

ENVIRONMENTAL SPECIFICATIONS

Operating Environment (Indoor or Outdoor)	Outdoor
Operating Temperature – °C (°F)	-40 to +85°C (-40 to +185°F)
Storage Temperature – °C (°F)	-40 to +85°C (-40 to +185°F)
Ingress Protection Rating	IP67
Flammability Rating	UL94 V0
Material Substance Compliance	RoHS

CONFIGURATION

PART NUMBER	Operating Frequency	Color
FTRA6171M5PB-001	617 – 7125 MHz	Black
FTRA6171M5PW-001	617 – 7125 MHz	White
FTRA6971M5PB-001	698 – 7125 MHz	Black
FTRA6971M5PW-001	698 – 7125 MHz	White

MECHANICAL DRAWING

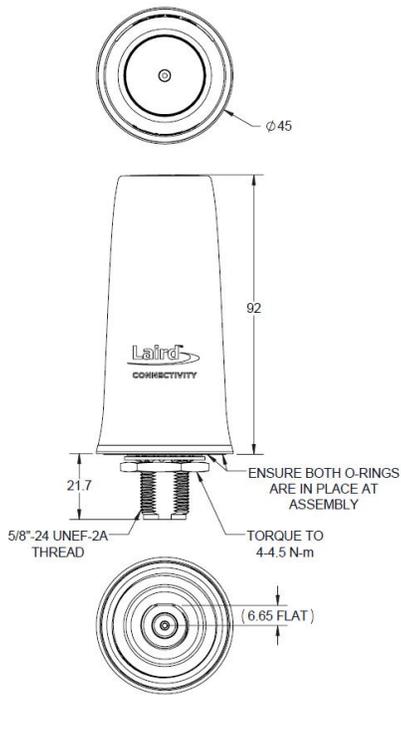


Figure 1: FTRA6171M5Px mechanical drawing

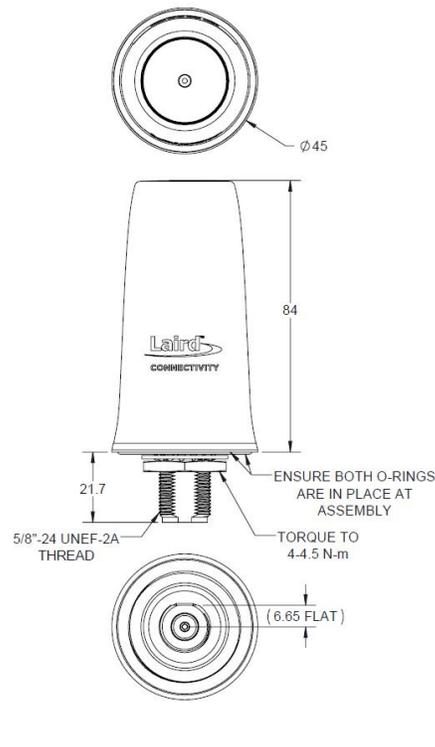
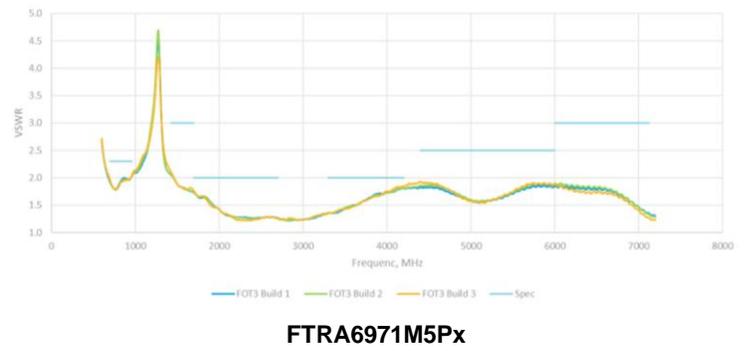
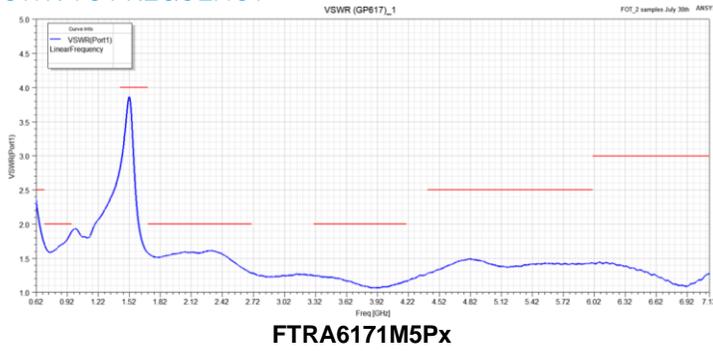
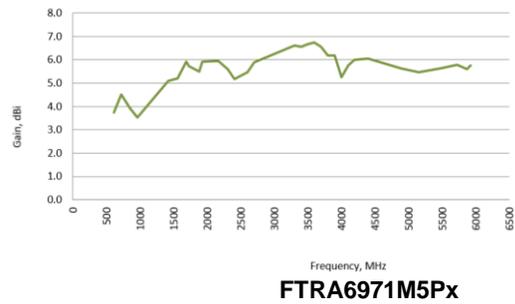
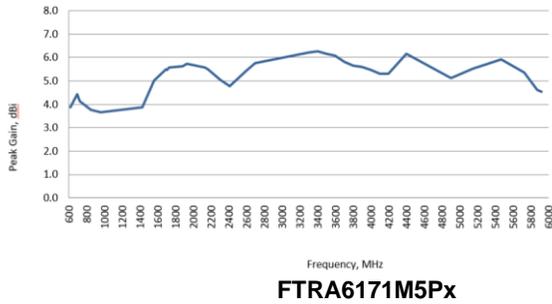


Figure 2: FTRA6971M5Px mechanical drawing

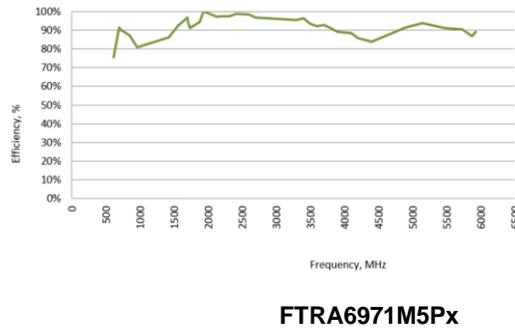
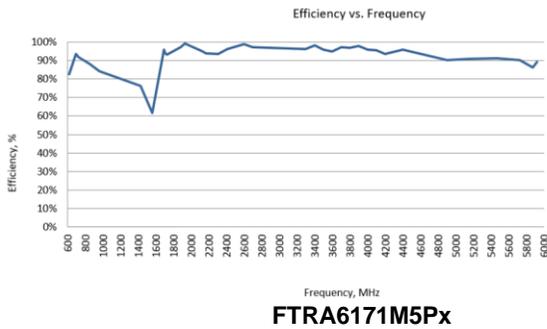
VSWR VS FREQUENCY



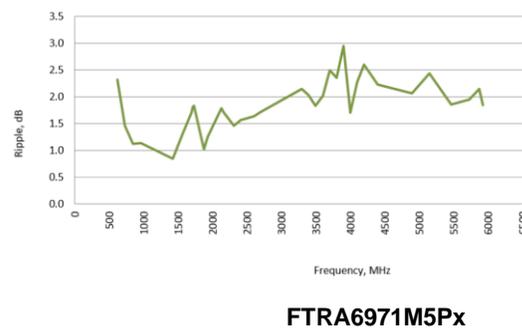
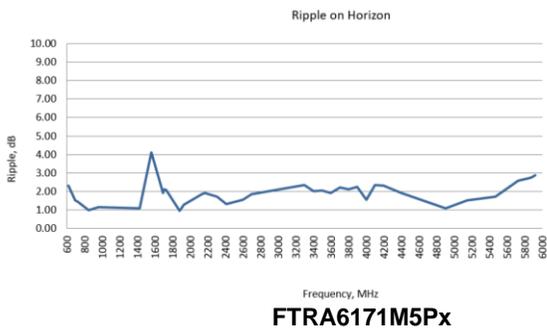
PEAK GAIN VS FREQUENCY



