Dreamus Corp.

APPROVAL SHEET

PS10				
NO	MODEL	FREQUENCY		
1	HWI-ABG-PS10	WIFI 2.4GHz/BT	2400 ~ 2500 MHz	
		WIFI 5GHz	5170 ~ 5825 MHz	

SUPPLIER			CUSTOMER		
Engineer	Review	Approved	Engineer	Review	Approved
		3/2			
24/11/25		24/11/25			

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#1002 IT303-DONG, PUCHONTECHNOPARK III 36-1
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HISTORY SHEET

ITEM	LPS AN	TENNA	Developed by	Kyoung-Min Lee	00
Part Name	HWI-AE	BG-PS10	Director		
Rev. No.	Date		Description		Etc.
0	2024-11-25	Initial Version			

ANTENNA SPECIFICATION

1. MODEL: HWI-ABG-PS10

2. APPLICATION:

This specification is provided for WIFI 2.4, 5GHz, BT ANTENNA.

3 ANTENNA used condition

■Portable ■Fixing ■Movement ■Out-door ■In-door ■Etc()

4. ANTENNA Drawing

#3. Attached: Drawing paper

5. Electrical specification and performance

Satisfied next data with real used or similar environment conditions.

No.	ELECTRICAL DATA	SPECIFICATIONS		REMARK
5. 1	FREQUENCY RANGE	WIFI 2.4GHz /BT	2400 ~ 2500 MHz	
		WIFI 5GHz	5170 ~ 5825 MHz	
5. 2	IMPEDANCE	50 Ω NOMINAL		
5. 3	V. S. W. R	WIFI 2.4GHz /BT	Less than 1:3.03	#1. Attached
		WIFI 5GHz	Less than 1:4.03	
5. 4	PEAK GAIN	WIFI 2.4GHz /BT	−2.47 dBi	#2. Attached
		WIFI 5GHz	−2.21 dBi	
5. 5	RADIATION PATTERN	OMNI - DIRECTIONAL		
5. 6	POLARIZATION	LINEAR		

6. Hardware specification and mechanical

No.	MECHANICAL	SPECIFICATIONS	REMARK
2. 6. 1	Carrier Size [W X H X T]	44.00 X 9.54 X 8.95 (mm)	

7. TEST and Q/C

It must comply with the requirements of the approver and the requirements of the approver and must comply with quality control regulations.

8. Packing

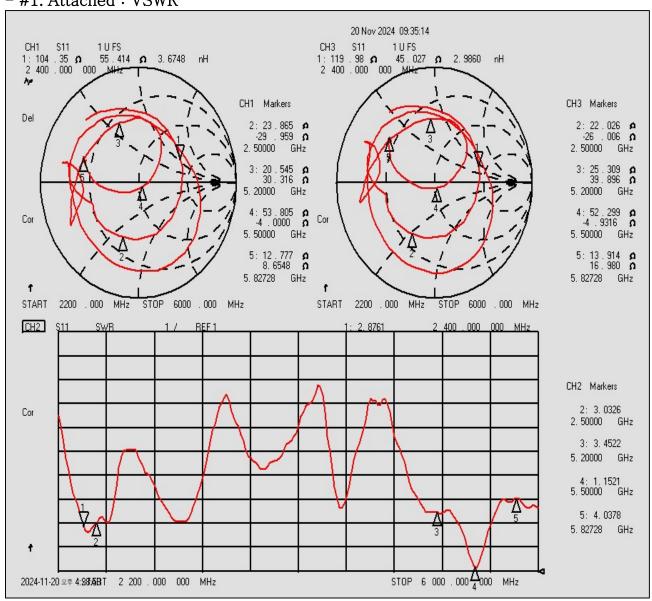
After packing the product according to the characteristics of the product, it is packed in an appropriate box to prevent movement.

