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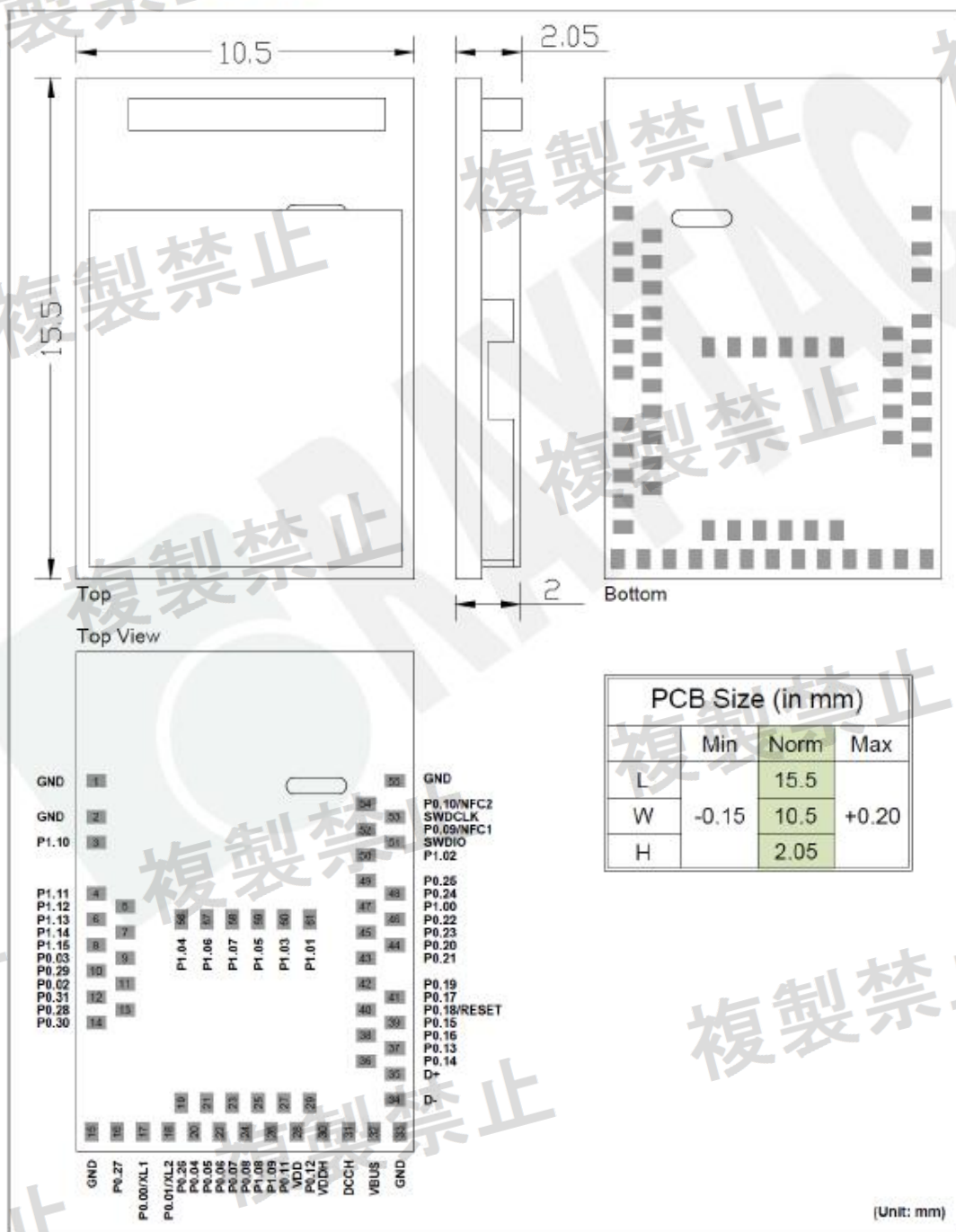
Approval Sheet

(產品承認書)

產品名稱 (Product)	<u>Bluetooth Low Energy Module</u>
解決方案 (Solution)	<u>Nordic nRF52840 aQFN Package</u>
產品型號 (Model No.)	<u>MDBT50Q – 1MV2 (Chip Antenna)</u>

Model	Working distance (in Meters)			Operating Temperature
	125 Kbps	1 Mbps	2 Mbps	
MDBT50Q-1MV2	over 550	over 300	over 150	-40 ~ 85°C

