



TAOGLAS®

Flex Cpx50 - Antenna Evaluation Report.V19

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Made by Izumi
2023/01/30

Contents

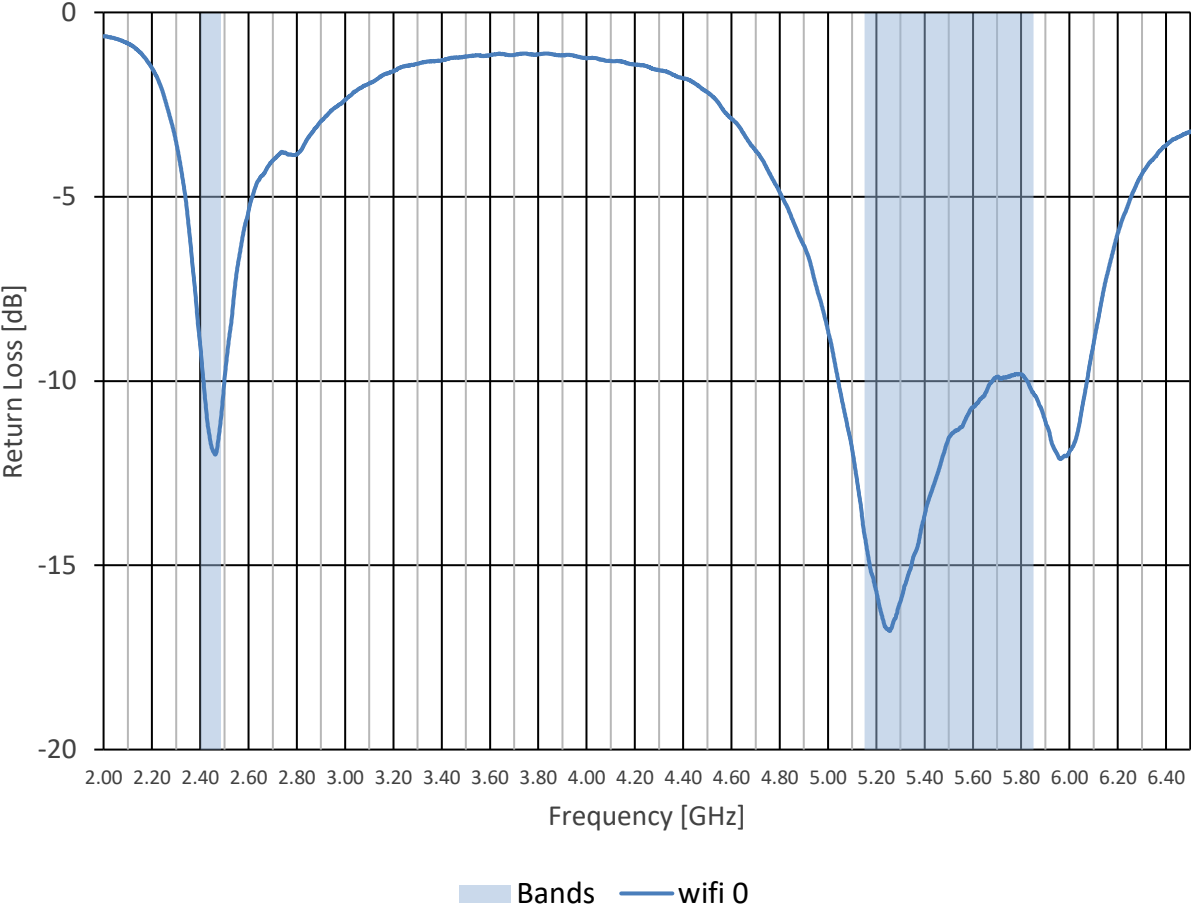
WIFI 0 antenna



Summary WIFI 0 antenna

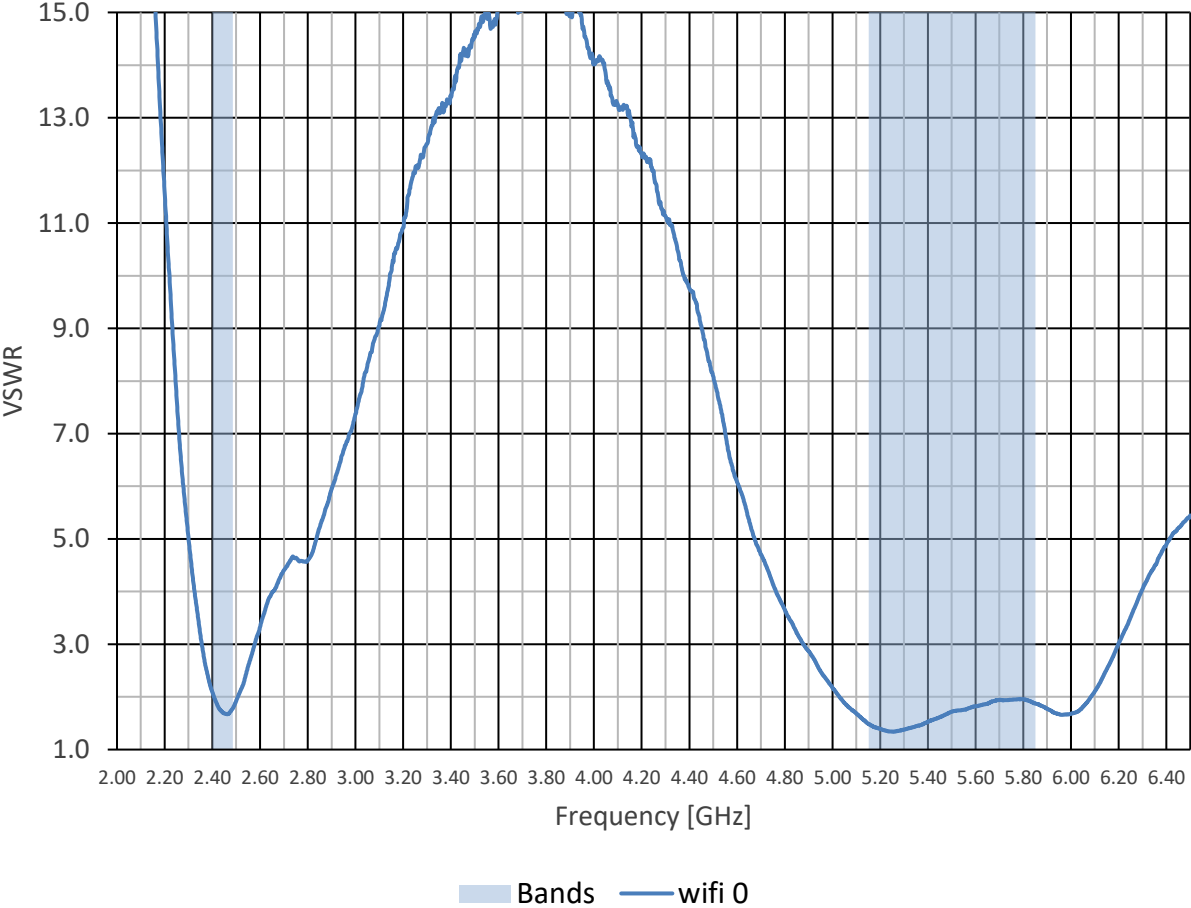
		WiFi - 2GHz 2400-2484 MHz	WiFi - 5GHz 5150-5850 MHz
Maximum Return Loss for the freq. band	WIFI 0 antenna	-9.22	-9.81
Maximum VSWR for the freq. band		2.06	1.96
Minimum Isolation for the freq. band	WIFI 0 ~ WIFI 1	-15.10	-22.48
Efficiency avg. for the freq. band	WIFI 0 antenna	61.51	60.64
Avg. Gain avg. for the freq. band		-2.11	-2.17
Peak Gain for Gtotal max. for the freq. band		2.34	4.58