RADIATED EFFICIENCY VS FREQUENCY

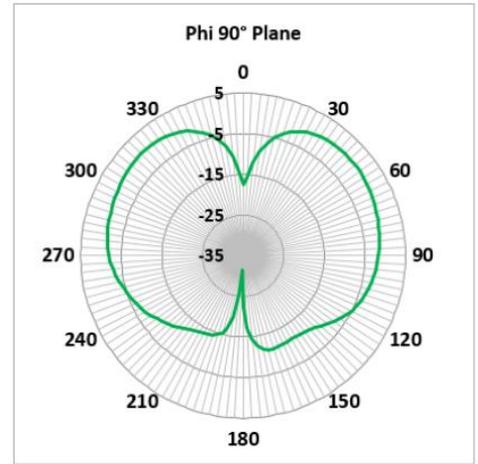
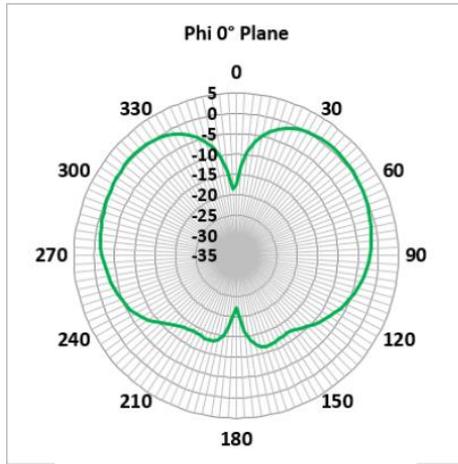
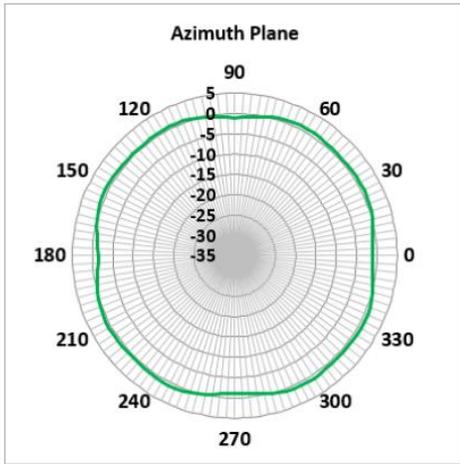


GAIN RIPPLE VS FREQUENCY

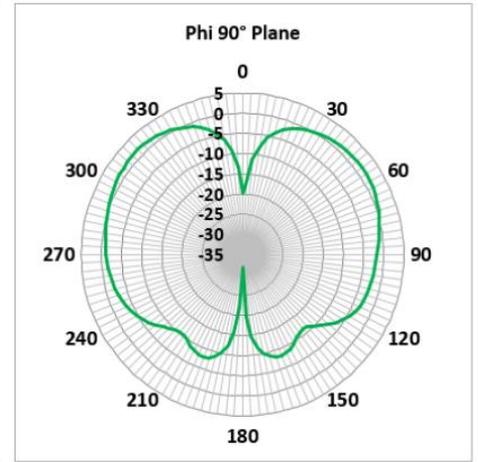
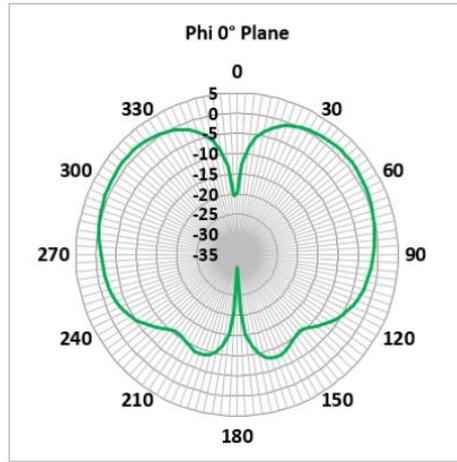
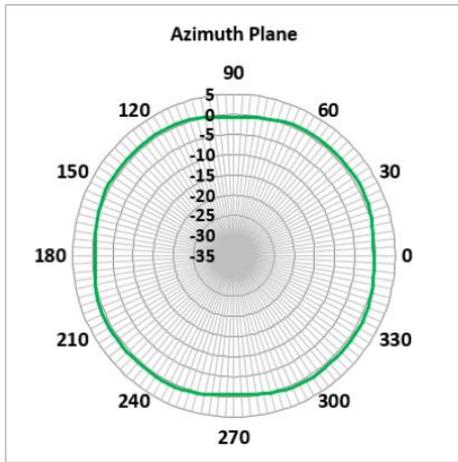


RADIATION PATTERNS

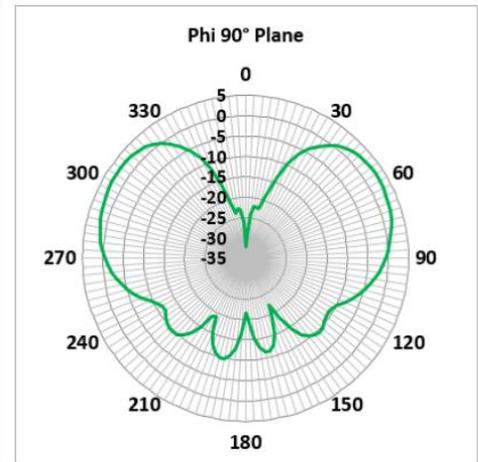
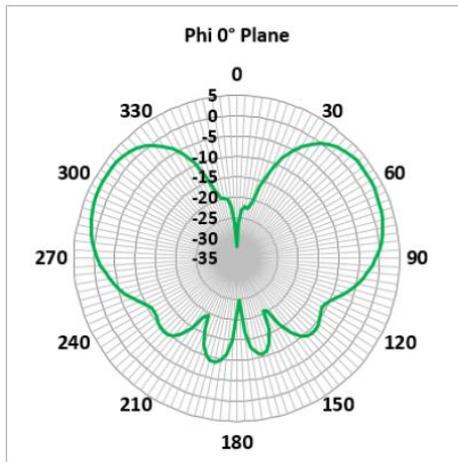
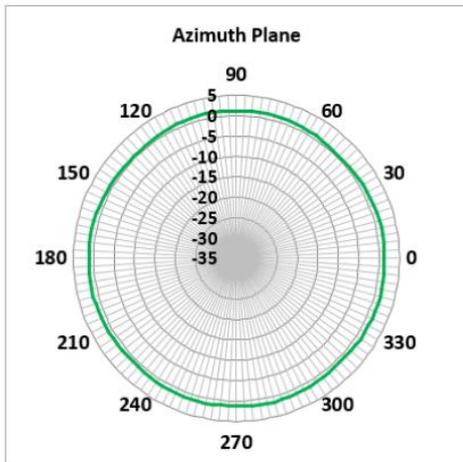
617 MHz (FTRA6171M5Px)



