

QuMax for DIGI EX50

INTEGRATED MULTI-BAND 5G/LTE DIRECTIONAL ANTENNA + PLACE TO INSTALL DIGI EX50 (ALL-IN-ONE)

QuMax antenna for DIGI EX50 router is a perfect outdoor device for improving the signal in rural/suburban and locations where the mobile signal is weak. It has embedded directional 5G/LTE antennas. If you use EX50 with QuMax antenna, you get an integrated complete solution with embedded router and multi band antennas in one enclosure.



OUTDOOR ANTENNA WORKS IN **ANY WEATHER CONDITIONS**, IP68



MOUNTING SYSTEM WITH TWO PLANES, 60 DEGREES REGULATION



ANTENNA PERFECTLY MATCHED WITH THE DIGI EX50



ALL ANTENNAS AND DIGI ROUTER INTEGRATED IN ONE ENCLOSURE



MADE IN **EUROPE**



5G/LTE ANTENNA SPECIFICATION

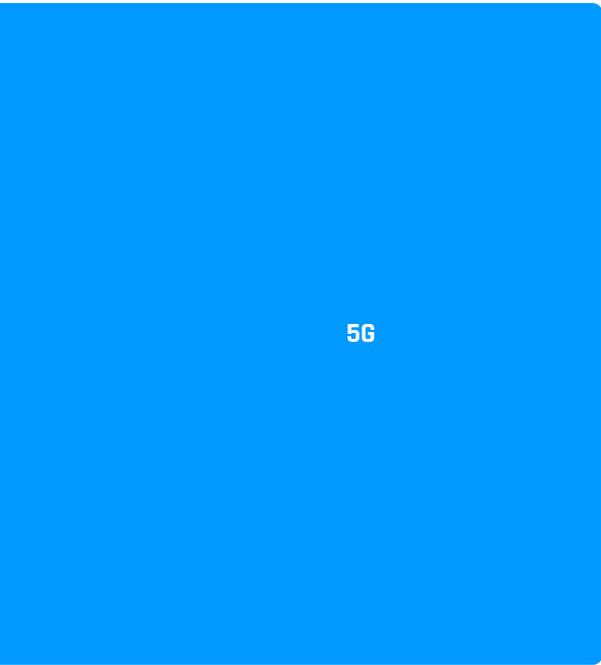
FREQUENCY	0.617 - 0.96 GHz 1.7 - 2.7 GHz 3.3 - 4.6 GHz 4.7 - 6.0 GHz
SUPPORTED LTE BANDS	1, 2, 3, 4, 5, 7, 8, 9, 10, 12, 13, 14, 17, 18, 19, 20, 22, 25, 26, 27, 28, 29, 30, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 46, 47, 48, 49, 52, 53, 65, 66, 67, 68, 69, 71, 85, 103, 106
SUPPORTED 5G BANDS	n1, n2, n3, n5, n7, n8, n12, n13, n14, n18, n20, n25, n26, n28, n29, n30, n34, n38, n39, n40, n41, n46, n47, n48, n53, n65, n66, n67, n71, n77, n78, n80, n81, n82, n83, n84, n85, n86, n89, n90, n95, n97, n98, n100, n101, n256
GAIN	0.617 - 0.96 GHz: 6 dBi 1.7 - 2.7 GHz: 7 dBi 3.3 - 4.6 GHz: 7 dBi 4.7 - 6.0 GHz: 5.5 dBi
VSWR	<2.00, max <3.00
BEAMWIDTH	80°/80° ±15°
POLARIZATION	X (±45degrees)
IMPEDANCE	50 Ω

MECHANICAL SPECIFICATION

MATERIALS	ABS, aluminum, PTFE, Fiberglass
INGRESS PROTECTION	IP68
CONNECTOR TYPE	RJ45
DIMENSIONS	486.0 x 292.2 x 175 mm 19.13 x 11.50 x 6.87 inch
WEIGHT	2.8 kg 6.17 lbs
OPERATING TEMPERATURE	From -40°C to 80°C From -40°F to 176°F
MAST DIAMETER	25-60mm 0.98-2.36 inch