Return Loss WiFi 0



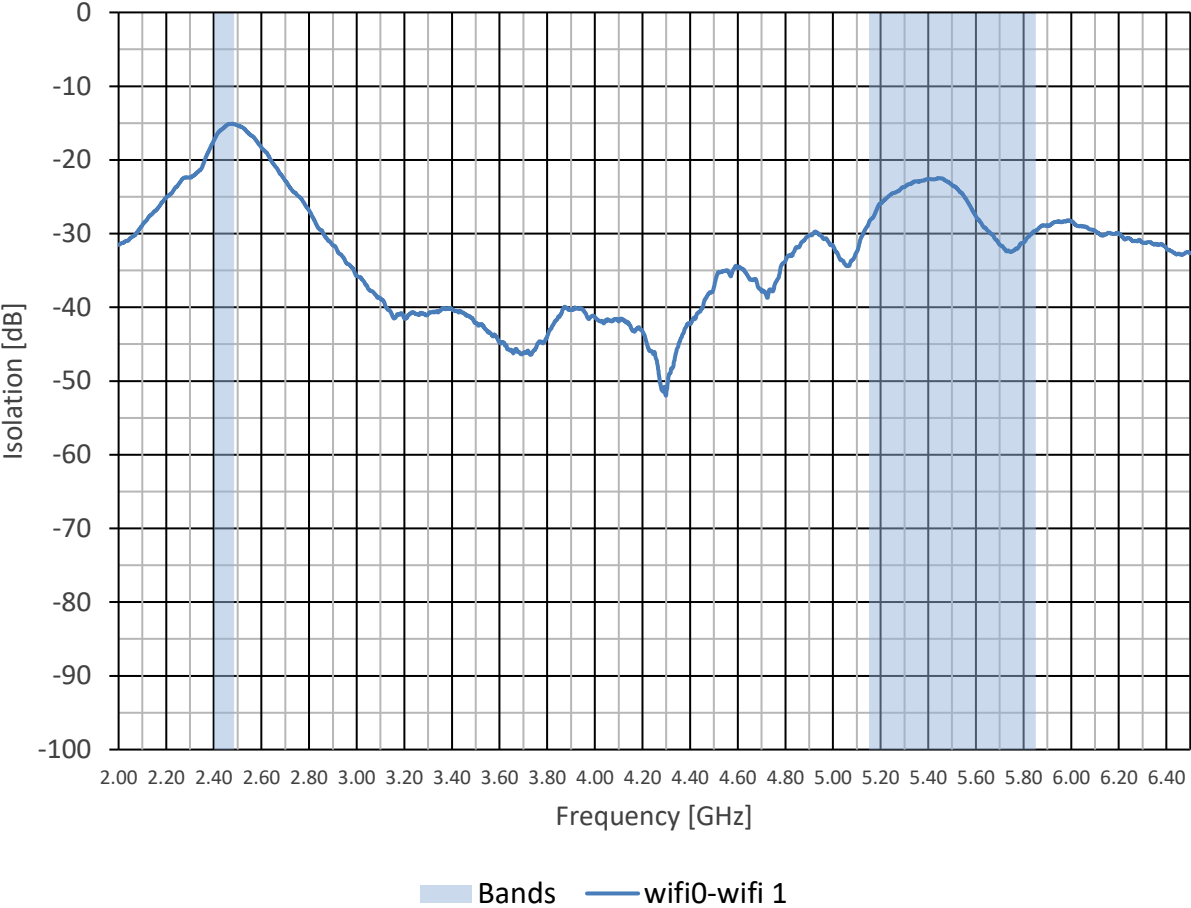
	WIFI 0 antenna		
Band	Max	Mean	Min
WiFi - 2GHz 2400-2484 MHz	-9.2	-11.1	-12.0
WiFi - 5GHz 5150-5850 MHz	-9.8	-12.5	-16.8