698 MHz (FTRA6171M5Px)

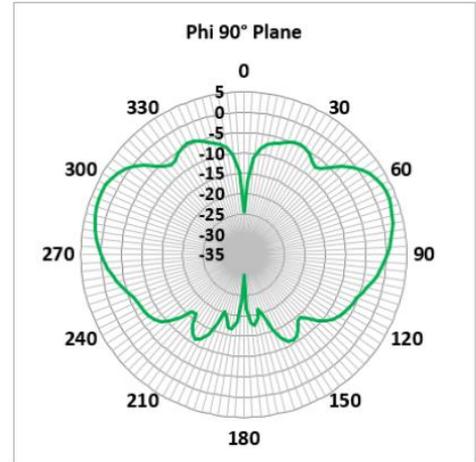
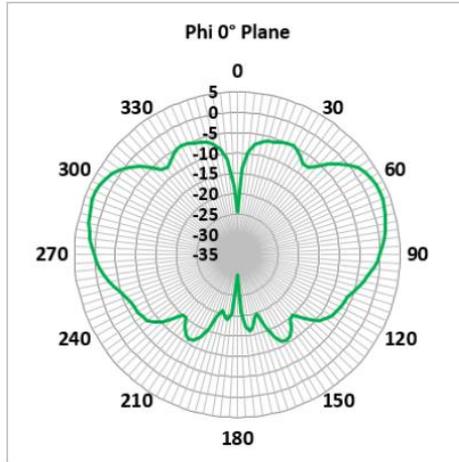
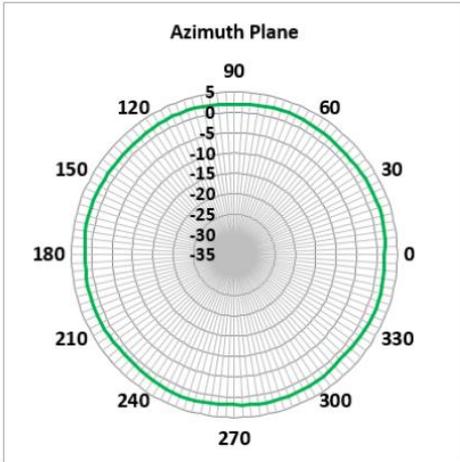


960 MHz (FTRA6171M5Px)

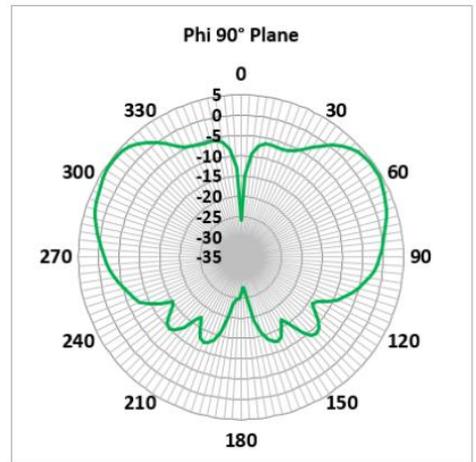
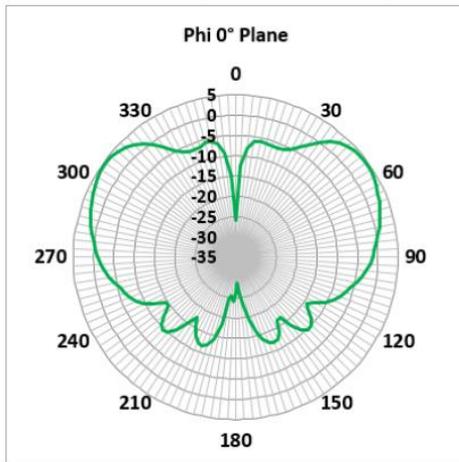
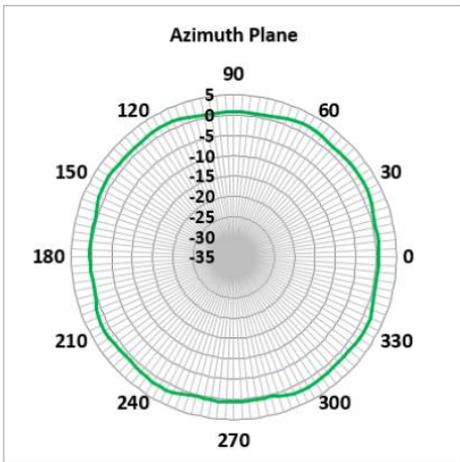


RADIATION PATTERNS (CONTINUED)

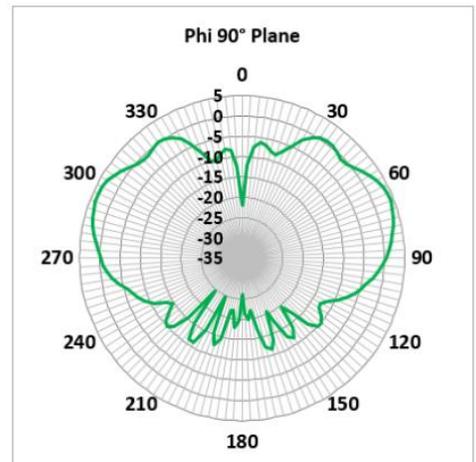
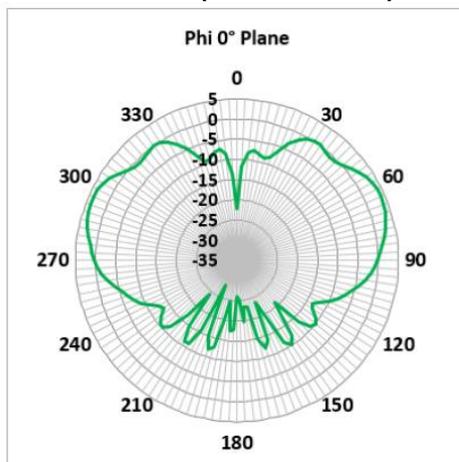
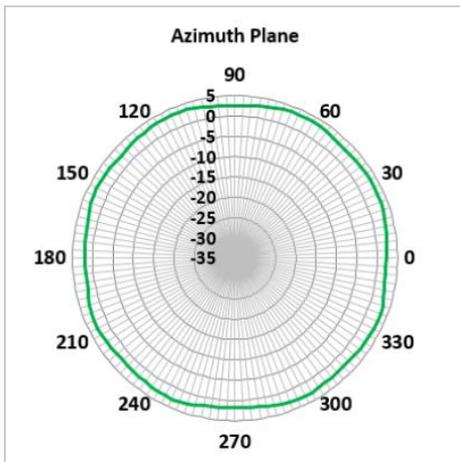
1427 MHz (FTRA6171M5Px)



1695 MHz (FTRA6171M5Px)

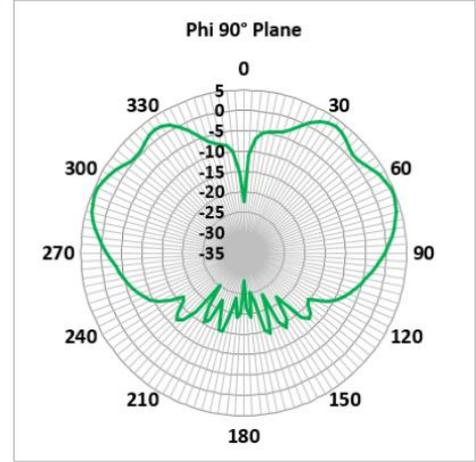
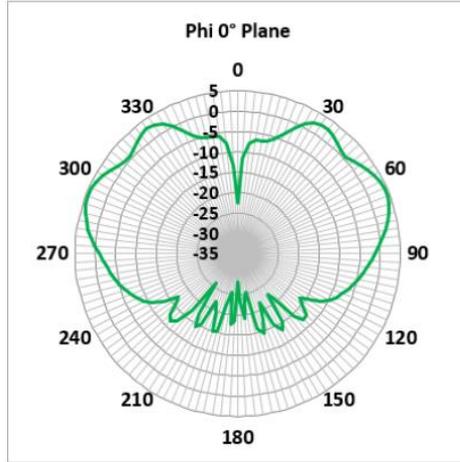
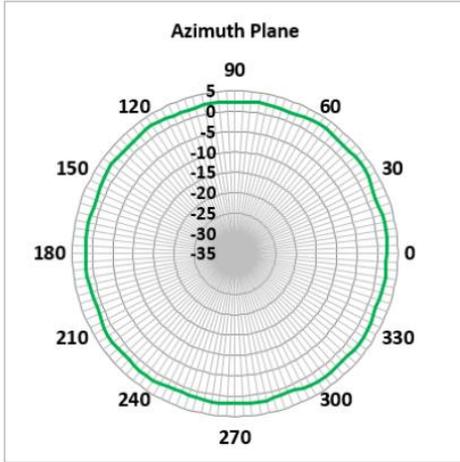


