

WLAN + Bluetooth LE Module LBEE0ZZ2HV Antenna Report

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Summary

Total efficiency

Frequency [MHz]			[dB]	[%]
2400	2442	2484	Average	Average
-5.0	-4.9	-5.8	-5.2	30.1

Peak gain

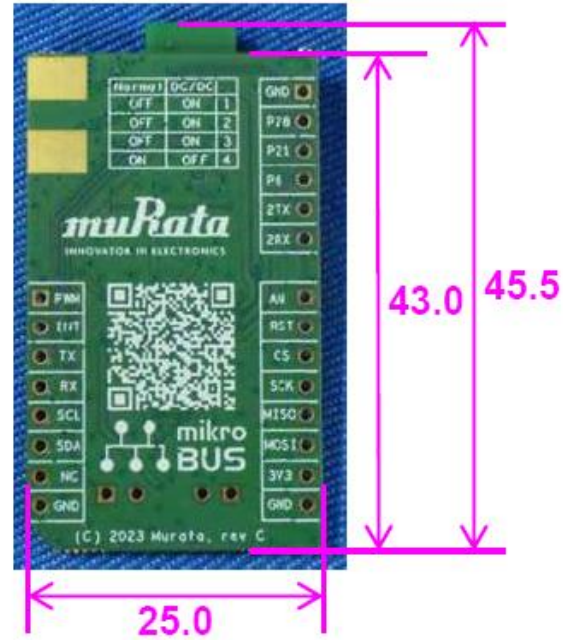
Frequency [MHz]			[dBi]
2400	2442	2484	Max.
-2.0	0.0	-2.5	0.0

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1. Appearance
2. Measurement condition
3. Measurement direction
4. Measurement result

1. Appearance



<Type2HV>



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D> 2. Measurement condition

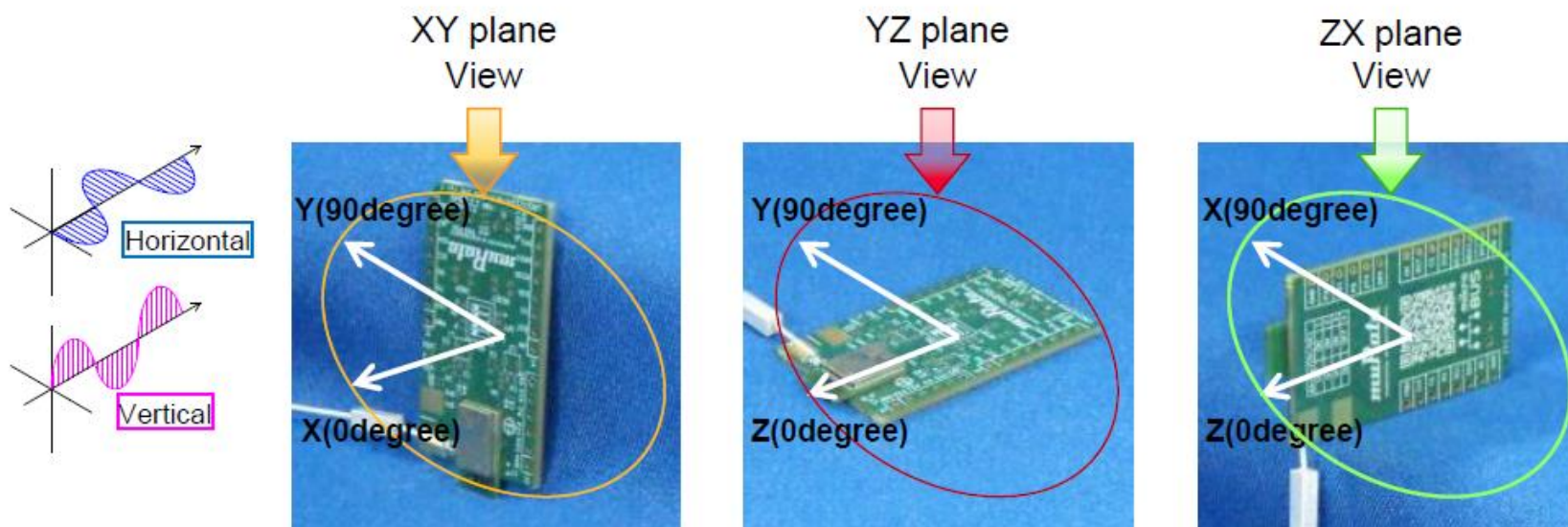
Tuning 1	Matching circuit			
	Series 1	Series 2	Shunt	Series 3
6.8nH	0ohm	2.2nH	2.4pF	0ohm