VSWR WiFi 0



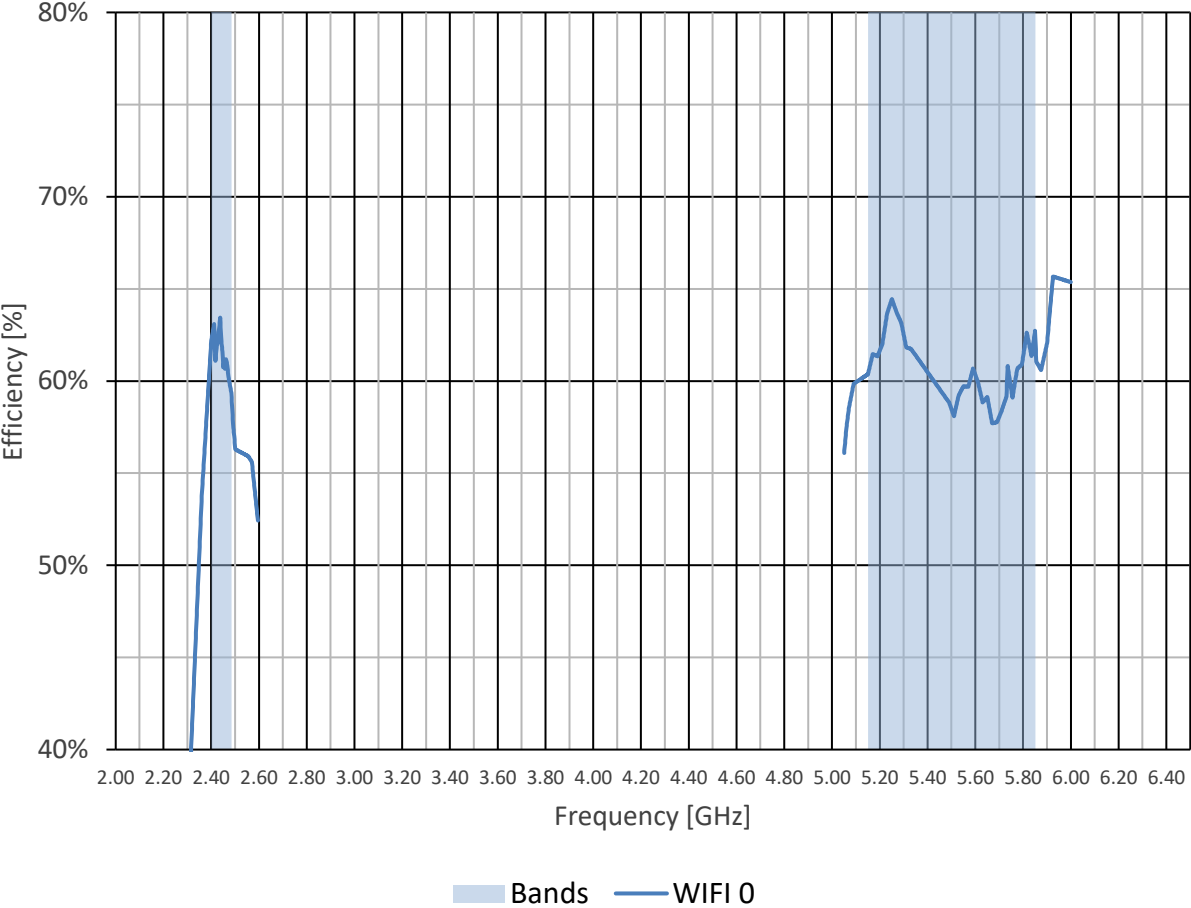
	wifi 0		
Band	Max	Mean	Min
WiFi - 2GHz 2400-2484 MHz	2.06	1.78	1.67
WiFi - 5GHz 5150-5850 MHz	1.96	1.67	1.34