2170 MHz (FTRA6171M5Px)

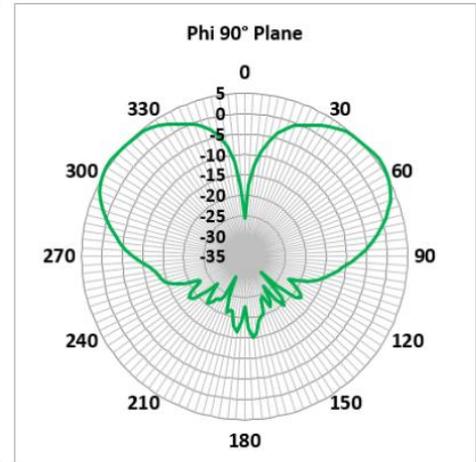
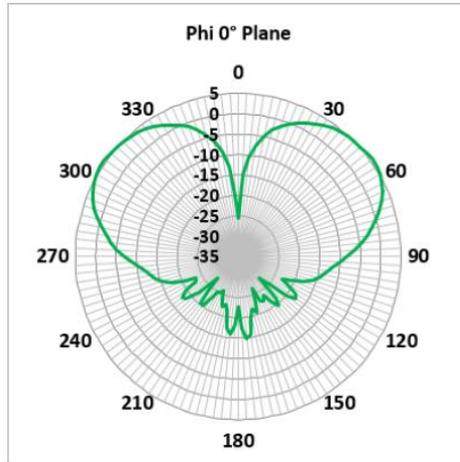
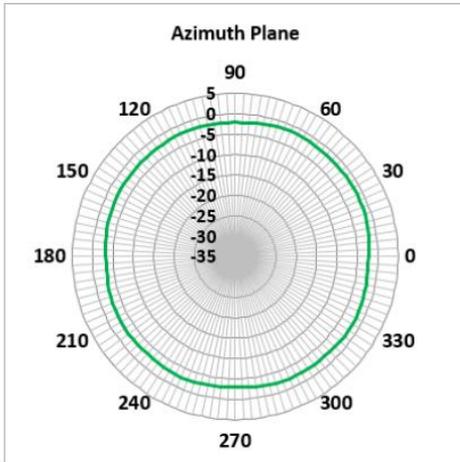


RADIATION PATTERNS (CONTINUED)

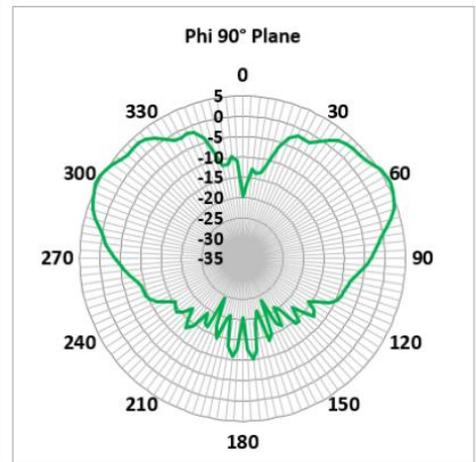
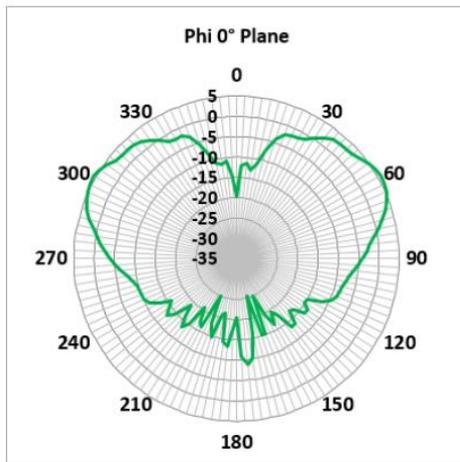
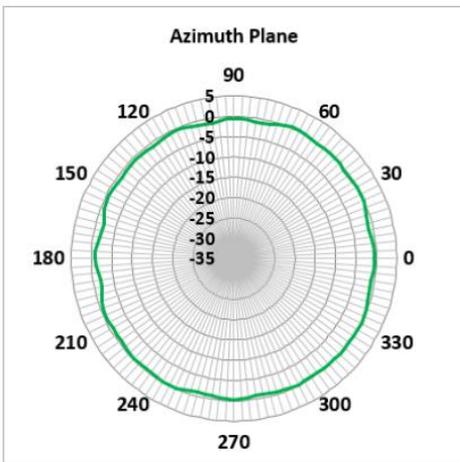
2310 MHz (FTRA6171M5Px)



2700 MHz (FTRA6171M5Px)

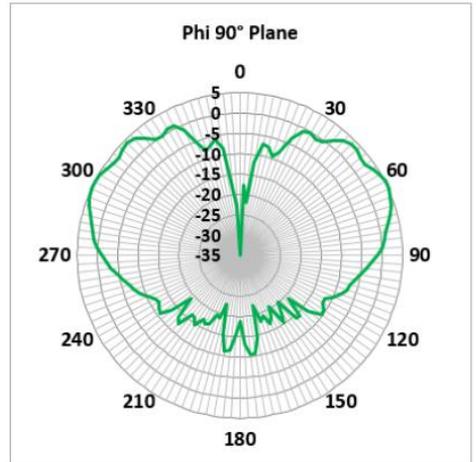
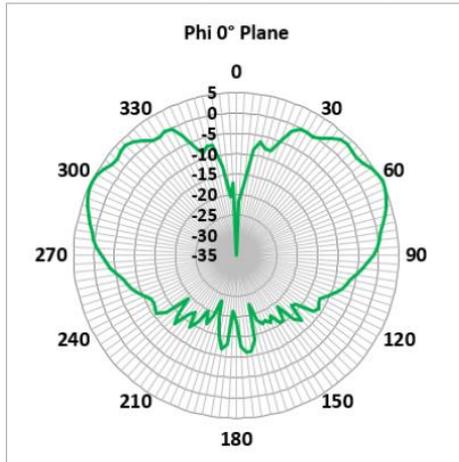
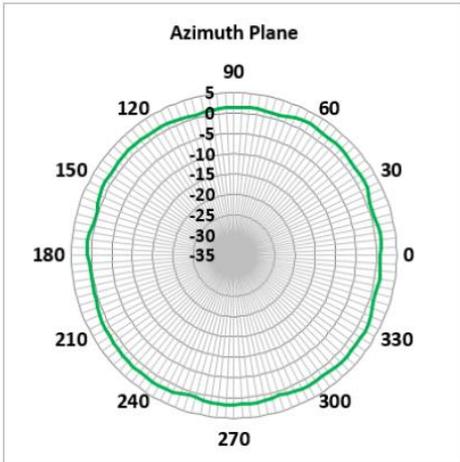