FREQUENCY BANDS

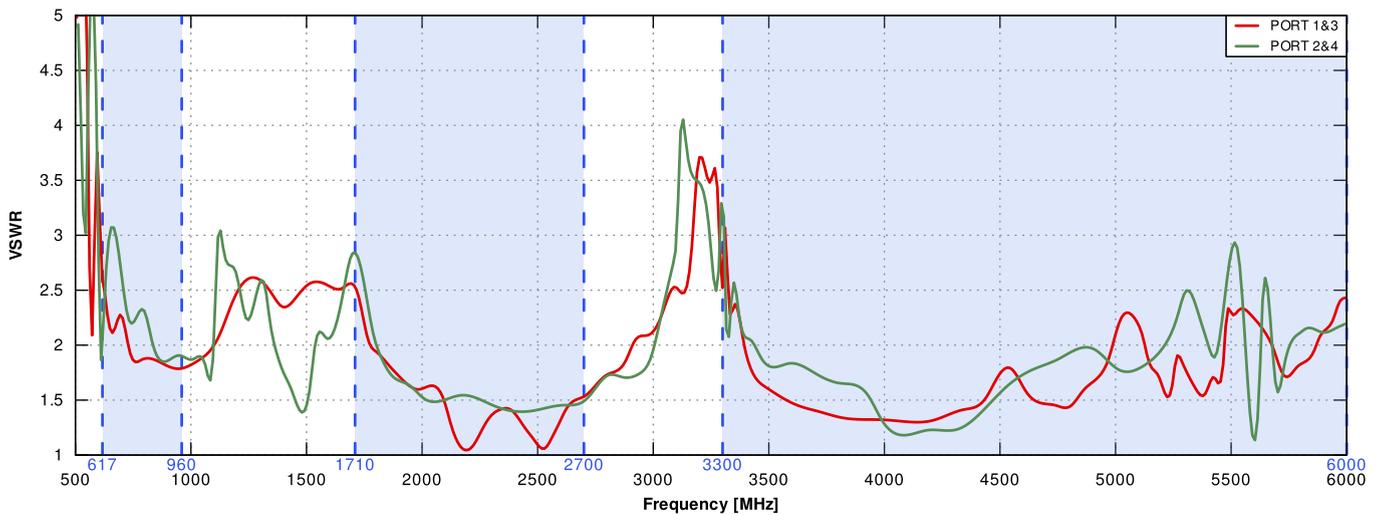
LTE / 4G	1	2	3	4	5	7	8	6000 MHz	
	9	10	12	13	14	17	18		
	19	20	22	25	26	27	28		
	29	30	33	34	35	36	37		
	38	39	40	41	42	43	44		
	45	47	48	49	52	53	65		
	66	67	68	69	71	85	103		
	106								
	617 MHz								



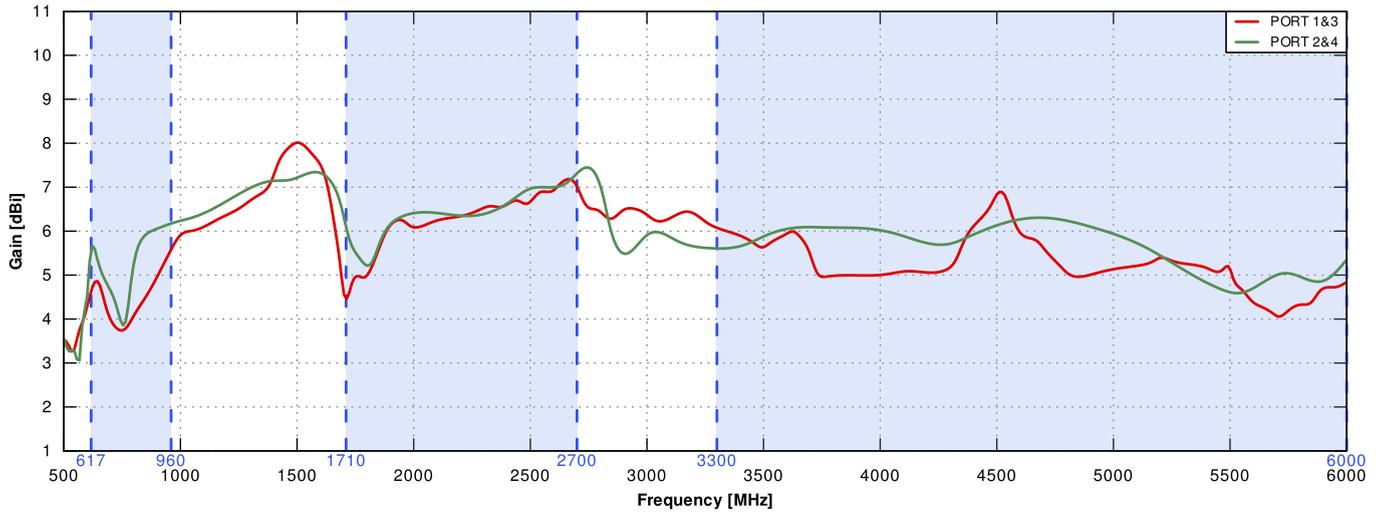
n1	n2	n3	n5	n7	n8	n12		
n13	n14	n18	n20	n25	n26	n28		
n29	n30	n34	n38	n39	n40	n41		
617 MHz	n46	n47	n48	n53	n65	n66	n67	6000 MHz
n71	n77	n78	n80	n81	n82	n83		
n84	n85	n86	n89	n90	n95	n97		
n98	n100	n101	n256					