Isolation WiFi 0 ~ WiFi 1



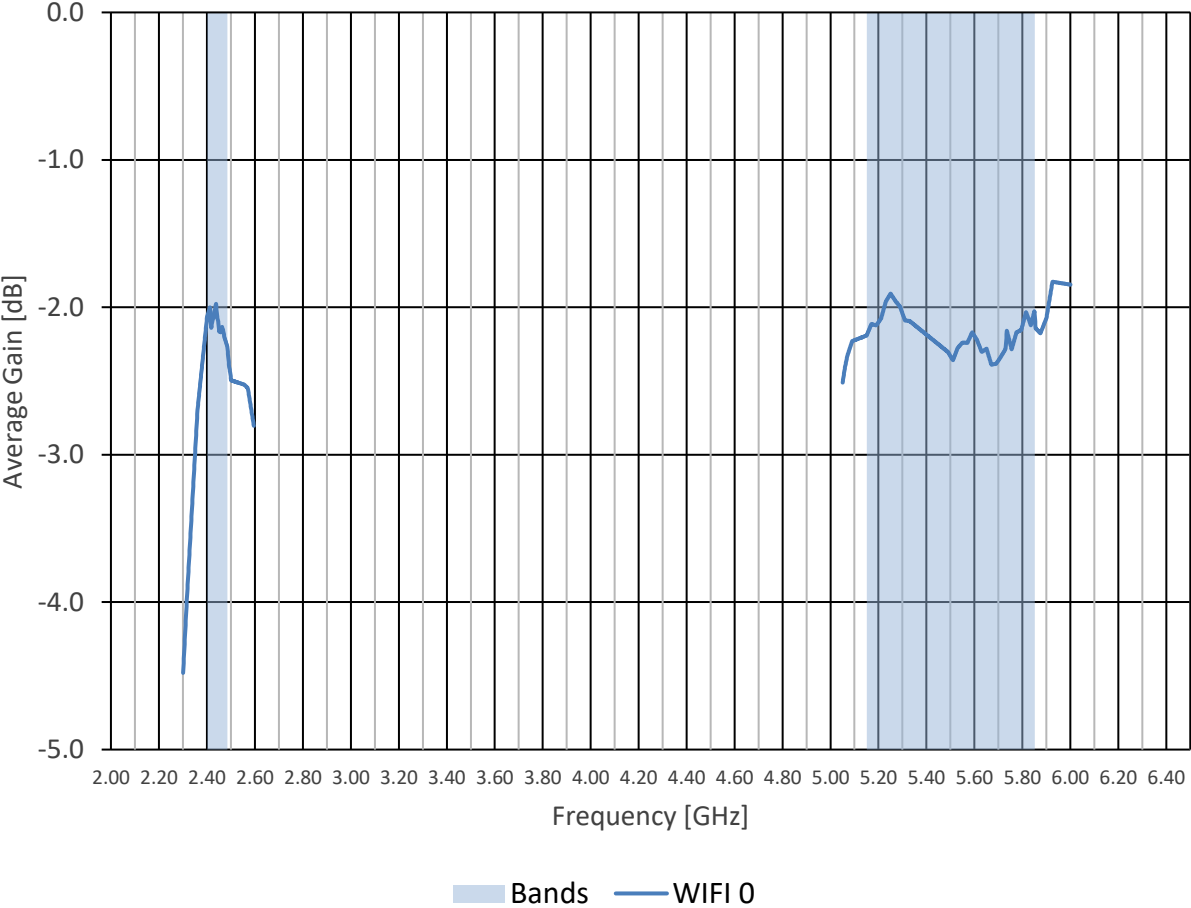
	wifi0-wifi 1		
Band	Max	Mean	Min
WiFi - 2GHz 2400-2484 MHz	-15.10	-15.74	-17.23
WiFi - 5GHz 5150-5850 MHz	-22.48	-26.56	-32.51

Efficiency WiFi 0



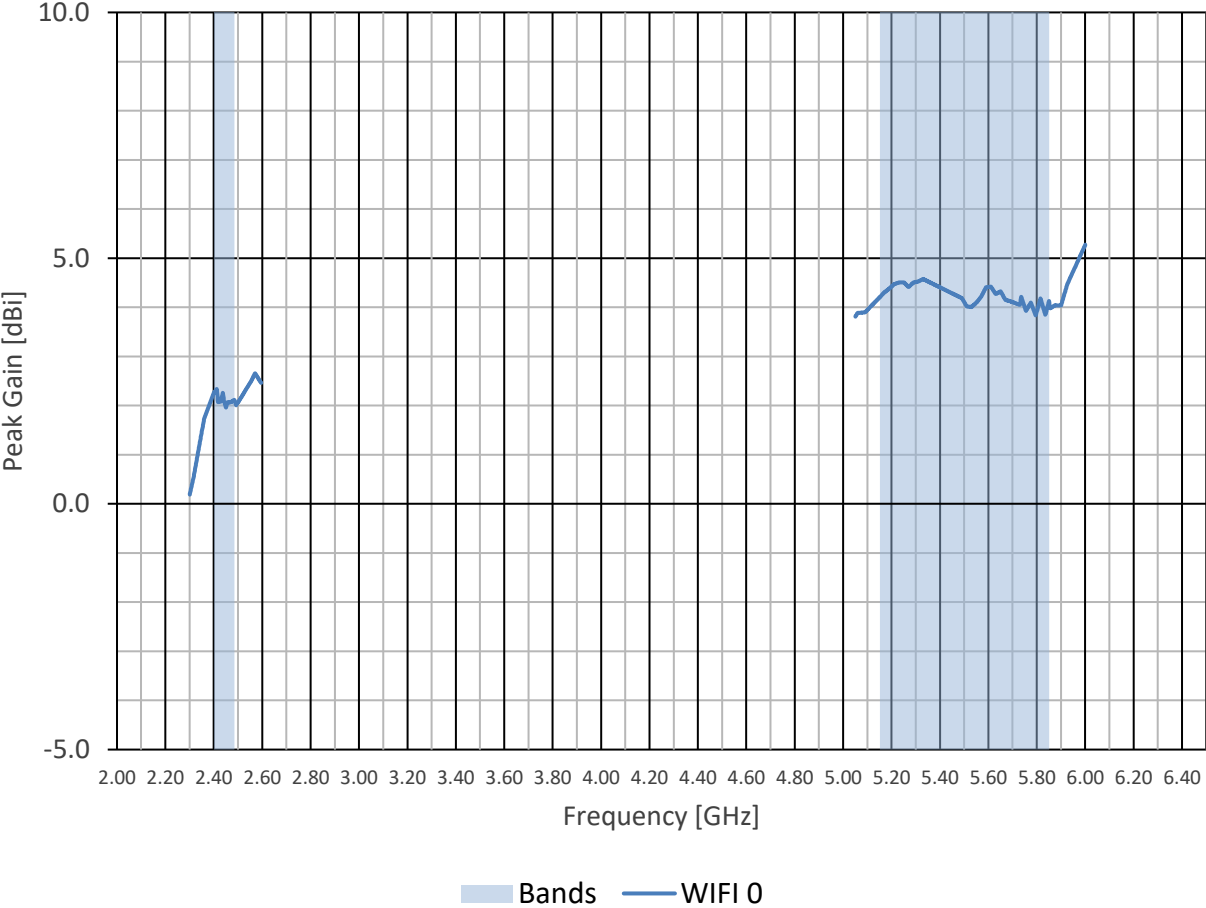
	WIFI 0		
Band	Max	Mean	Min
WiFi - 2GHz 2400-2484 MHz	63.4	61.5	59.4
WiFi - 5GHz 5150-5850 MHz	64.5	60.6	57.7

