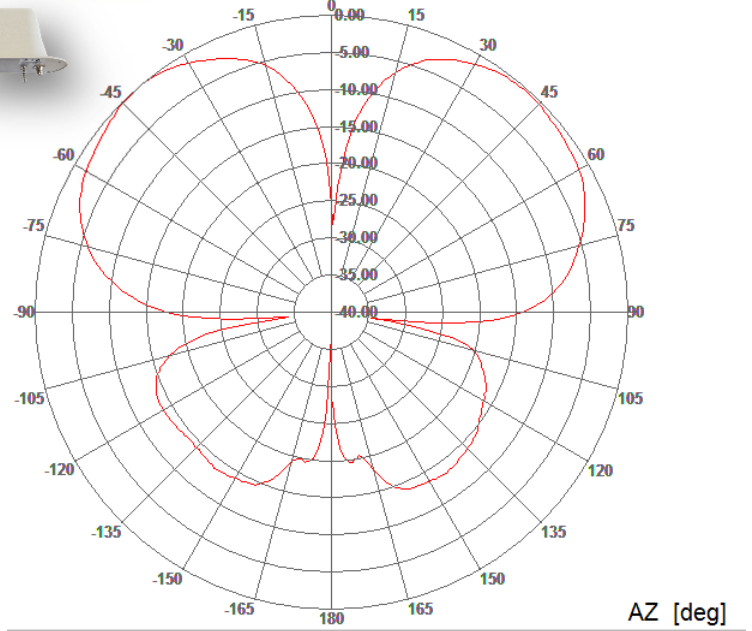
Frequency: 1700 MHz

Gain (typ.): 6.11 dBi

Azimuth



Elevation



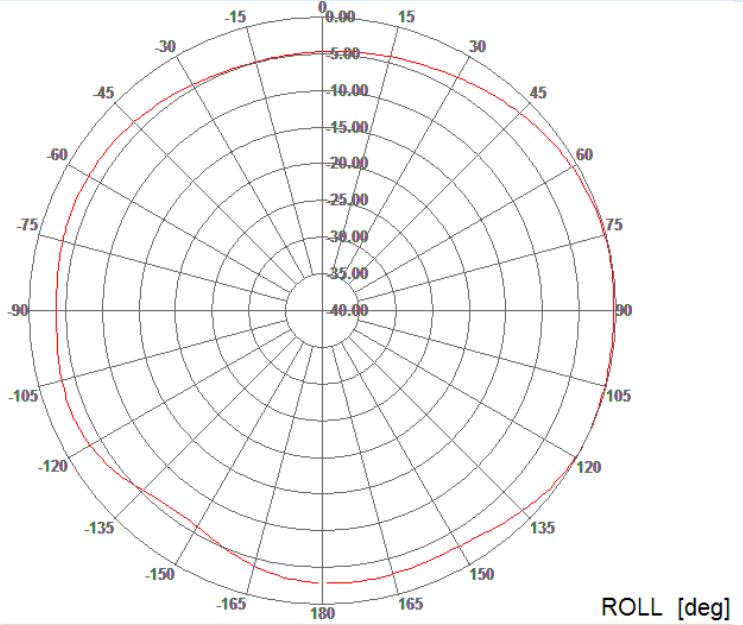
File	Freq. [GHz]	AZ [deg]	Ch.	Beam	Switch	Beam Peak [dB]	Beam Width [deg]
azim-file#1-C	1.700 G	-55.00000	CH1			Value [deg]	N/A 3.00

File	Freq. [GHz]	ROLL [deg]	Ch.	Beam	Switch	Beam Peak [dB]	Beam Width [deg]
elevat-CAL	1.700 G	90.00000	CH1			Value [deg]	43.88 3.00

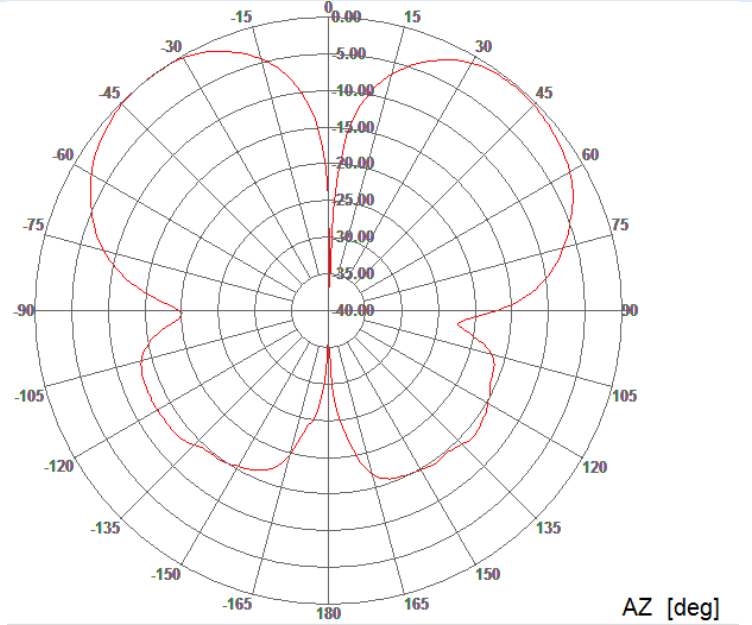
Frequency: 1900 MHz

Gain (typ.): 6.75 dBi

Azimuth



Elevation



File	Freq. [GHz]	AZ [deg]	Ch.	Beam	Switch	Beam Peak [dB]	Beam Width [deg]
azim-file#1-C	1.900 G	-50.00000	CH1			Value [deg]	N/A 3.00

File	Freq. [GHz]	ROLL [deg]	Ch.	Beam	Switch	Beam Peak [dB]	Beam Width [deg]
elevat-CAL	1.900 G	90.00000	CH1			Value [deg]	42.27 3.00