PLOTS

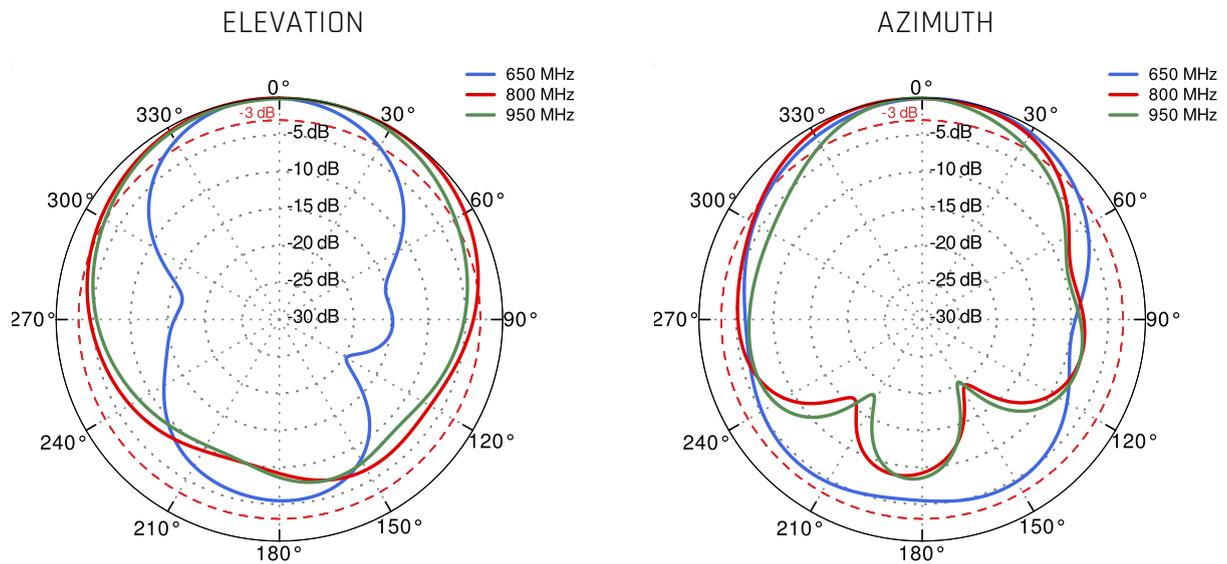
5G/LTE VSWR



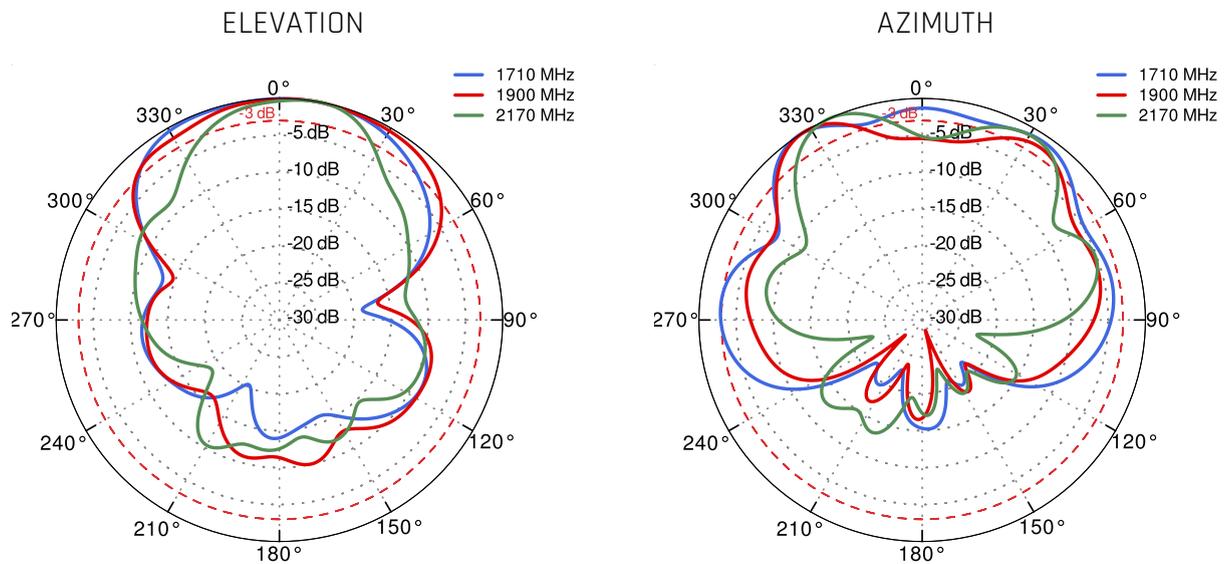
5G/LTE Gain



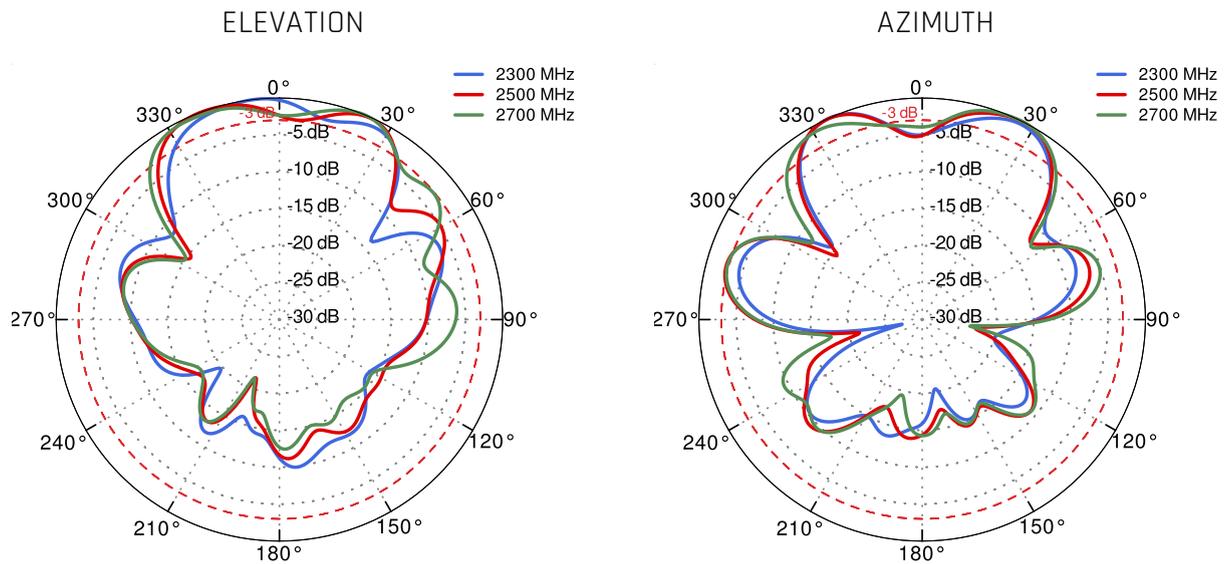