Average Gain WiFi 0



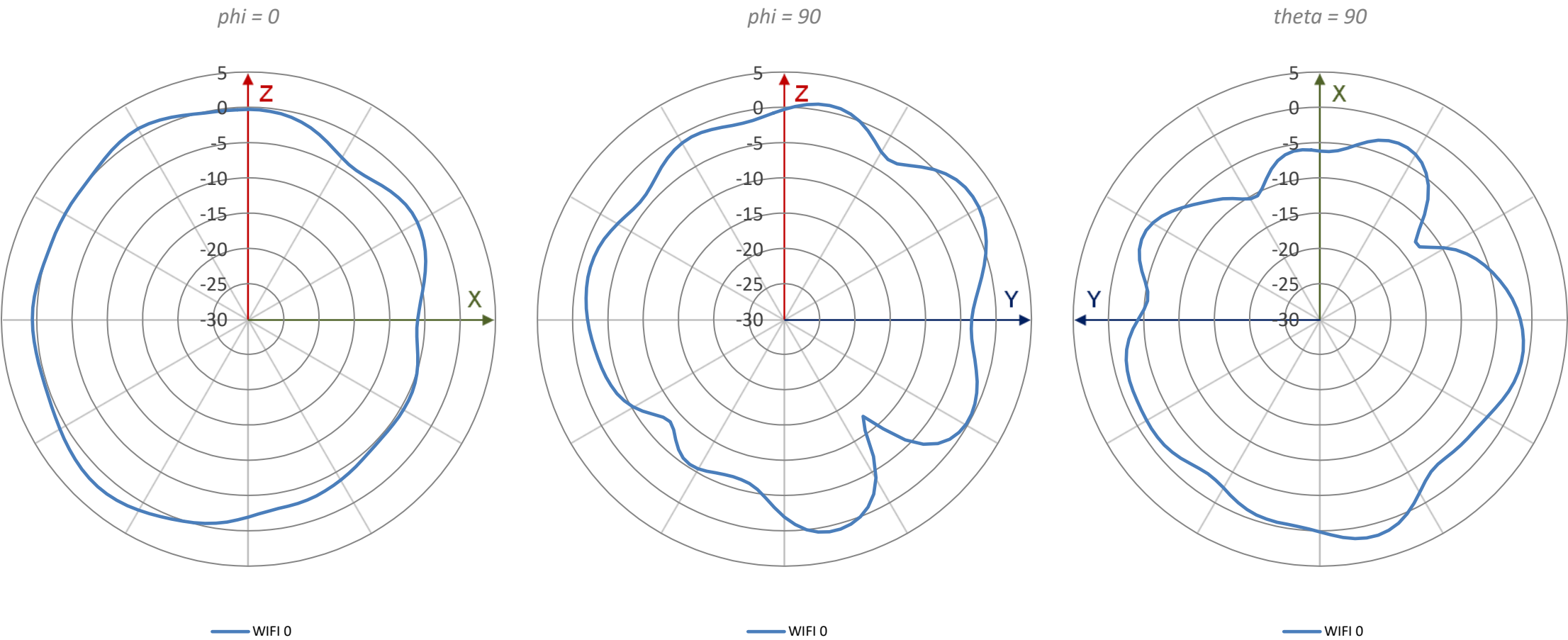
	WIFI 0		
Band	Max	Mean	Min
WiFi - 2GHz 2400-2484 MHz	-2.0	-2.1	-2.3
WiFi - 5GHz 5150-5850 MHz	-1.9	-2.2	-2.4