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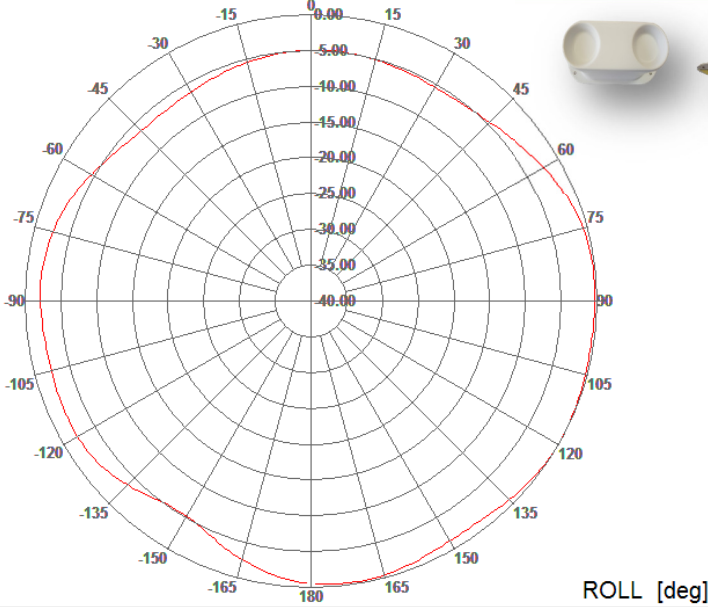
380-6000 MHz Ultra Wide Band OMNI Antenna

Vertical Polarization

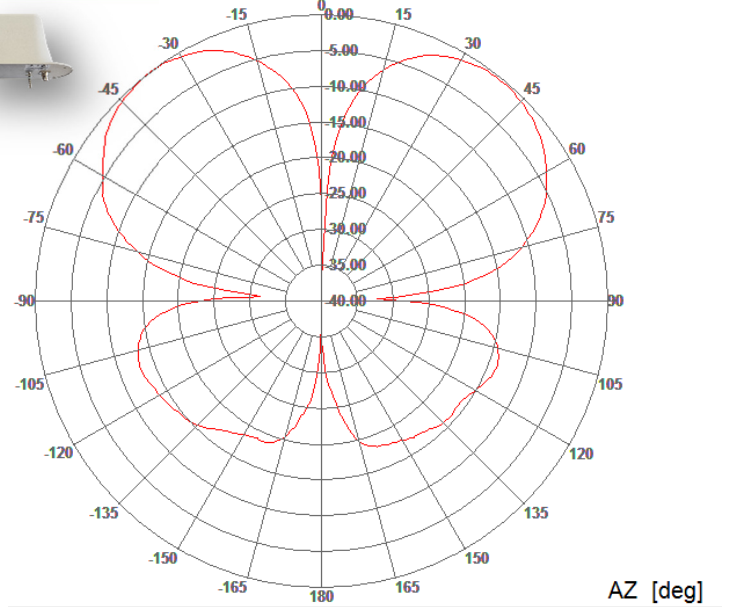
Frequency: 2100 MHz

Gain (typ.): 7.42 dBi

Azimuth



Elevation



ROLL [deg]

AZ [deg]

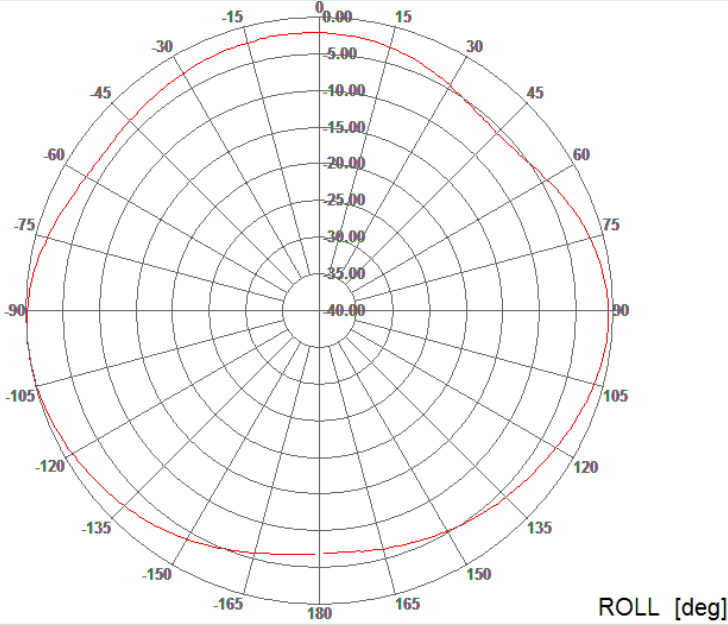
File	Freq. [GHz]	AZ [deg]	Ch.	Beam	Switch	Beam Peak [dB]	Beam Width [deg]
izim-file#1-C	2.100 G	-55.00000	CH1			Value [deg]	N/A 3.00

File	Freq. [GHz]	ROLL [deg]	Ch.	Beam	Switch	Beam Peak [dB]	Beam Width [deg]
elevat-CAL	2.100 G	90.00000	CH1			Value [deg]	35.37 3.00

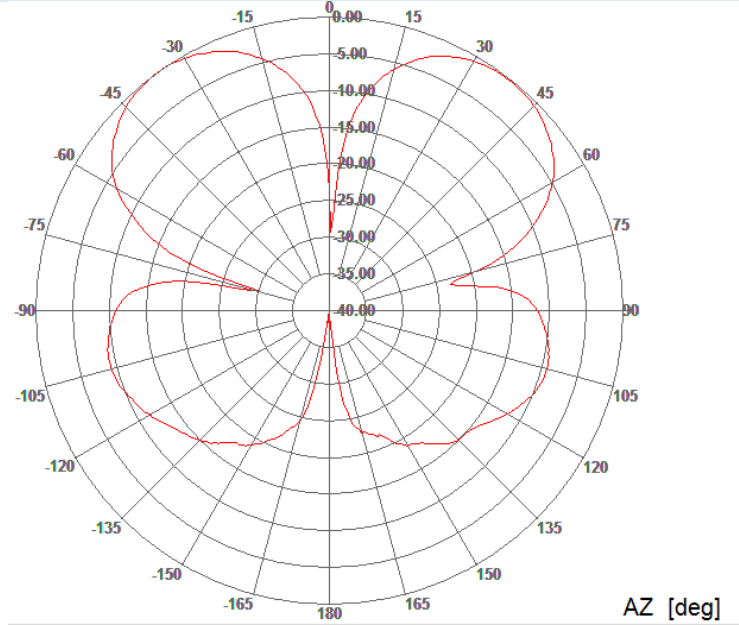
Frequency: 2300 MHz

Gain (typ.): 7.1 dBi

Azimuth



Elevation



ROLL [deg]