3300 MHz (FTRA6171M5Px)

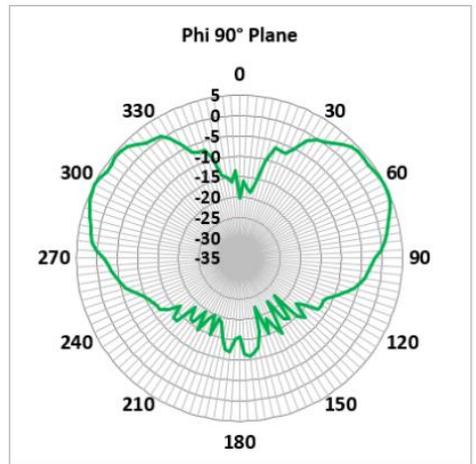
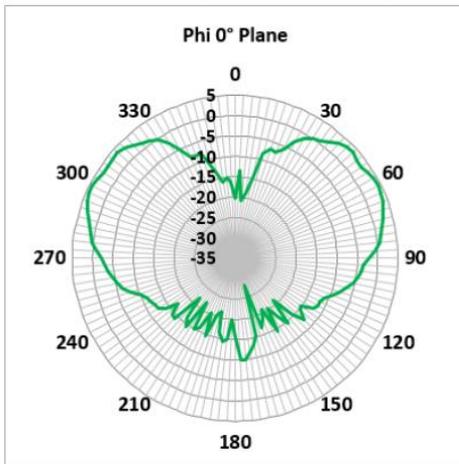
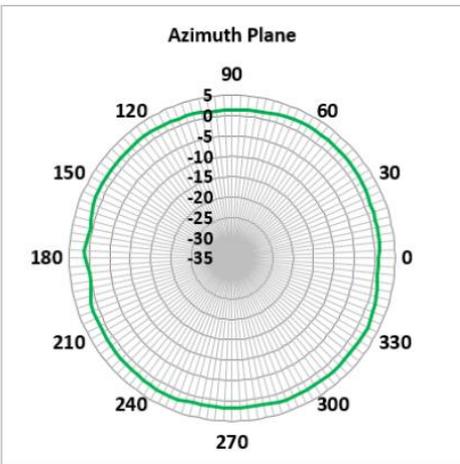


RADIATION PATTERNS (CONTINUED)

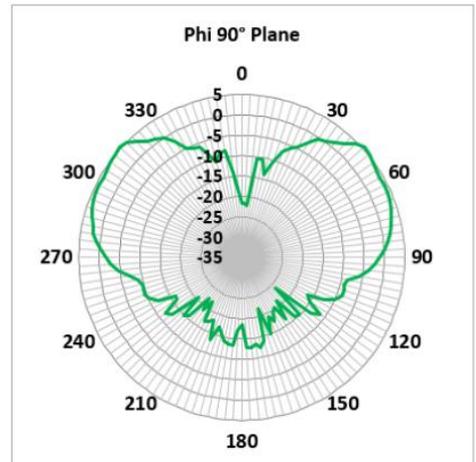
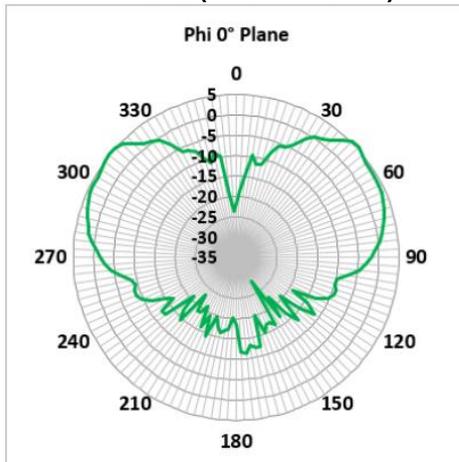
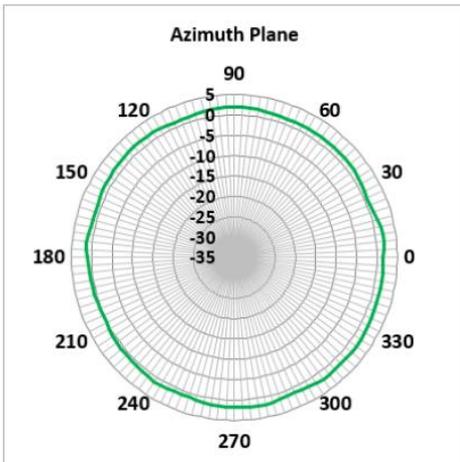
3800 MHz (FTRA6171M5Px)



4200 MHz (FTRA6171M5Px)

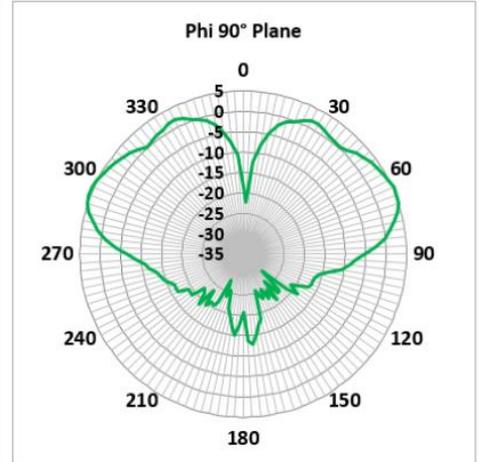
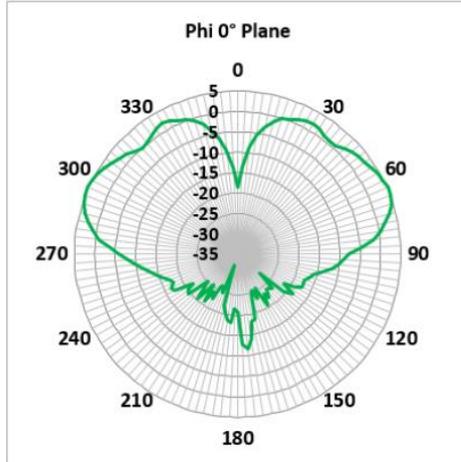
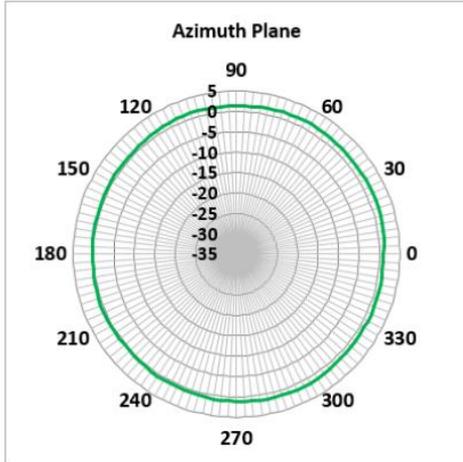