PORT 1&3 - 5G/LTE From 650MHz to 950MHz



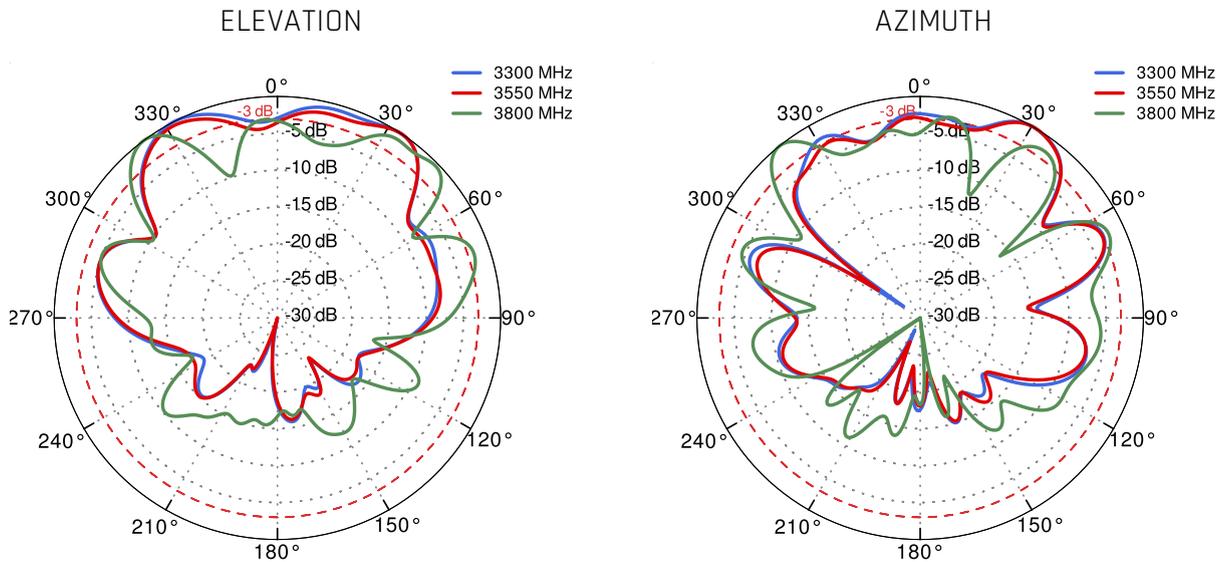
PORT 1&3 - 5G/LTE From 1.71GHz to 2.17GHz