AZ [deg]

File	Freq. [GHz]	AZ [deg]	Ch.	Beam	Switch	Beam Peak [dB]	Beam Width [deg]
izim-file#1-C	2.300 G	-35.00000	CH1			Value [deg]	77.00 3.00

File	Freq. [GHz]	ROLL [deg]	Ch.	Beam	Switch	Beam Peak [dB]	Beam Width [deg]
elevat-CAL	2.300 G	90.00000	CH1			Value [deg]	34.42 3.00

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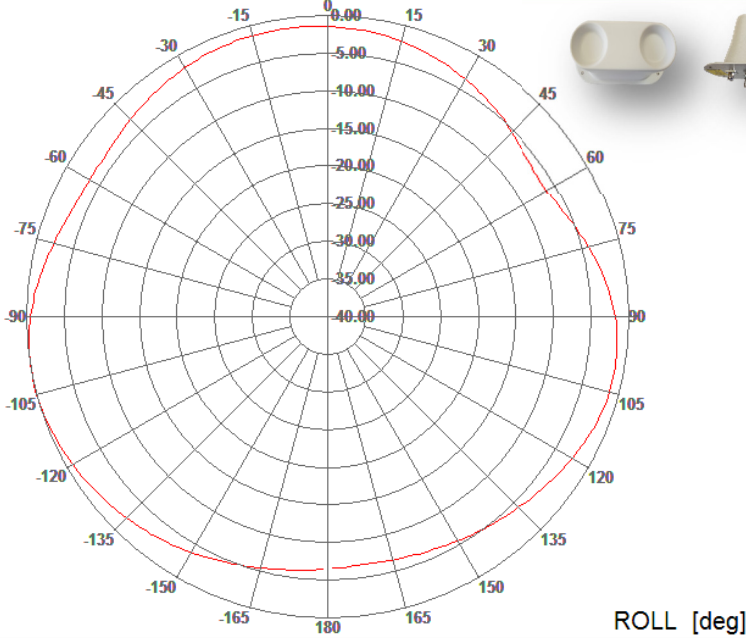
380-6000 MHz Ultra Wide Band OMNI Antenna

Vertical Polarization

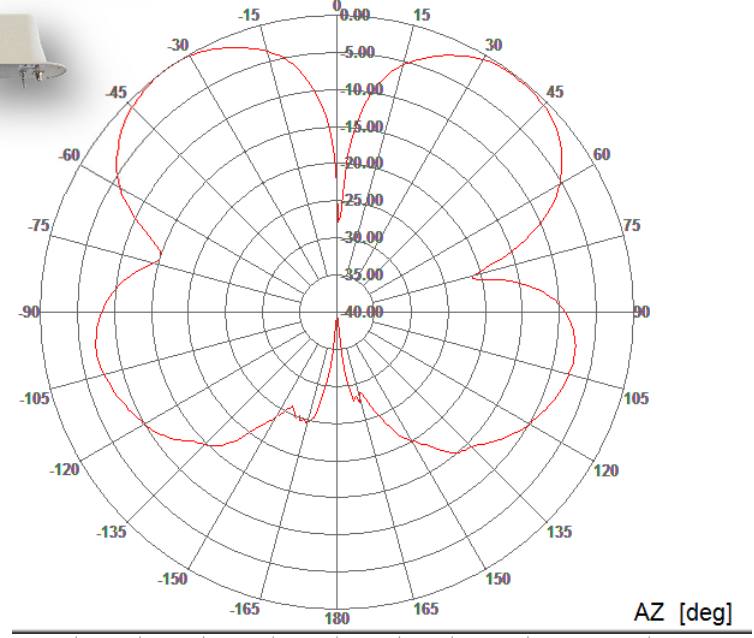
Frequency: 2400 MHz

Gain (typ.): 7.17 dBi

Azimuth



Elevation



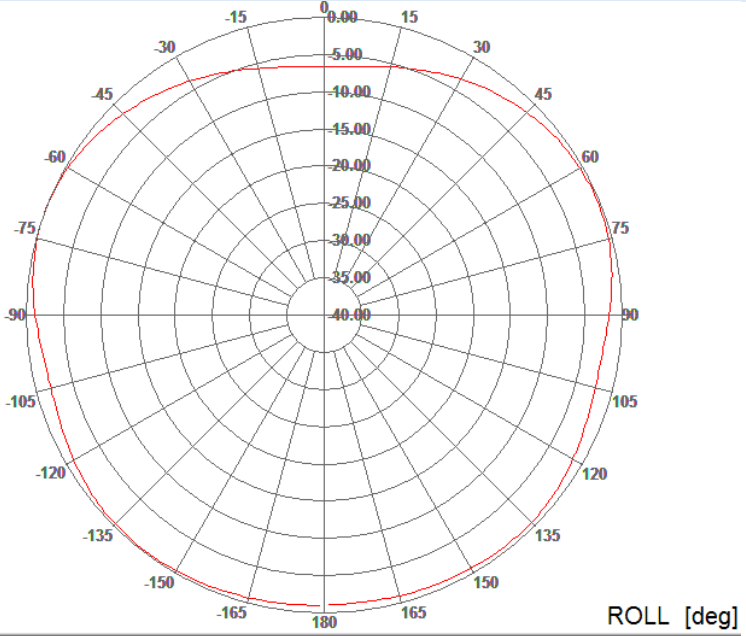
	Freq. [GHz]	AZ [deg]	Ch.	Beam	Switch	Beam Peak [dB]		Beam Width [deg]	
						Value	[deg]	Value	At dB
azim-file#1-C	2.400 G	-35.00000	CH1					73.53	3.00

	Freq. [GHz]	ROLL [deg]	Ch.	Beam	Switch	Beam Peak [dB]		Beam Width [deg]	
						Value	[deg]	Value	At dB
elevat-CAL	2.400 G	90.00000	CH1					36.03	3.00