4400 MHz (FTRA6171M5Px)

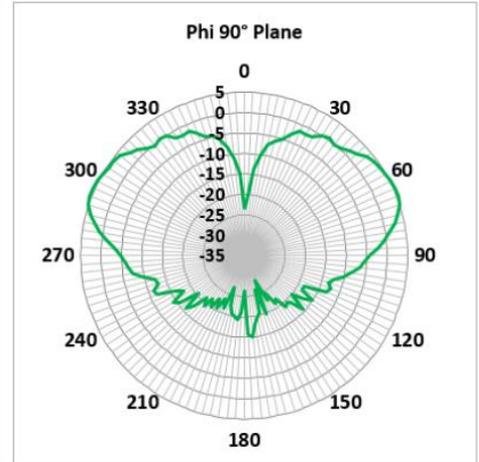
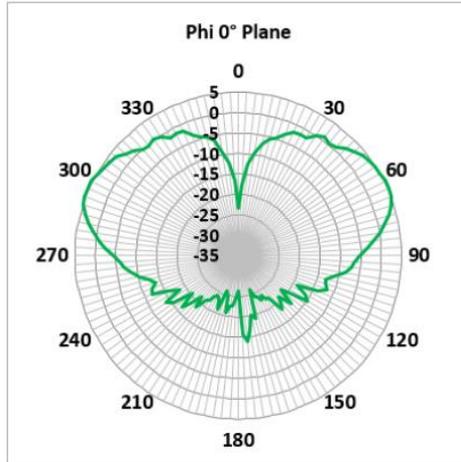
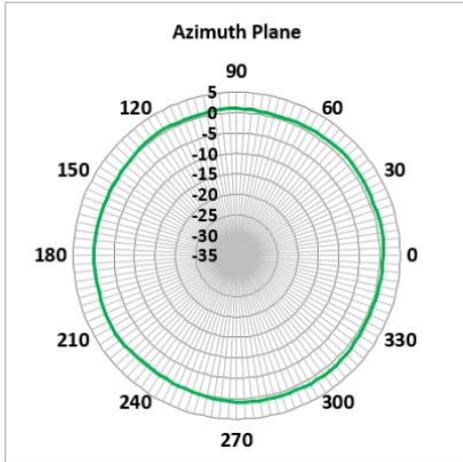


RADIATION PATTERNS (CONTINUED)

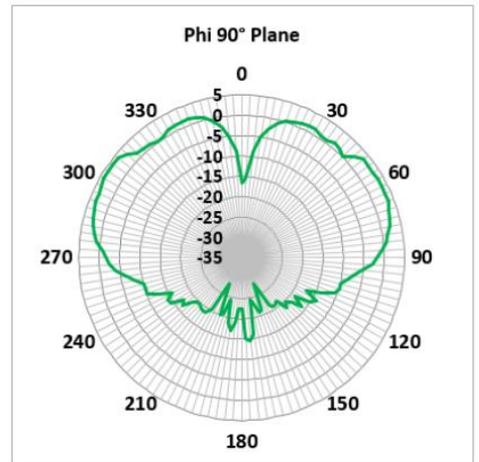
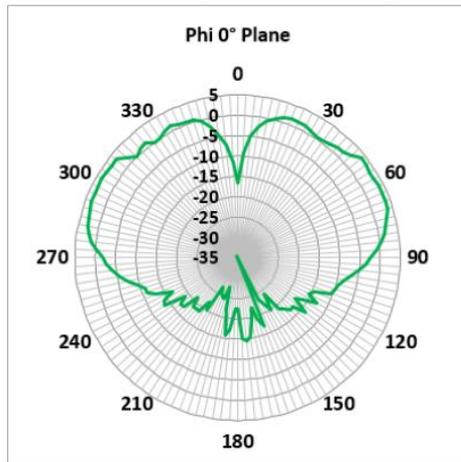
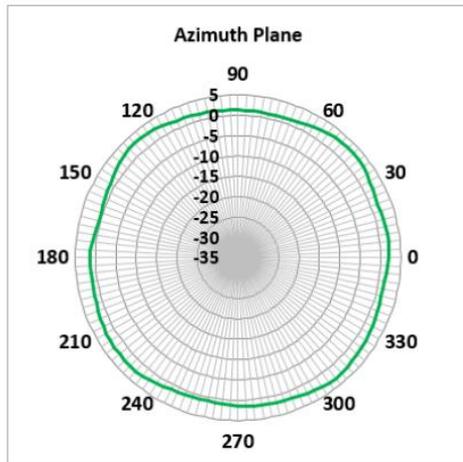
5150 MHz (FTRA6171M5Px)



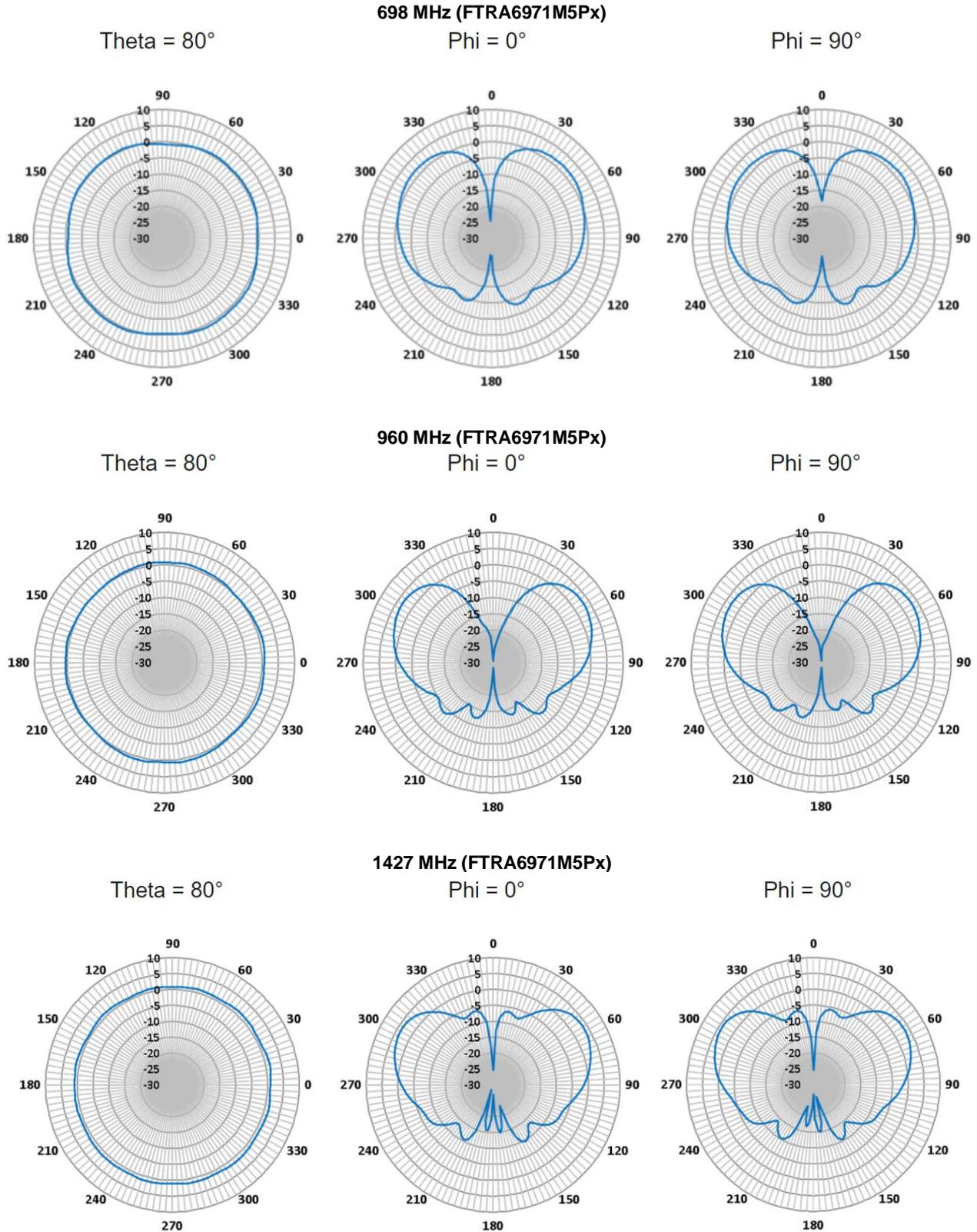
5470 MHz (FTRA6171M5Px)

