

SPECIFICATION FOR APPROVAL

1. CUSTOMER

テクノホライゾン株式会社

2. CUSTOMER PART NAME

WIFI-ANTENNA-P3W

3. CUSTOMER CODE

5ZA0000751

4. ANT TYPE

FPC

5. PROPOSES DATES

2023-6-15

6. manufacturer

7. ERSION

V0

CUSTOMER APPROVAL



ユーテック

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Change History

No.	version	Revision content	Revision date	Revised
1	V0	Initial Release	2023-06-15	Xiaoshuqin

FPC WiFi Dual band antenna WiFi Dual band antenna 3N0401BK-062

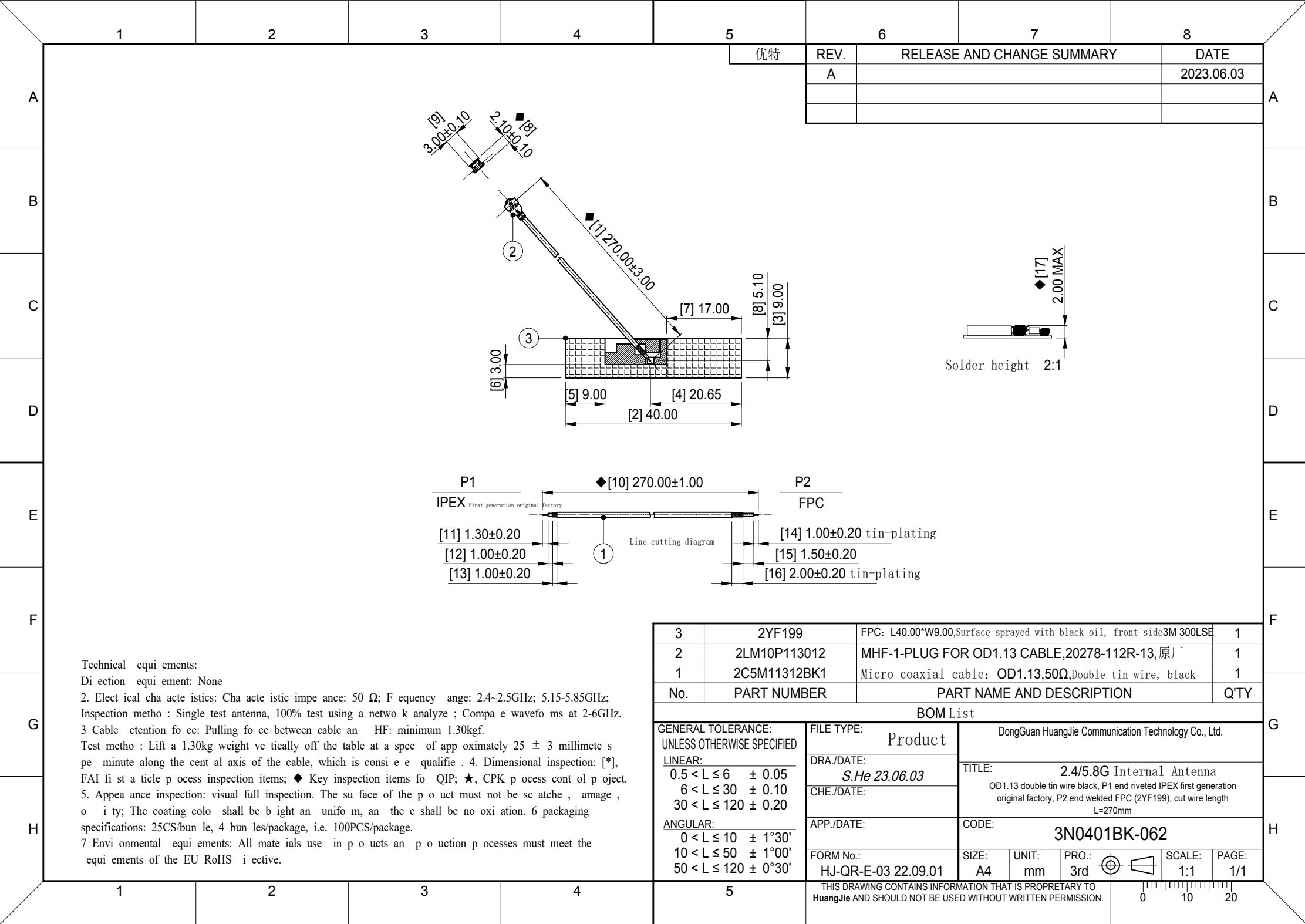
characteristic

- Aesthetics
 - Working 24/7
 - Optimized dimensions
- Medium gain, low standing wave
- Flexible

Application:

