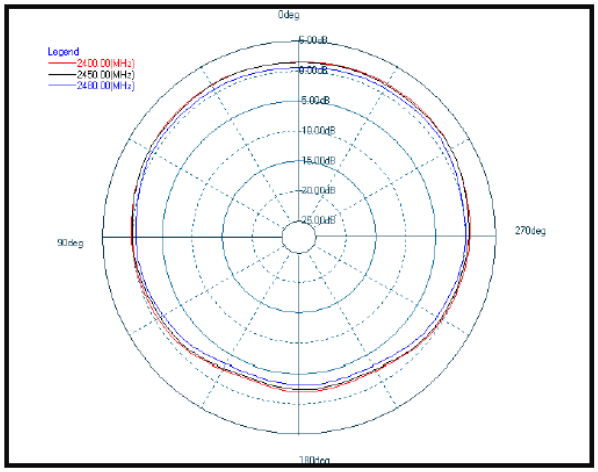
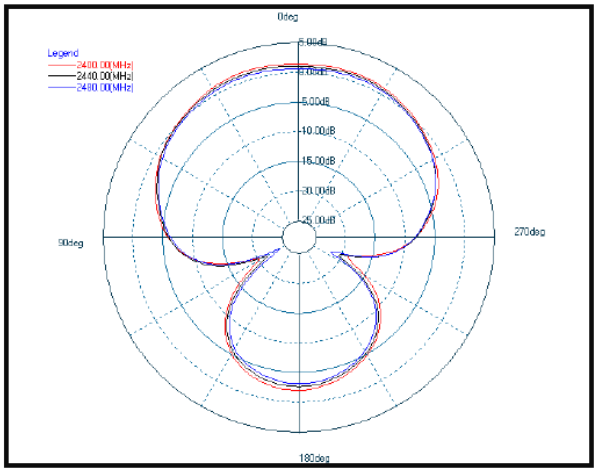
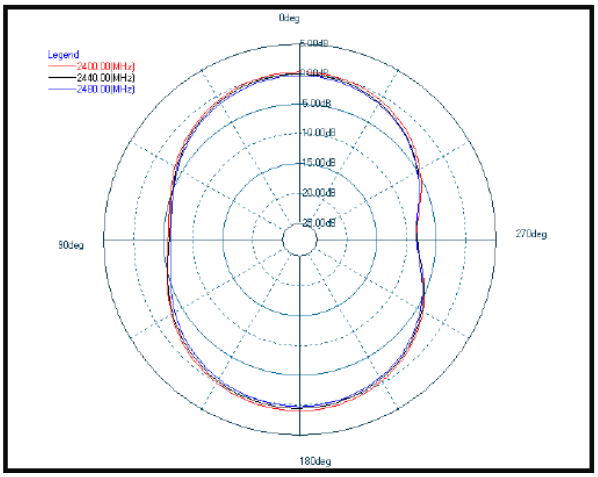
BT FP-100 Antenna Efficiency and Peak Gain

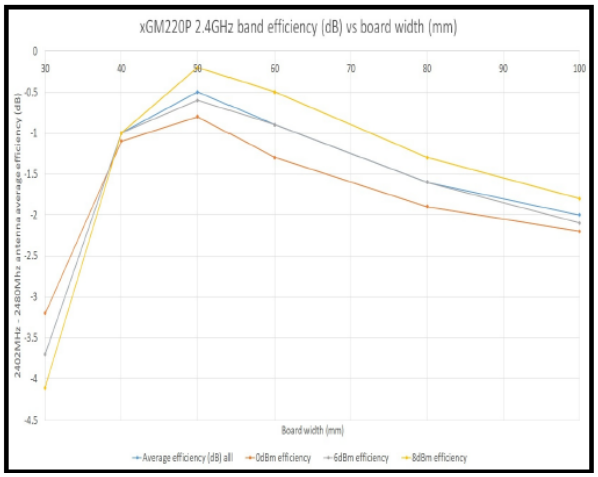
Parameter	With optimal layout	Note
Efficiency	-1 dB	Antenna efficiency, gain and radiation pattern are highly dependent on the application PCB layout and mechanical design. Refer to Design Guidelines for recommendations to achieve optimal antenna performance.
Peak gain	1.86 dBi	

BT FP-100 Typical 2D Antenna Radiation Patterns and Efficiency









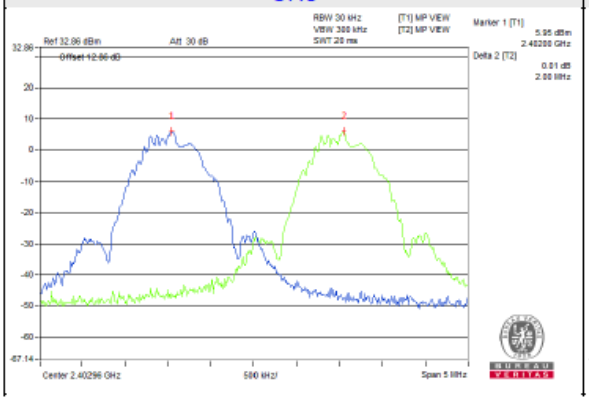
BT FP-100 Antenna Radiation Efficiency

Mode A1

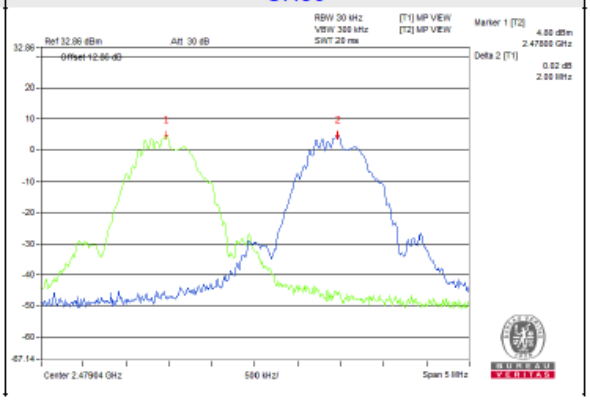
Channel Number	Frequency (MHz)	Channel Separation (MHz)	Minimum Limit (MHz)	Pass /Fail
0	2402	2	0.1	Pass
39	2480	2	0.1	Pass

Note: The limitation is from OCB of a single hop and this value must greater and equal to 100kHz.

CH0



CH39

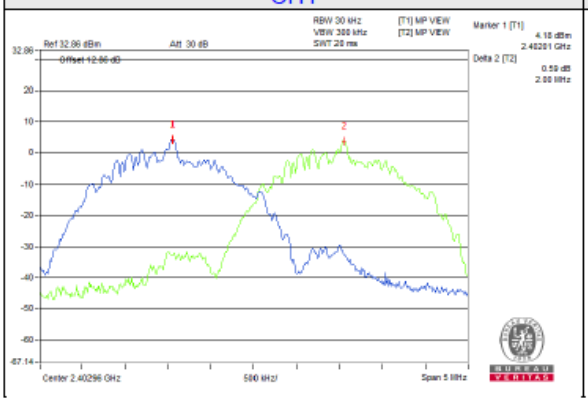


Mode A2

Channel Number	Frequency (MHz)	Channel Separation (MHz)	Minimum Limit (MHz)	Pass /Fail
1	2404	2	0.1	Pass
38	2478	2	0.1	Pass

Note: The limitation is from OCB of a single hop and this value must greater and equal to 100kHz.

CH1



CH38