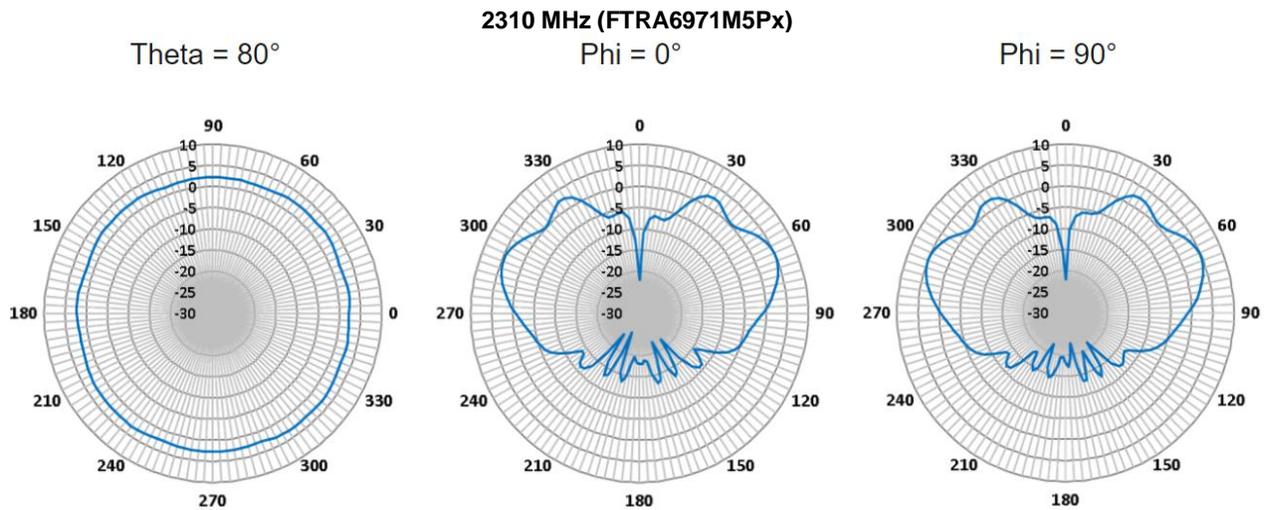
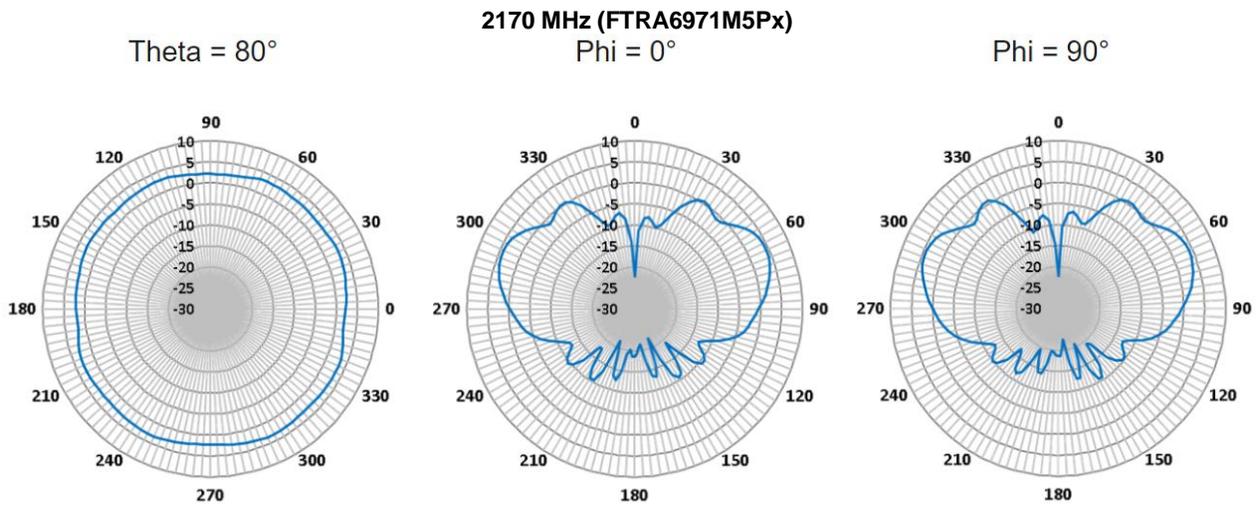
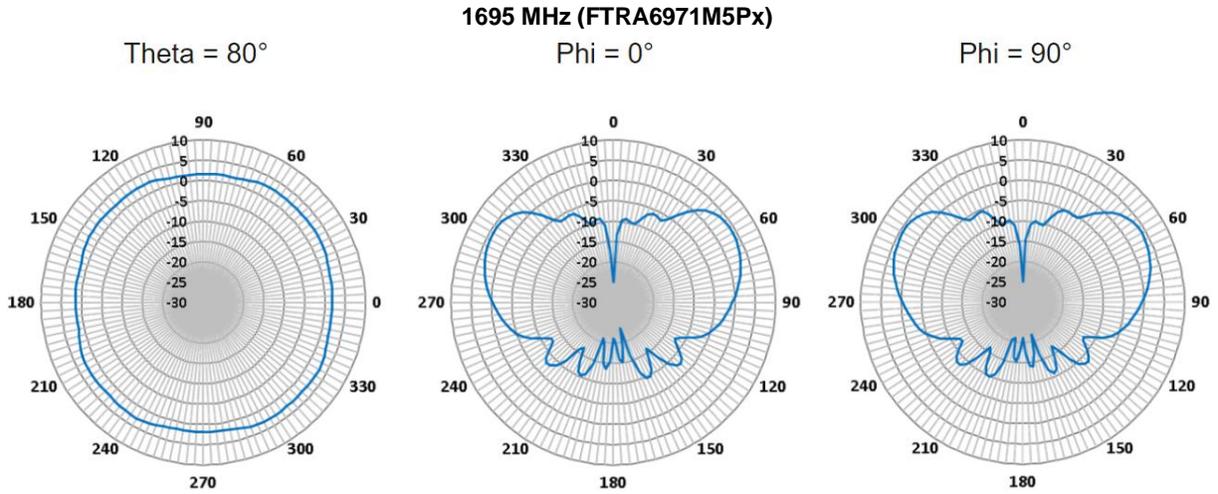


5925 MHz (FTRA6171M5Px)



RADIATION PATTERNS (CONTINUED)



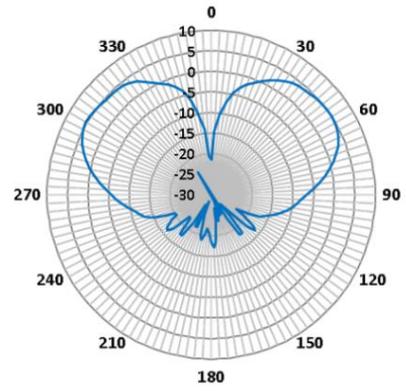
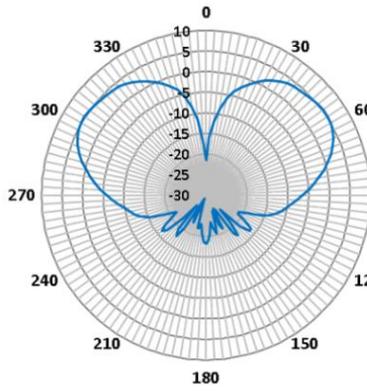
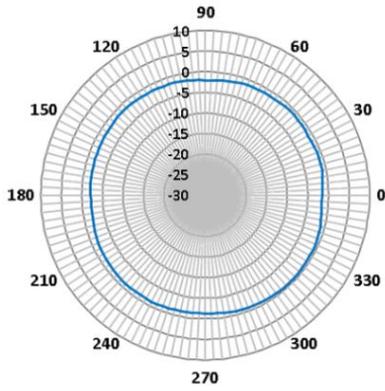