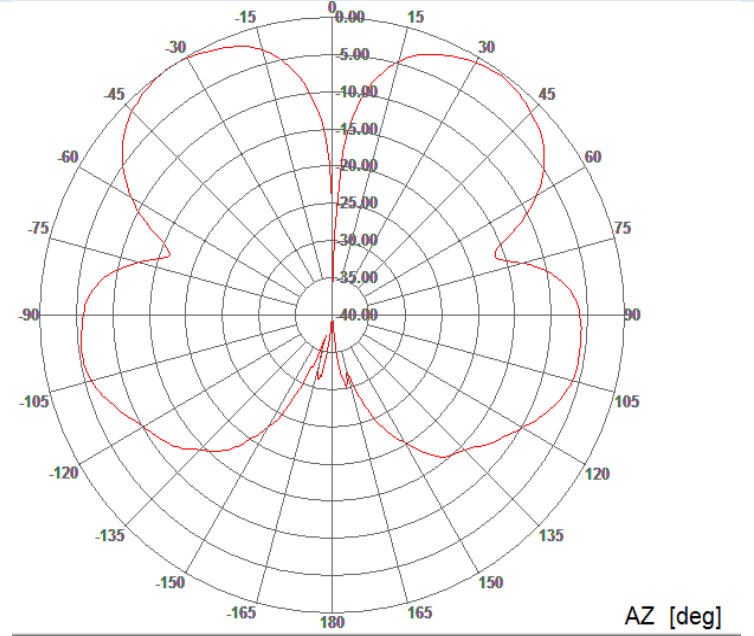
Frequency: 2500 MHz

Gain (typ.): 7.42 dBi

Azimuth



Elevation



	Freq. [GHz]	AZ [deg]	Ch.	Beam	Switch	Beam Peak [dB]		Beam Width [deg]	
						Value	[deg]	Value	At dB
1 azim-CAL	2.500 G	35.00000	CH1					N/A	3.00

	Freq. [GHz]	ROLL [deg]	Ch.	Beam	Switch	Beam Peak [dB]		Beam Width [deg]	
						Value	[deg]	Value	At dB
elevat-CAL	2.500 G	90.00000	CH1					35.21	3.00

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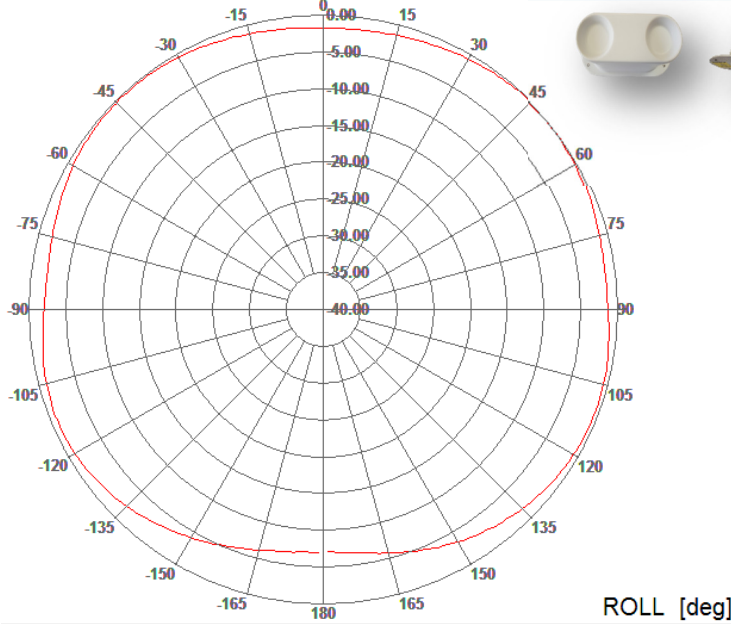
380-6000 MHz Ultra Wide Band OMNI Antenna

Vertical Polarization

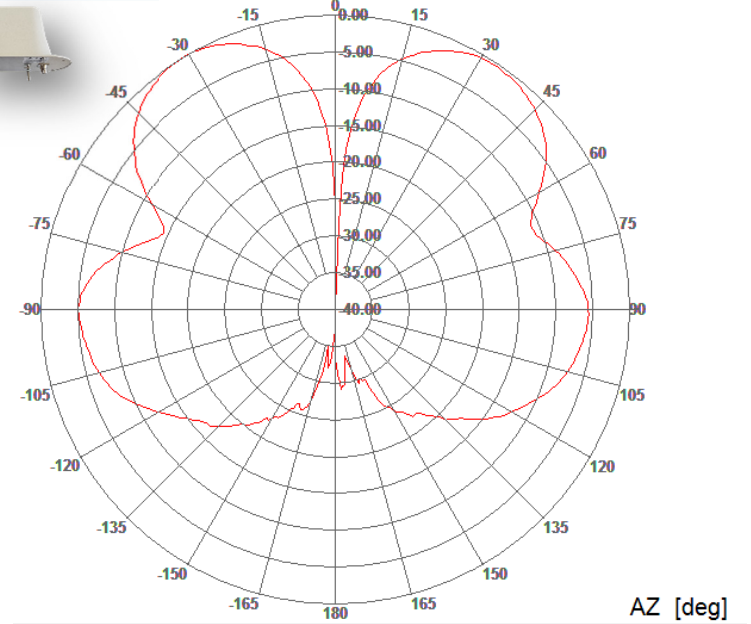
Frequency: 2700 MHz

Gain (typ.): 8 dBi

Azimuth



Elevation



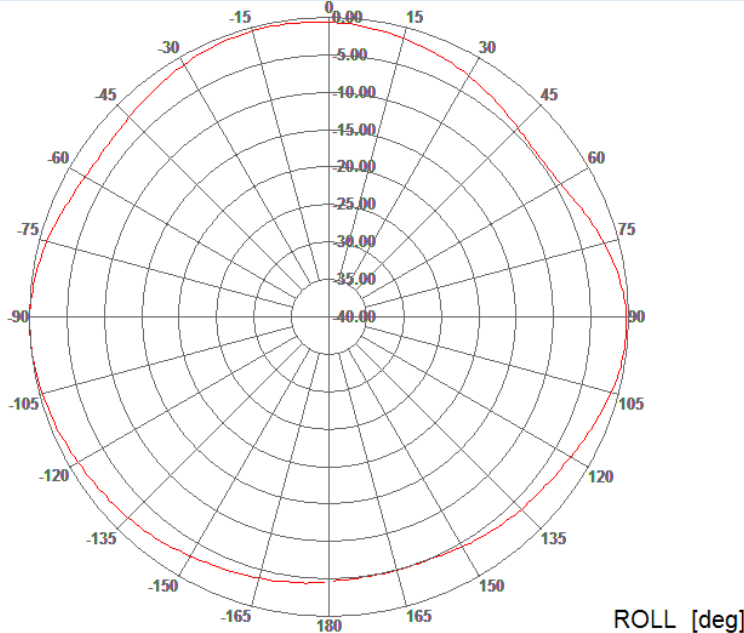
	Freq. [GHz]	AZ [deg]	Ch.	Beam	Switch	Beam Peak [dB]		Beam Width [deg]	
						Value	[deg]	Value	At dB
azim-file#1-C	2.700 G	-30.00000	CH1			28.88		3.00	