Size:0603 LQP03 / GRM03 / Resistor

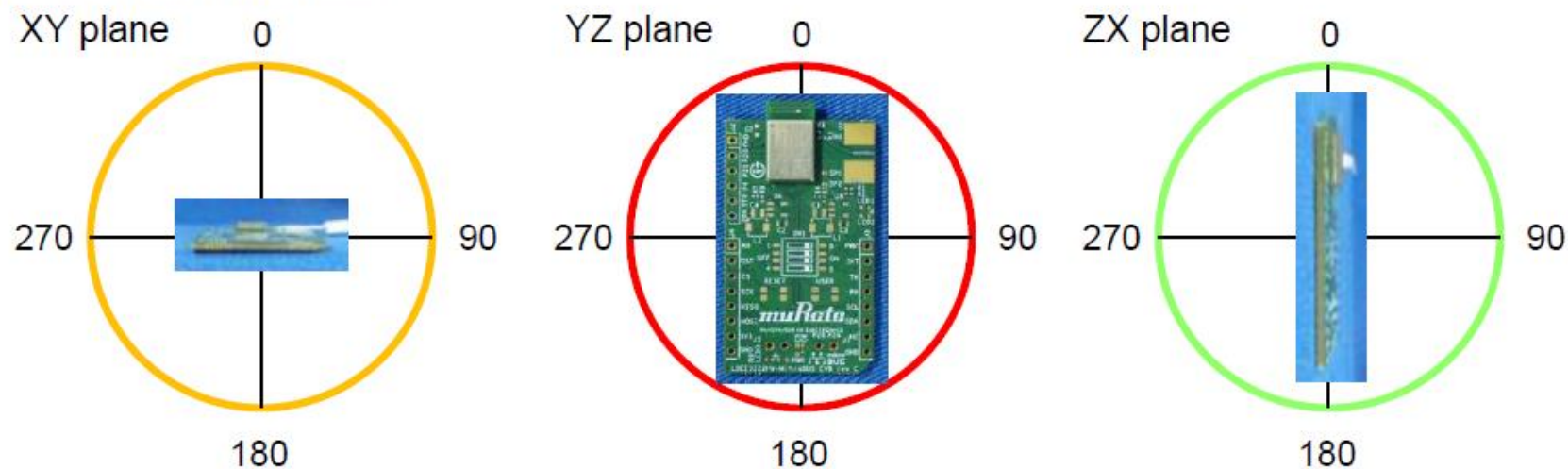


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3. Measurement direction

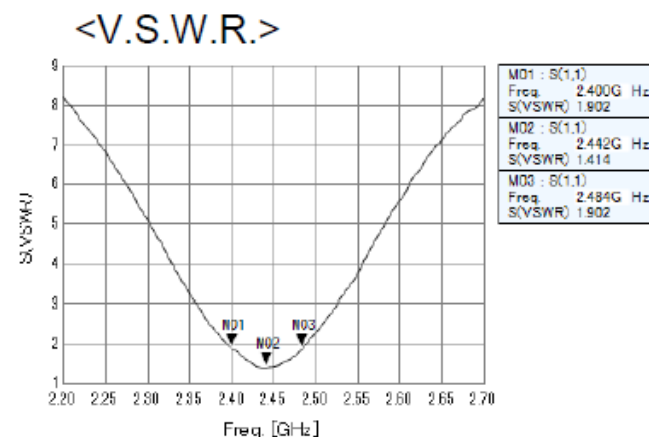
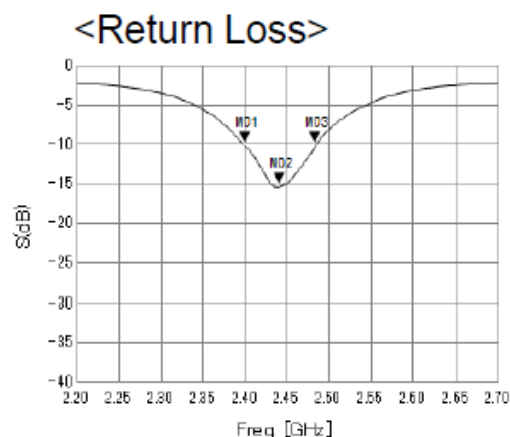


2D Directional indication



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D> 4. Measurement result

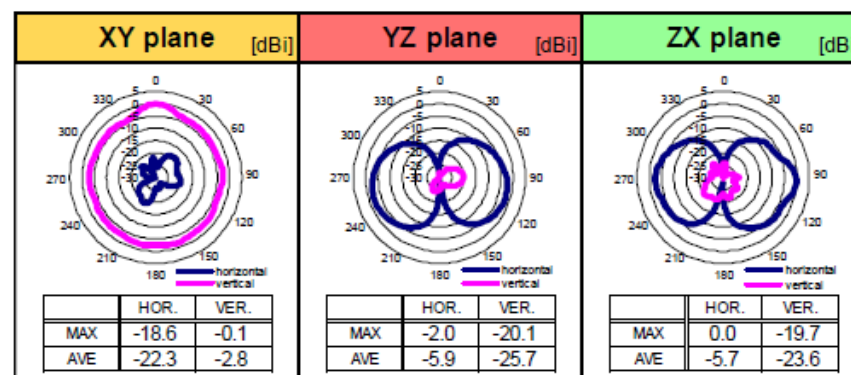


<Efficiency>

LINEAR POLAMIZATION		XY-plane		YZ-plane		ZX-plane		Total Efficiency
		hor.	ver.	hor.	ver.	hor.	ver.	
2400 MHz	MAX.	-17.8	-2.0	-2.4	-19.6	-2.7	-22.7	-5.0
	AVE.	-24.5	-3.0	-5.9	-23.8	-6.7	-27.1	
2442 MHz	MAX.	-18.6	-0.1	-2.0	-20.1	0.0	-19.7	-4.9
	AVE.	-22.3	-2.8	-5.9	-25.7	-5.7	-23.6	
2484 MHz	MAX.	-17.2	-2.7	-4.0	-19.4	-2.5	-20.3	-5.8
	AVE.	-19.9	-3.8	-7.8	-22.8	-6.8	-23.7	

*Red color shows peak gain

<Directivity>



@2442MHz

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