2700 MHz (FTRA6971M5Px)

Theta = 80°

Phi = 0°

Phi = 90°

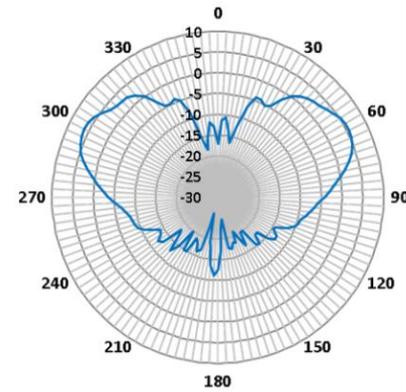
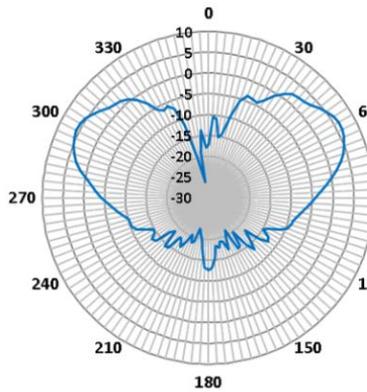
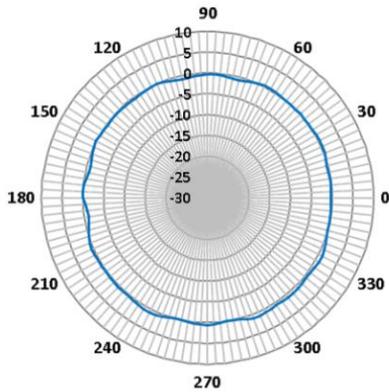


3300 MHz (FTRA6971M5Px)

Theta = 80°

Phi = 0°

Phi = 90°

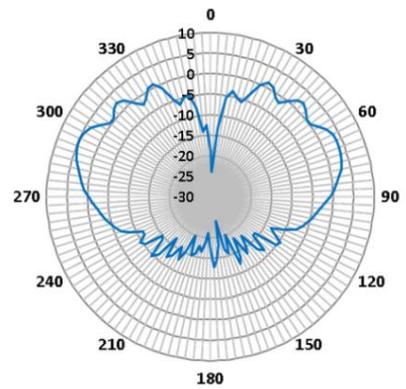
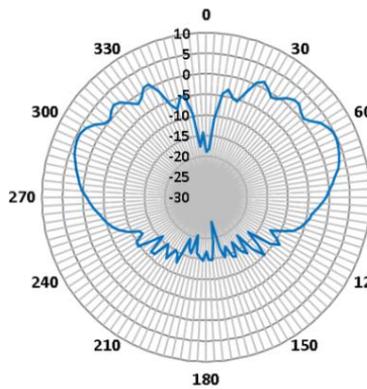
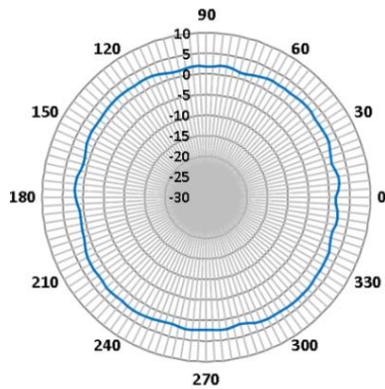


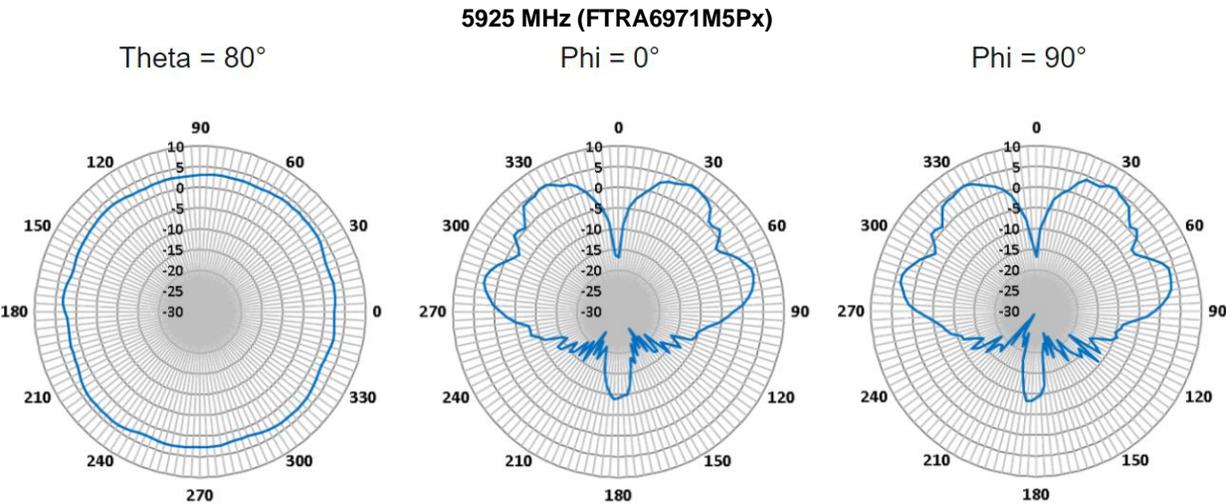
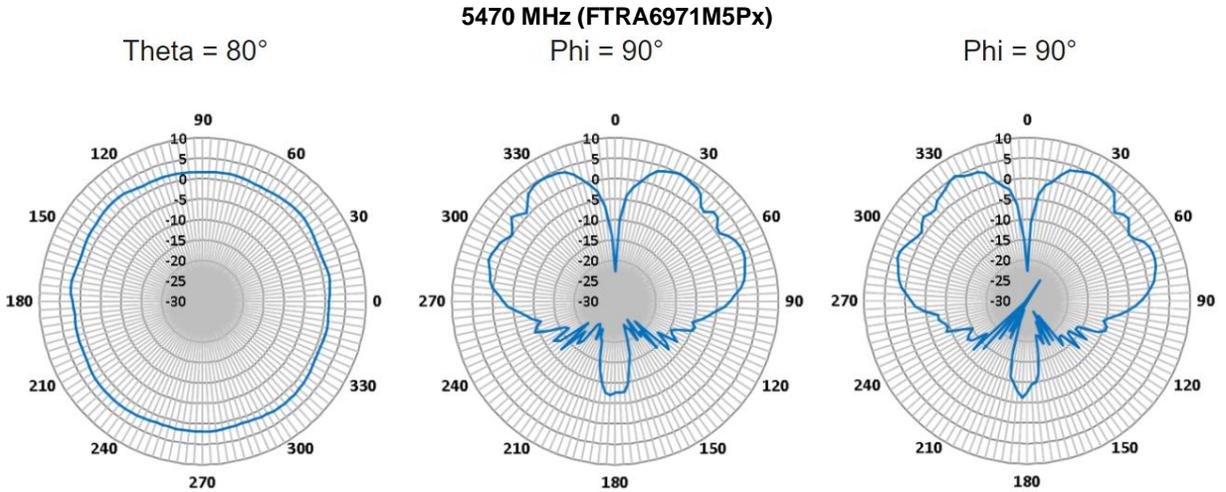
3800 MHz (FTRA6971M5Px)

Theta = 80°

Phi = 0°

Phi = 90°





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