Peak Gain WiFi 0 for Gtotal

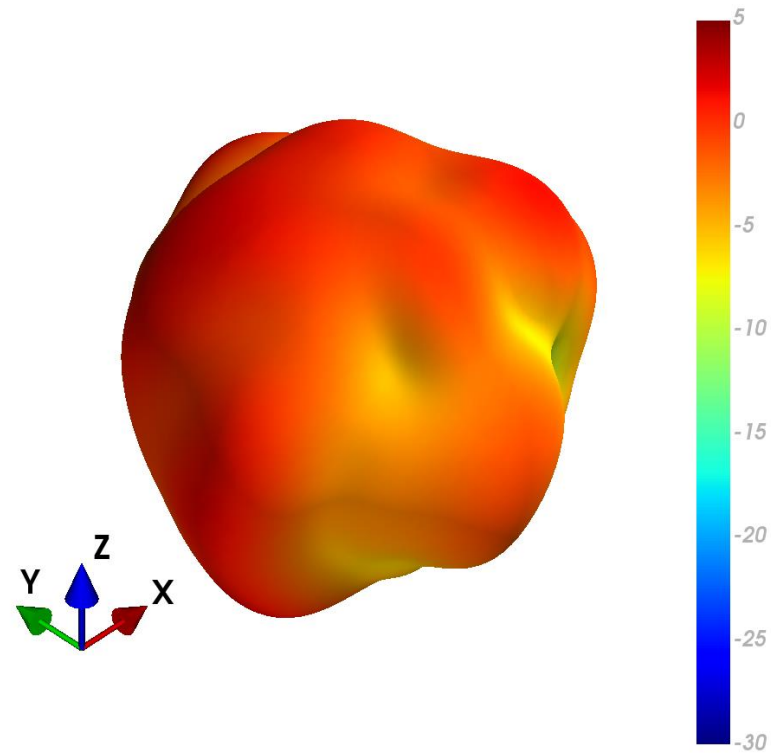


	WIFI 0		
Band	Max	Mean	Min
WiFi - 2GHz 2400-2484 MHz	2.3	2.1	2.0
WiFi - 5GHz 5150-5850 MHz	4.6	4.2	3.8

Radiation Pattern @2442 MHz for [Gtotal]