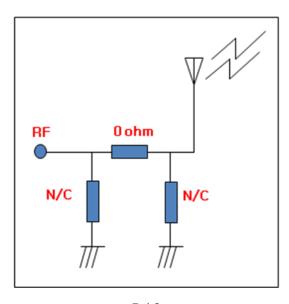
Product packaging follows our regulations unless otherwise requested by the customer.

9. Product Warranty

This product is obligated to repair or exchange it free of charge immediately only if a defect that is deemed to be defective in design and manufacture occurs within one year of delivery.

- #1. Attached: VSWR





#2. Attached: RADIATION PATTERN(GAIN)_WIFI 2.4GHz/BT Screen capture User Info 3D Graph Print Delete Report Open Save 8 20 + Select Graph 8 Summary Save as Delete Add Sort **おおかめ** Ψį 贸 _ /≌ 345 STOP 33 Efficiency[%] 15.356% 14.595% 17.547% 16.486% 13.294% 13.591% 11.428% Wi-Fi 235 E2 plan 240 8 Select Frequency 292 285 8 2D Avg[dBi] START 000000000 8 8 8 33 3D Avg[dBi] 8.117 7.365 8.338 7.538 7.538 7.538 7.299 8.428 8.744 8.744 9.400 8 H+V POL o/ 49 A 4 8 8 4 Phi[deg] 圝 Measurement Pol /≌ 345 Theta[deg] Plan - Vertical 8 8 8 8 8 8 8 8 8 8 8 88 \Box 225 315 Measurement Setup 23.075 22.486 21.926 22.877 21.915 22.110 23.324 23.324 25.255 540 8 Calibration 2 Plan - Horizontal 統 88 Ш 23 Angle Step E2 plan 315 315 315 285 285 285 285 285 285 285 285 285 Plan <u>B</u> H plan E1 plan 30 Measurement Theta[deg] Polar 8 H Line V Line o/ 49 정 (위)등 *)*등 LC. 圙 0 Hor+Ver | Horizontal | Vertical | PeakValue | 4.163 3.491 2.598 3.518 2.505 2.205 3.037 3.336 4.104 2024-04-04 오후 3:54:24 345 HV Sum Line Frequency[MHz] 8 2400.000 2412.000 2424.000 2436.000 2448.000 2472.000 2472.000 2484.000 2500.000 225 H plan 240 8 Data

33

88

2

- #3. Attached: RADIATION PATTERN(GAIN)_ WIFI 5GHz Screen capture User Info 3D Graph Report Print Delete Open Save 88 Select Graph (短 Summary Save as Delete Add Sort 4 圆 8 345 Wi-Fi 5GHz STOP 330 Efficiency[%] 13.487% 14.472% 12.879% 8.392% 6.819% 4.634% 5.696% 5.239% 4.310% 225 315 E2 plan 240 98 Select Frequency 292 88 23 2D Avg[dBi] START 00000000 8 8 8 3D Avg[dBi] -8.681 -8.375 -8.881 -10.742 -11.643 -13.320 -12.424 -12.787 -13.636 8 H+V POL 8 8 8 8 8 이 땅은 Phi[deg] Wi-Fi 5GHz 圆 Measurement Pol 38 345 Theta[deg] Plan - Vertical 8 8 8 8 8 8 8 8 8 8 F 225 315 Measurement Setup 25.317 30.105 28.648 29.440 29.070 28.659 31.392 27.470 240 Calibration 5 8 Plan - Horizontal 255 285 2 Angle Step Phi[deg] E2 plan 330 330 330 330 255 240 Plan Hor+Ver | Horizontal | Vertical | H plan | E1 plan | 3D Measurement Polar 이 바 은 법 **8** % H Line V Line 8 Peak Value 2.2779 2.2519 2.2217 4.865 5.299 7.290 6.494 7.304 2024-11-18 오후 5:13:25 8 345 Data | HV Sum Line Frequency[MHz] 33 5150.000 5200.000 5300.000 5400.000 5500.000 5800.000 5825.000 315 235 240 8 292 88 2

- #3. Drawing paper