	Freq. [GHz]	ROLL [deg]	Ch.	Beam	Switch	Beam Peak [dB]		Beam Width [deg]	
						Value	[deg]	Value	At dB
elevat-CAL	2.700 G	90.00000	CH1			31.37		3.00	

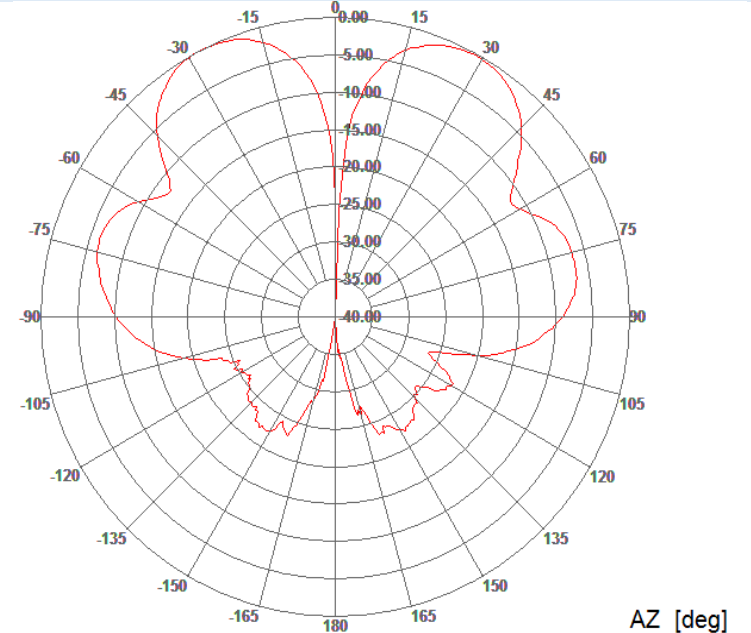
Frequency: 3300 MHz

Gain (typ.): 7.7 dBi

Azimuth



Elevation



	Freq. [GHz]	AZ [deg]	Ch.	Beam	Switch	Beam Peak [dB]		Beam Width [deg]	
						Value	[deg]	Value	At dB
azim-CAL	3.300 G	-32.00000	CH1			18.71		3.00	

	Freq. [GHz]	ROLL [deg]	Ch.	Beam	Switch	Beam Peak [dB]		Beam Width [deg]	
						Value	[deg]	Value	At dB
elevat-CAL	3.300 G	90.00000	CH1			27.49		3.00	

MA-WO3860-MIMO

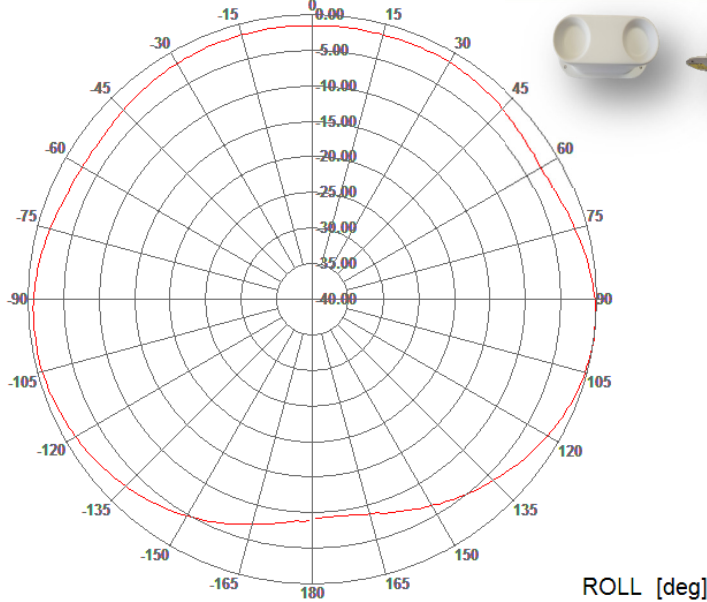
380-6000 MHz Ultra Wide Band OMNI Antenna

Vertical Polarization

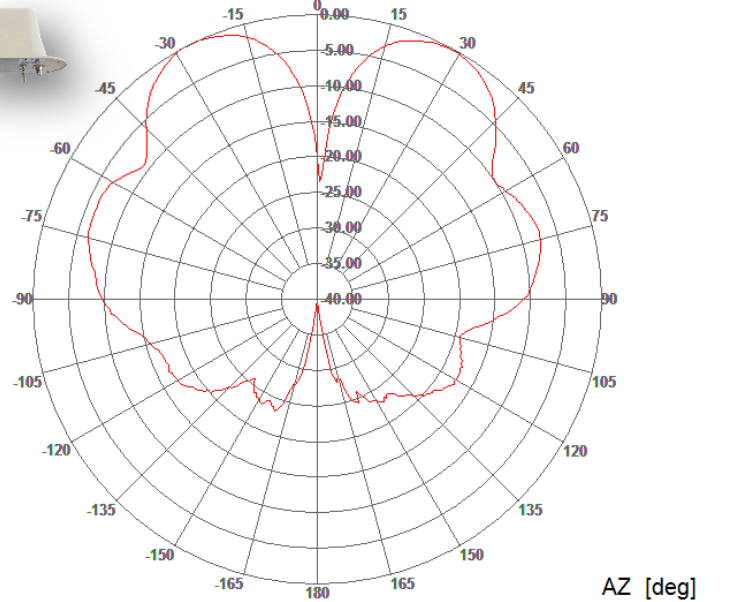
Frequency: 3500 MHz

Gain (typ.): 8 dBi

Azimuth



Elevation



	ROLL [deg]	Beam Peak [dB]	Beam Width [deg]		
	Value	[deg]	Value At dB		
azim-CAL	3.500 G	-25.00000	CH1	265.28	3.00