• **MDBT50Q-1MV2**



Model

Antenna

Photo

MDBT50Q-1MV2

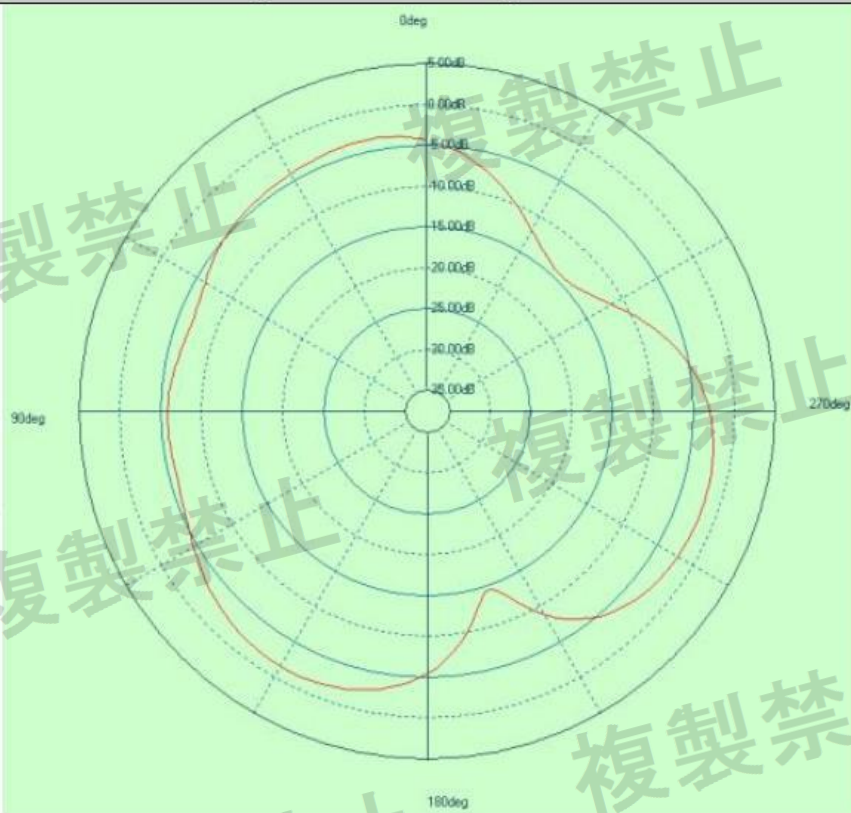
Chip/Ceramic

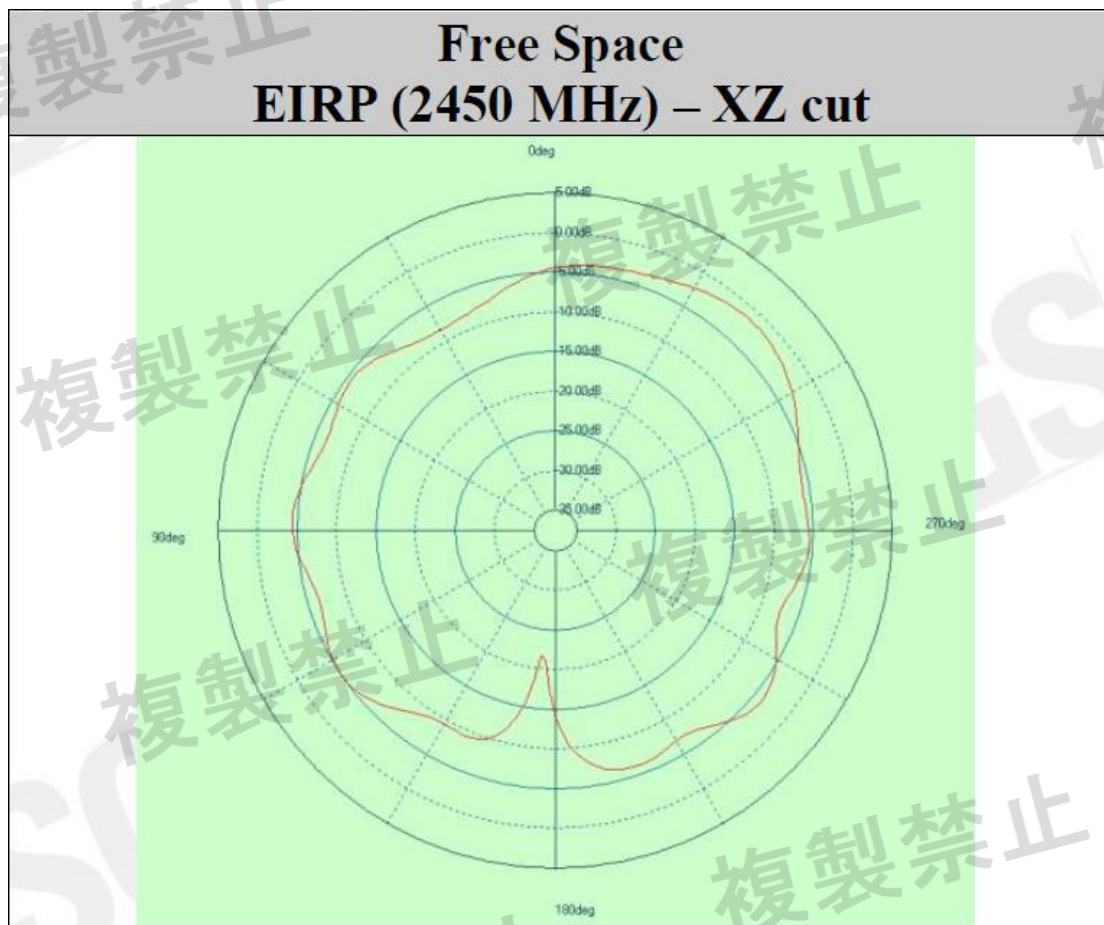


Antenna Gain and Efficiency

MDBT50Q (CHIP antenna)			
Freq(MHz)	Peak. dBi	Efficiency	Average . dBi
2400.00	-1.47	25.18%	-5.99
2410.00	-1.27	26.07%	-5.84
2420.00	-1.32	27.15%	-5.66
2430.00	-1.12	28.51%	-5.45
2440.00	-0.80	29.41%	-5.32
2450.00	-0.65	29.59%	-5.29
2460.00	-0.82	28.98%	-5.38
2470.00	-0.94	29.31%	-5.33
2480.00	-0.88	29.12%	-5.36
2490.00	-0.98	27.60%	-5.59
2500.00	-1.49	24.96%	-6.03

Free Space
EIRP (2450 MHz) – XY cut





Free Space
EIRP (2450 MHz) – YZ cut