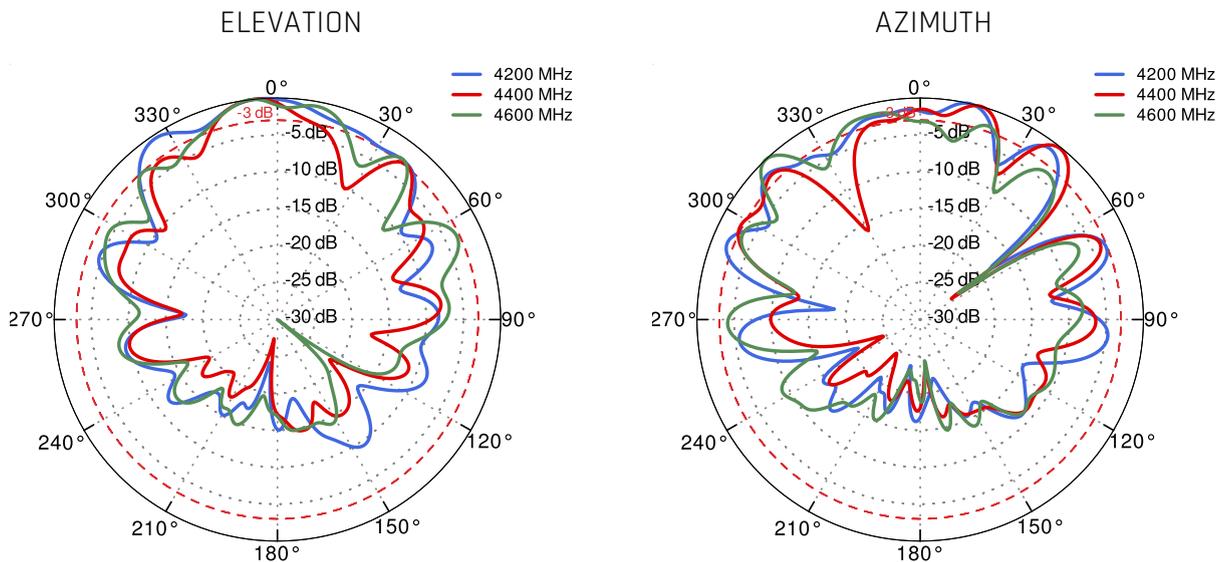
PORT 1&3 - 5G/LTE From 2.3GHz to 2.7GHz



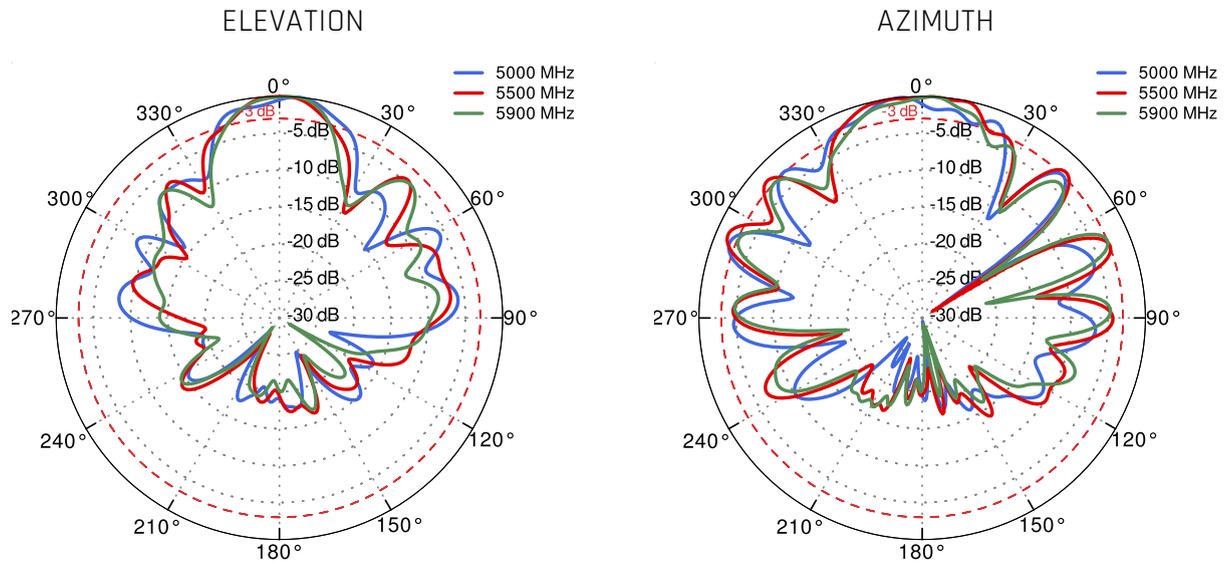
PORT 1&3 - 5G/LTE From 3.3GHz to 3.8GHz