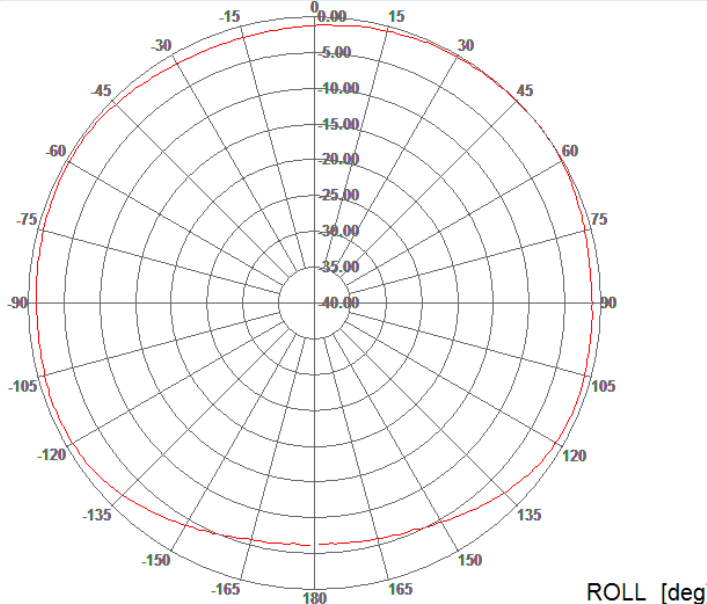
	ROLL [deg]	Beam Peak [dB]	Beam Width [deg]		
	Value	[deg]	Value At dB		
elevat-CAL	3.500 G	90.00000	CH1	27.03	3.00



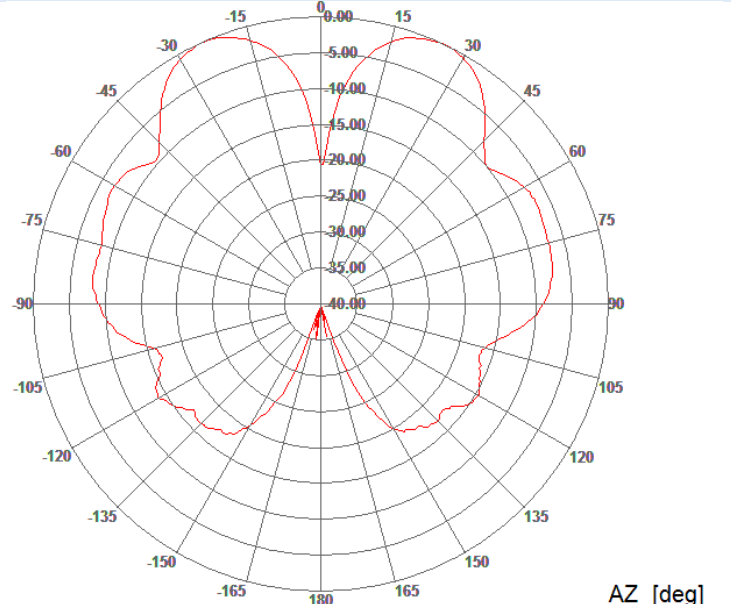
Frequency: 3800 MHz

Gain (typ.): 7.91 dBi

Azimuth



Elevation



	ROLL [deg]	Beam Peak [dB]	Beam Width [deg]		
	Value	[deg]	Value At dB		
azim-CAL	3.800 G	-25.00000	CH1	280.73	3.00

	ROLL [deg]	Beam Peak [dB]	Beam Width [deg]		
	Value	[deg]	Value At dB		
elevat-CAL	3.800 G	90.00000	CH1	23.88	3.00

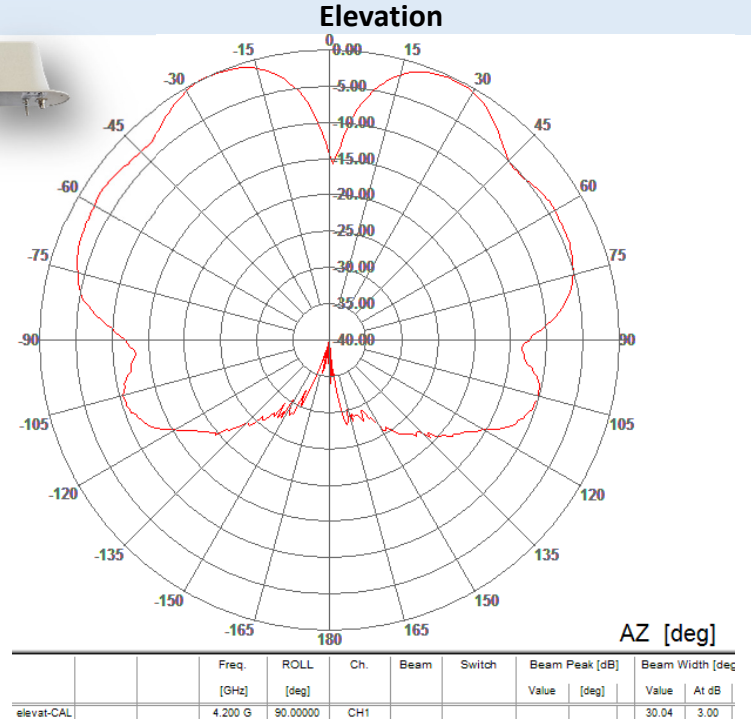
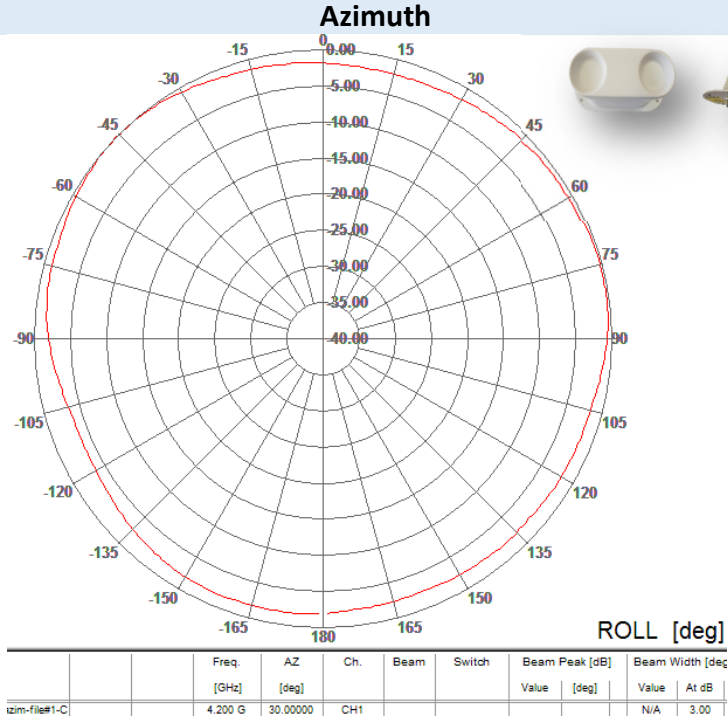
MA-WO3860-MIMO