- WIFI system

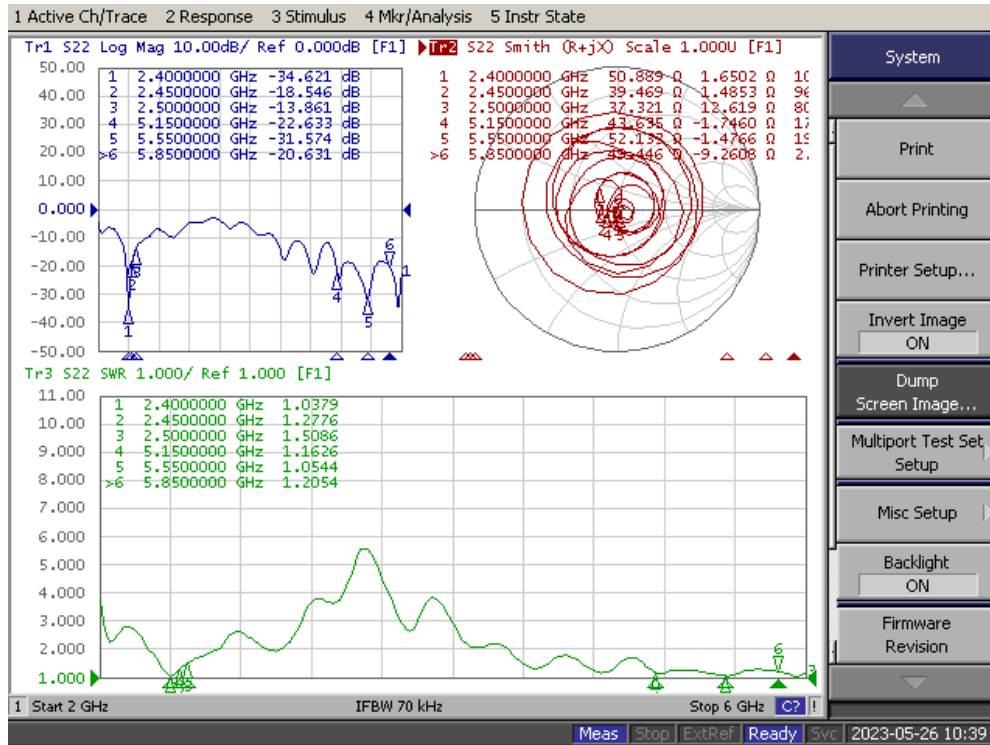
Model NO	3N0401BK-062
Electric Spec	
Frequency rang-MHz	2400-2500MHz 5150-5850MHz
Bandwidth -MHz	See waveform diagram for details
Gain -dBi	see table
VSWR	2.0 MAX.
Impedance-Ω	50
Connector model	generation Ipex
CABLE Spec	RG-113 Black coaxial line
Mechanical Specification	
Size -mm	L=270mm
Antenna weight-kg	/
Working Temperature -° c	-40~+60
Radome color	black





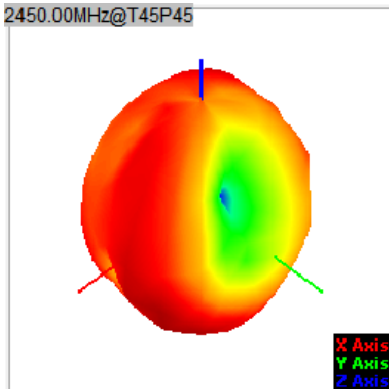
Antenna Electrical Characteristic Test Report

Part Number:	3N0401BK-062	Item	Spec	Judge
Part Name:	FPC WIFI Dual band antenna	Characteristic impedance	50Ω	OK
Test Equipment	Network analyzer/microwave darkroom	2400-2500MHz VSWR	2.0 Max	OK
Quantity	2 pcs	5150-5850MHz VSWR	2.0 Max	OK
Test Date	2023/06/09	Gain	See table	OK

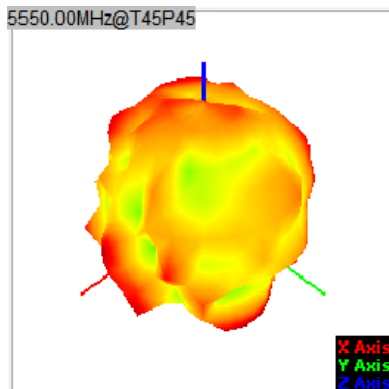


Frequency ID	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26
Frequency (MHz)	2400.0	2410.0	2420.0	2430.0	2440.0	2450.0	2460.0	2470.0	2480.0	2490.0	2500.0	5150.0	5200.0	5250.0	5300.0	5350.0	5400.0	5450.0	5500.0	5550.0	5600.0	5650.0	5700.0	5750.0	5800.0	5850.0
Point Values																										
Ant. Port Input Pwr. (dBm)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tot. Rad. Pwr. (dBm)	-1.34	-1.45	-1.57	-1.61	-1.53	-1.70	-1.79	-2.04	-1.65	-1.68	-1.78	-1.88	-1.98	-1.90	-2.42	-2.36	-2.14	-2.31	-2.26	-2.13	-2.28	-2.66	-2.64	-2.41	-2.38	-2.30
Peak EIRP (dBm)	2.63	2.61	2.65	2.65	2.63	2.31	2.25	2.27	2.73	2.93	3.10	2.88	2.74	2.77	2.81	2.85	3.33	3.36	3.35	3.66	3.56	2.86	2.45	2.92	3.45	3.79
Directivity (dB)	3.98	4.06	4.22	4.26	4.16	4.01	4.03	4.31	4.39	4.62	4.88	4.76	4.73	4.67	5.23	5.21	5.47	5.67	5.61	5.79	5.84	5.52	5.09	5.34	5.83	6.09
Efficiency (dB)	-1.34	-1.45	-1.57	-1.61	-1.53	-1.70	-1.79	-2.04	-1.65	-1.68	-1.78	-1.88	-1.98	-1.90	-2.42	-2.36	-2.14	-2.31	-2.26	-2.13	-2.28	-2.66	-2.64	-2.41	-2.38	-2.30
Efficiency (%)	73.40	71.60	69.70	69.00	70.30	67.60	66.30	62.50	68.30	67.90	66.40	64.90	63.40	64.60	57.30	58.10	61.10	58.70	59.40	61.20	59.10	54.20	54.40	57.40	57.80	58.80
Gain (dB)	2.63	2.61	2.65	2.65	2.63	2.31	2.25	2.27	2.73	2.93	3.10	2.88	2.74	2.77	2.81	2.85	3.33	3.36	3.35	3.66	3.56	2.86	2.45	2.92	3.45	3.79

2450.00MHz@T45P45



5550.00MHz@T45P45



Checker: Wang jun

Tester: River