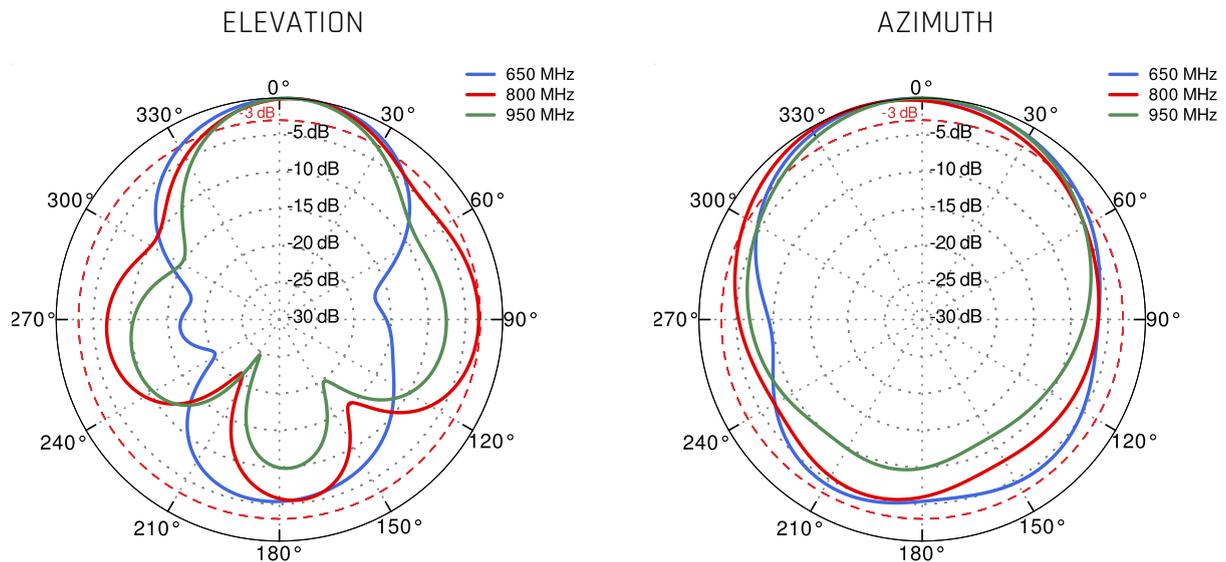
PORT 1&3 - 5G/LTE From 4.2GHz to 4.6GHz

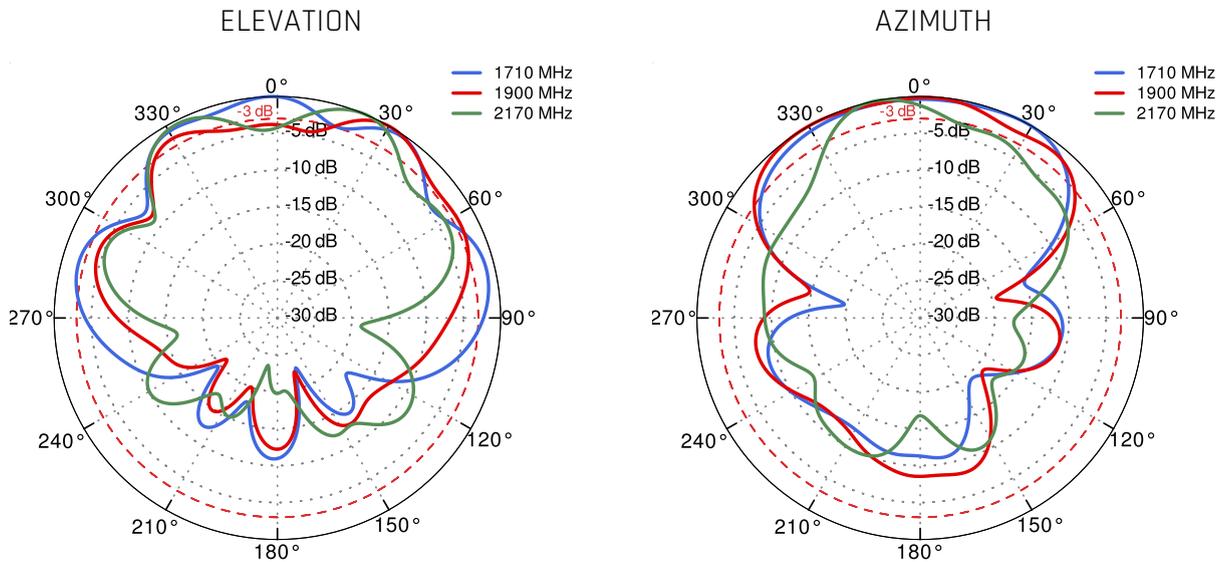
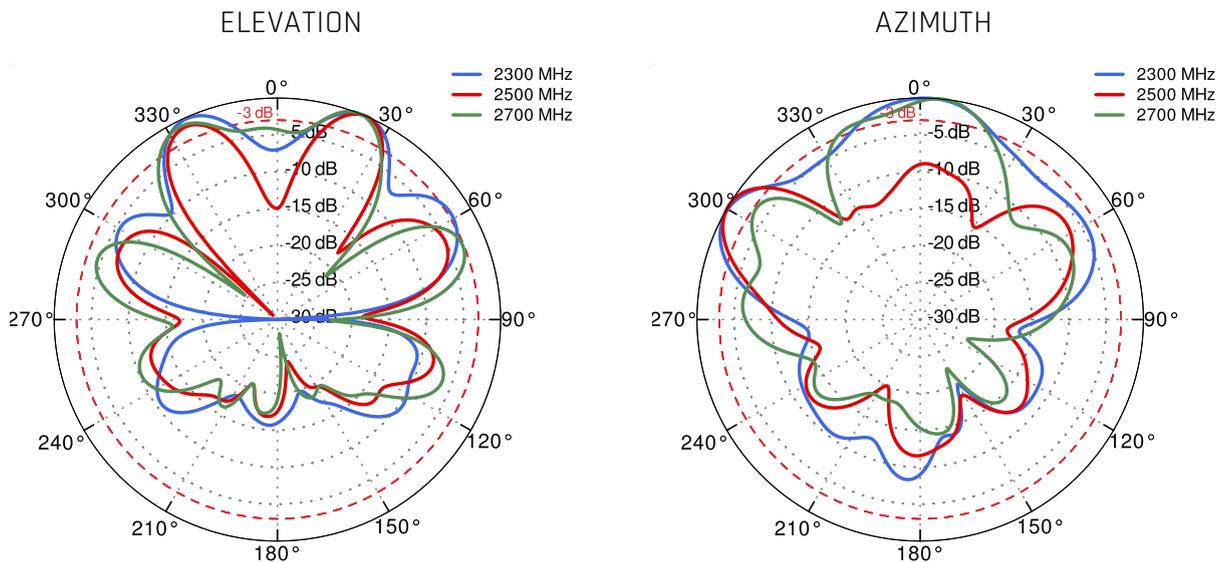