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Vertical Polarization

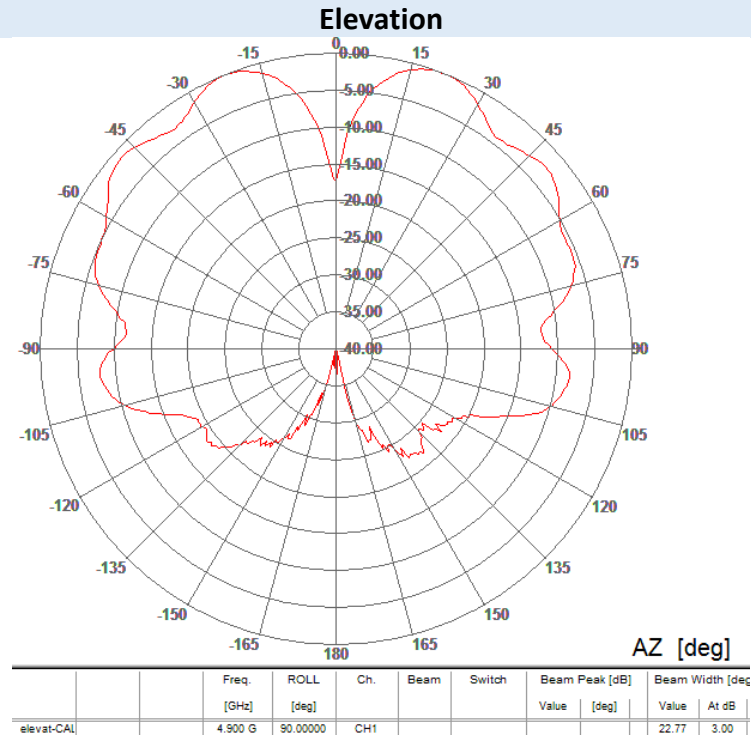
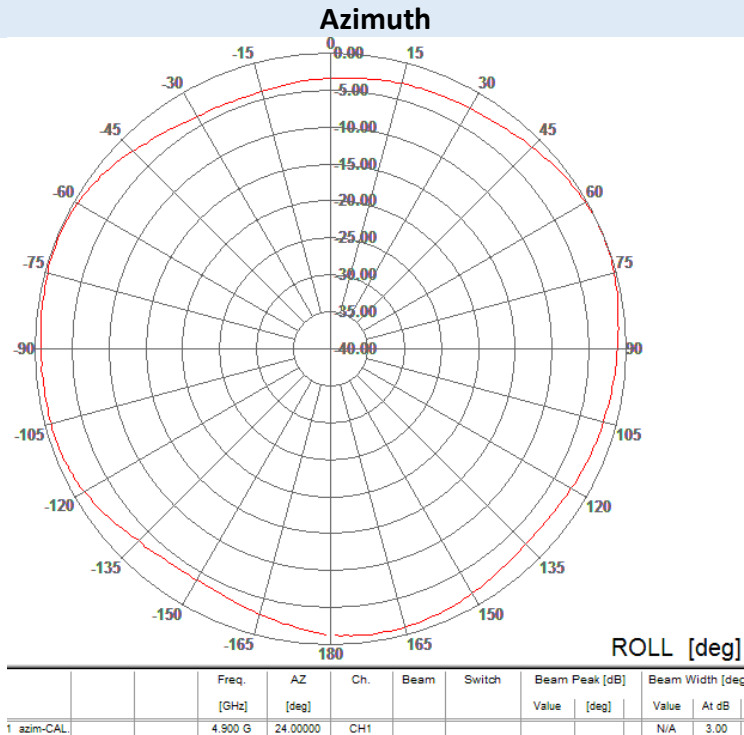
Frequency: 4200 MHz

Gain (typ.): 7.9 dBi



Frequency: 4900 MHz

Gain (typ.): 7.27 dBi



MA-WO3860-MIMO

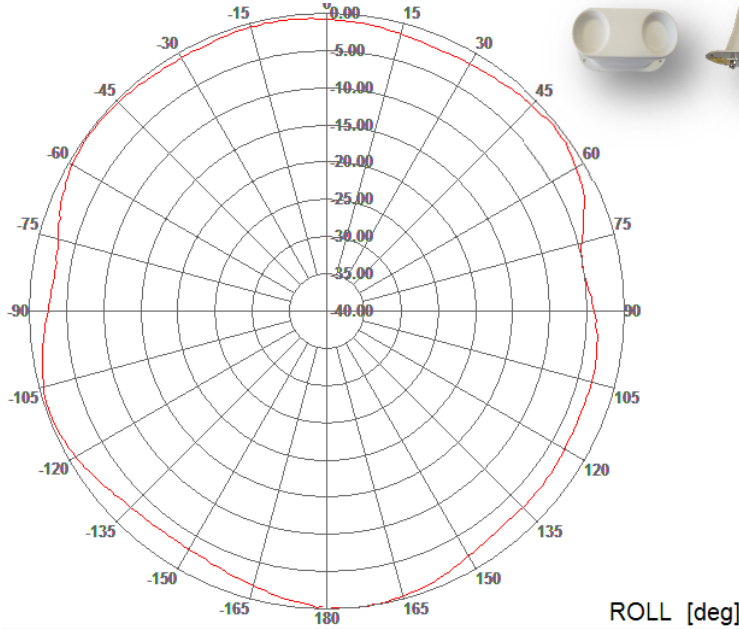
380-6000 MHz Ultra Wide Band OMNI Antenna

