# Summary



## Module: LBEE5HY1MW

- Antenna model number
- Antenna type
- Max antenna gain
- Frequency range

: ANT162442DT

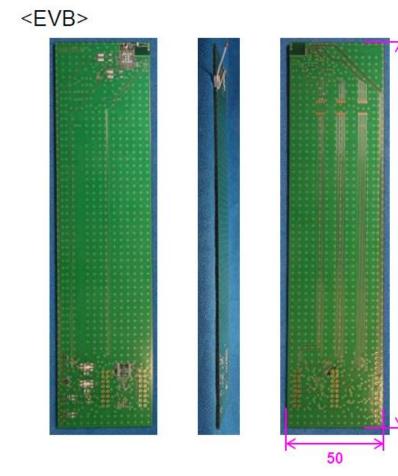
2

2

- : Monopole antenna (Chip + pattern)
  - +2.1 dBi @2442MHz +3.5 dBi @5150MHz
  - 2400-2483.5MHz, 5150-5850MHz

# Appearance

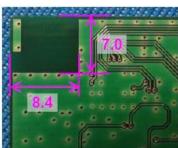




#### <Antenna area>

200

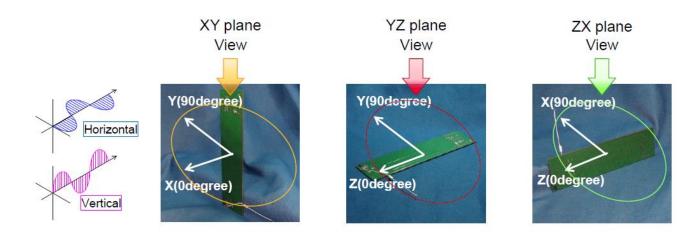




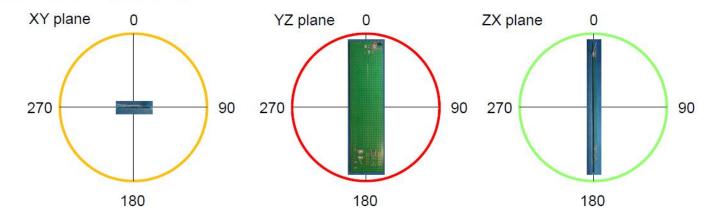
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## **Measurement condition**





#### 2D Directional indication





### <Efficiency>

#### \*Red color shows peak gain

							dBi	[dB]
LINEAR		XY-plane		YZ-plane		ZX-plane		Total
POLAMIZATION		hor.	ver.	hor.	ver.	hor.	ver.	Efficiency
2400 MHz	MAX.	-8.0	-5.8	1.3	-21.1	-2.1	-2.3	
	AVE.	-11.9	-9.6	-6.2	-26.1	-8.9	-5.7	-5.4
2442 MHz	MAX.	-7.7	-6.2	1.8	-20.9	-1.1	-1.7	
	AVE.	-11.6	-9.6	-5.6	-25.5	-8.2	-5.3	-4.8
2484 MHz	MAX.	-7.5	-6.6	2.1	-19.8	-0.6	-1.3	
	AVE.	-11.5	-9.7	-5.3	-24.3	-7.6	-5.0	-4.5

[dBi] [dB]

LINEAR		XY-plane		YZ-plane		ZX-plane		Total
POLAMIZATION		hor.	ver.	hor.	ver.	hor.	ver.	Efficiency
5150 MHz	MAX.	-7.5	-3.1	3.5	-14.6	0.5	0.0	
	AVE.	-13.0	-7.4	-4.4	-22.2	-6.5	-6.6	-4.7
5500 MHz	MAX.	-5.4	-4.4	2.7	-13.7	0.9	0.3	
	AVE.	-10.6	-9.0	-4.6	-22.7	-6.8	-6.8	-4.7
5850 MHz	MAX.	-7.2	-8.8	1.2	-15.3	0.3	-1.1	
	AVE.	-12.7	-11.9	-5.3	-23.9	-7.3	-7.7	-5.5



#### <Directivity> XY plane YZ plane ZX plane [dBi] [dBi] [dBi] @2442MHz rizonte horizonte horizont vertical vertical vertical HOR. VER. HOR. VER. HOR. VER. MAX -7.7 -6.2 MAX 1.8 -20.9 MAX -1.1 -1.7 AVE AVE AVE -11.6 -9.6 -5.6 -25.5 -8.2 -5.3

## <Directivity>

XY plane [dBi]	YZ plane [dBi]	ZX plane [dBi]	
0 0 0 0 0 0 0 0 0 0 0 0 0 0	300 300 90   270 300 90   200 150 120   150 150 150   160 150 vertical   HOR. VER.   MAX 2.7 -113.7   AVE -4.6 -22.7	0 0 0 0 0 0 0 0 0 0 0 0 0 0	@5500MHz

#### \* Typical (2442MHz) waveform data