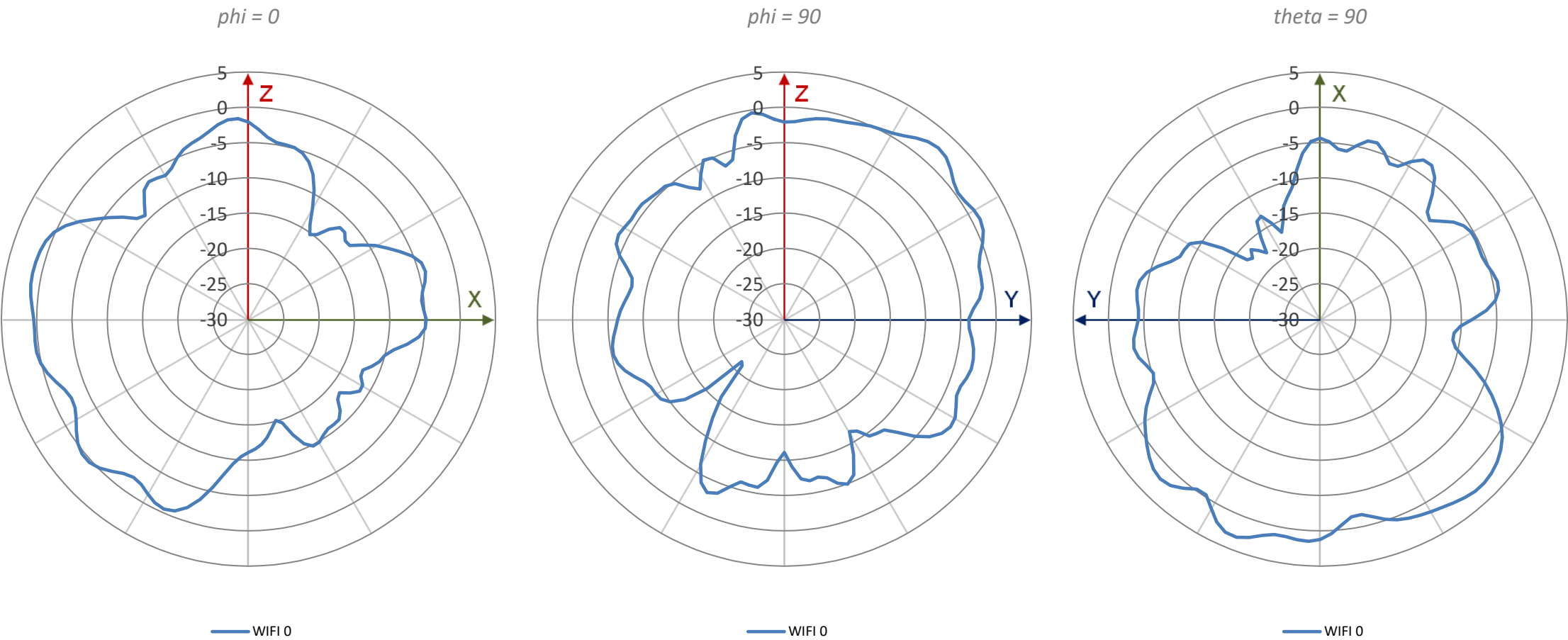


3D Radiation Pattern @2442 MHz [Gtotal]

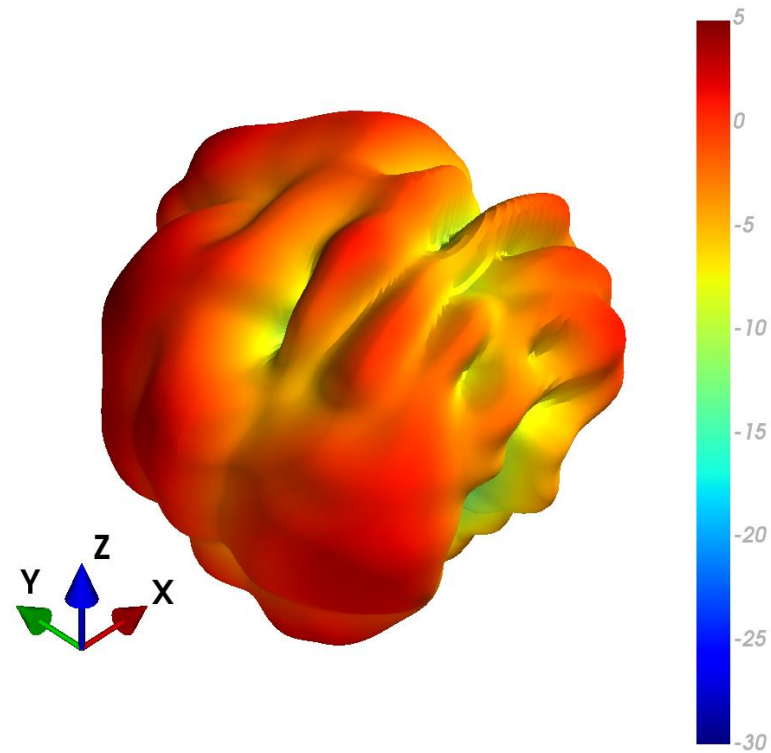


WIFI 0

Radiation Pattern @5500 MHz for [Gtotal]



3D Radiation Pattern @5500 MHz [Gtotal]



WIFI 0

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END