Vertical Polarization

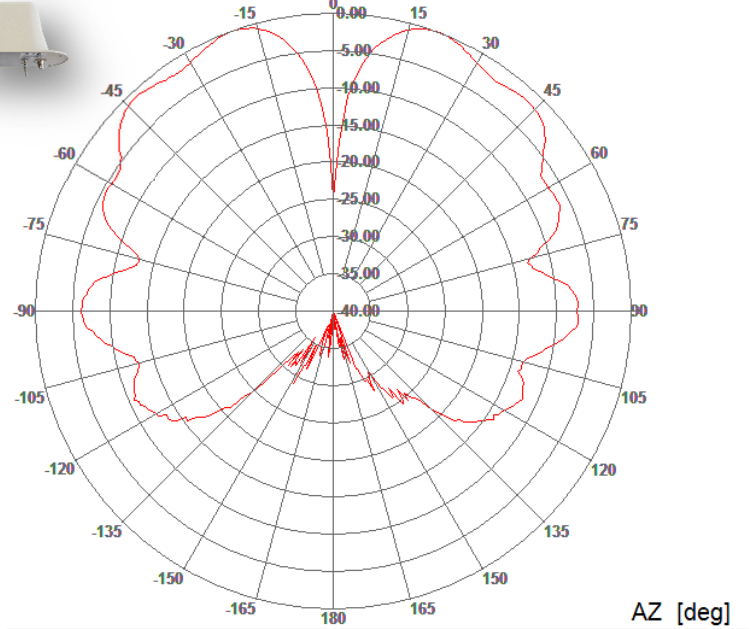
Frequency: 5500 MHz

Gain (typ.): 7.8 dBi

Azimuth



Elevation



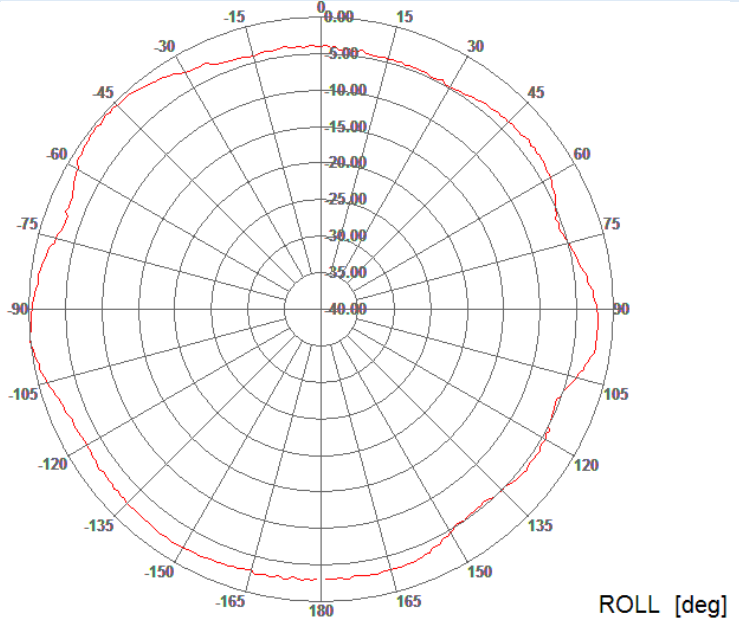
File	Freq. [GHz]	AZ [deg]	Ch.	Beam	Switch	Beam Peak [dB]	Beam Width [deg]
azim-file#2-C	5.500 G	34.00000	CH1			0.00	3.00

File	Freq. [GHz]	ROLL [deg]	Ch.	Beam	Switch	Beam Peak [dB]	Beam Width [deg]
elevat-CAI	5.500 G	90.00000	CH1			0.00	3.00

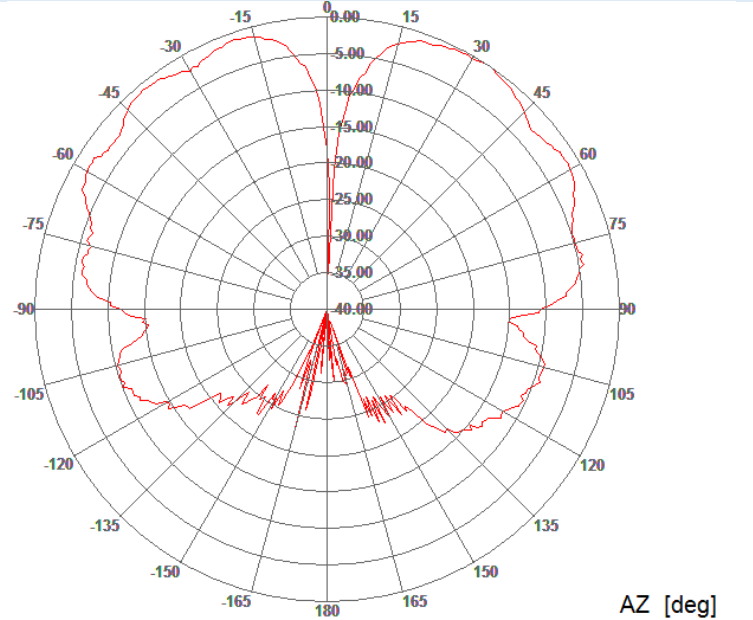
Frequency: 6000 MHz

Gain (typ.): 8.68 dBi

Azimuth



Elevation



File	Freq. [GHz]	AZ [deg]	Ch.	Beam	Switch	Beam Peak [dB]	Beam Width [deg]
azim-file#1-C	6.000 G	40.00000	CH1			0.00	3.00

File	Freq. [GHz]	ROLL [deg]	Ch.	Beam	Switch	Beam Peak [dB]	Beam Width [deg]
elevat-CAI	6.000 G	90.00000	CH1			0.00	3.00