PORT 1&3 - 5G/LTE From 5.0GHz to 5.9GHz

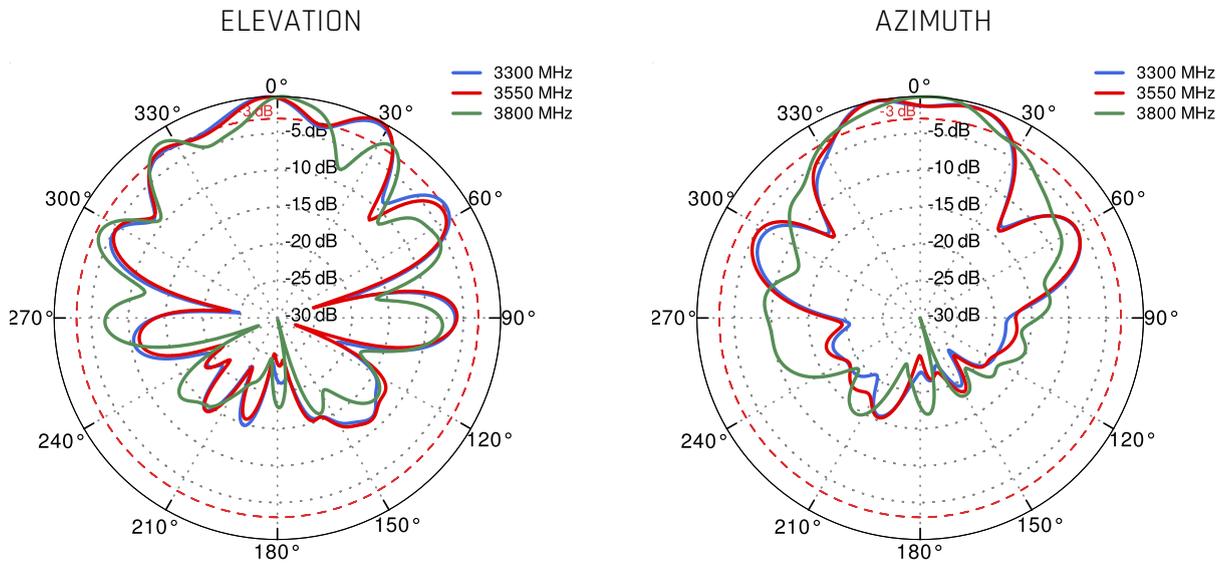


PORT 2&4 - 5G/LTE From 650MHz to 950MHz

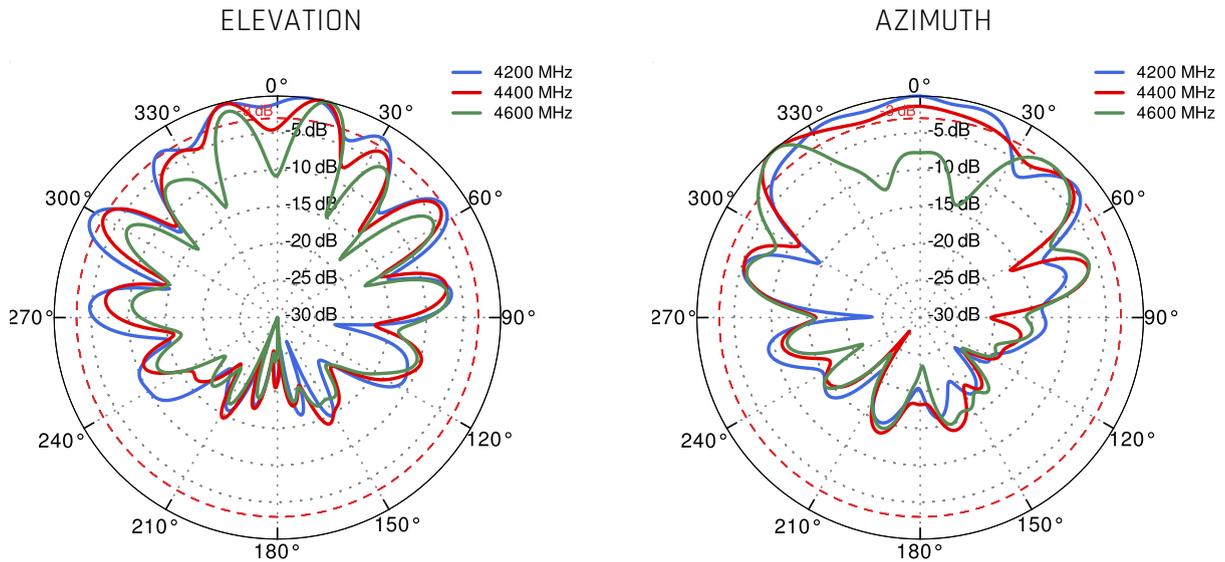


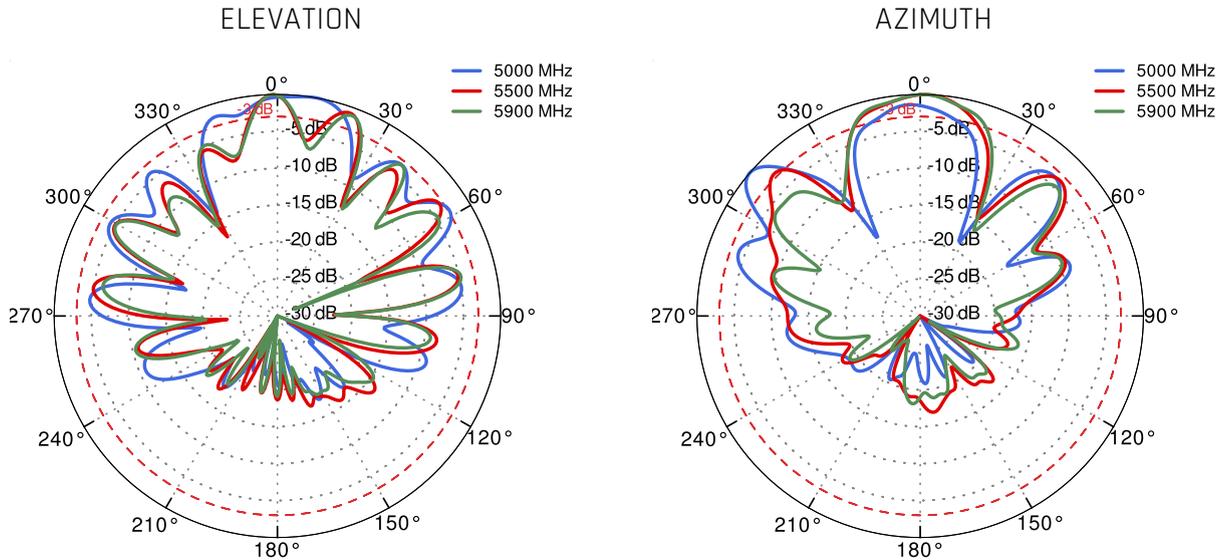
PORT 2&4 - 5G/LTE From 1.71GHz to 2.17GHz

PORT 2&4 - 5G/LTE From 2.3GHz to 2.7GHz


PORT 2&4 - 5G/LTE From 3.3GHz to 3.8GHz



PORT 2&4 - 5G/LTE From 4.2GHz to 4.6GHz



PORT 2&4 - 5G/LTE From 5.0GHz to 5.9GHz


DIMENSIONS
