

specification

Customer : 昊一源

Customer P/N:

Part Name: DIRECT CONNECTED EXTERNAL
ANTENNA

HJ P/N: 3D5201BK06-001

Spec Description : EXTERNAL ANTENNA,COVER
BLACK,COPPER TUBE+COPPER
TUBE,RG178 CABLE+RP-TNC PLUG

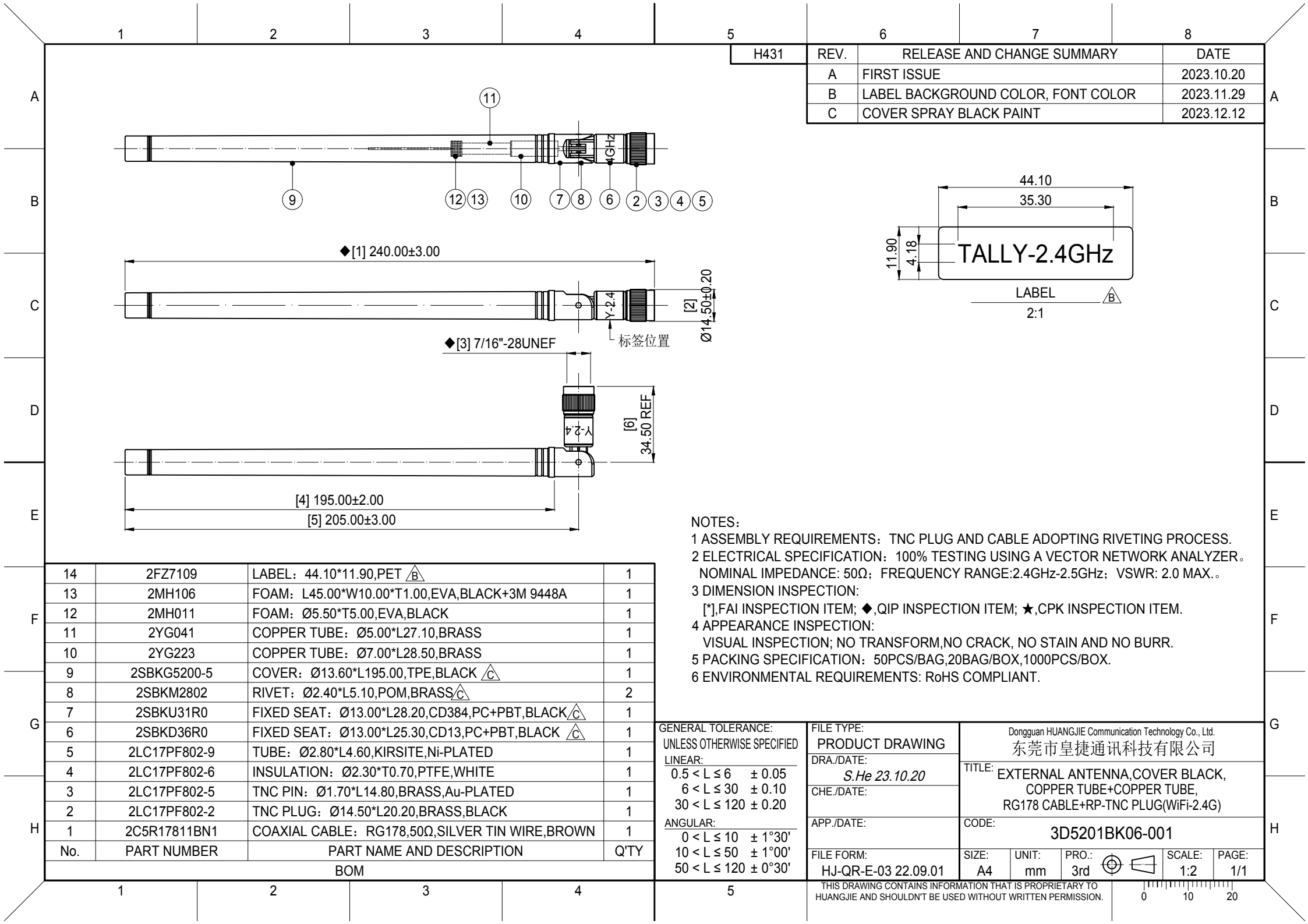
Prepared Date: 2023/12/16

Signature			
Customer		Supplier	
Confirmed by		Prepared by	S.He
Approved by		Checked by	何修明
		Approved by	刘福勇

东莞市皇捷通讯科技有限公司

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DONGGUAN HUANG JIE COMMUNICATION TECHNOLOGY CO., LTD.

2400-2500MHz External antenna

Gel antenn 3D5201BK06-001



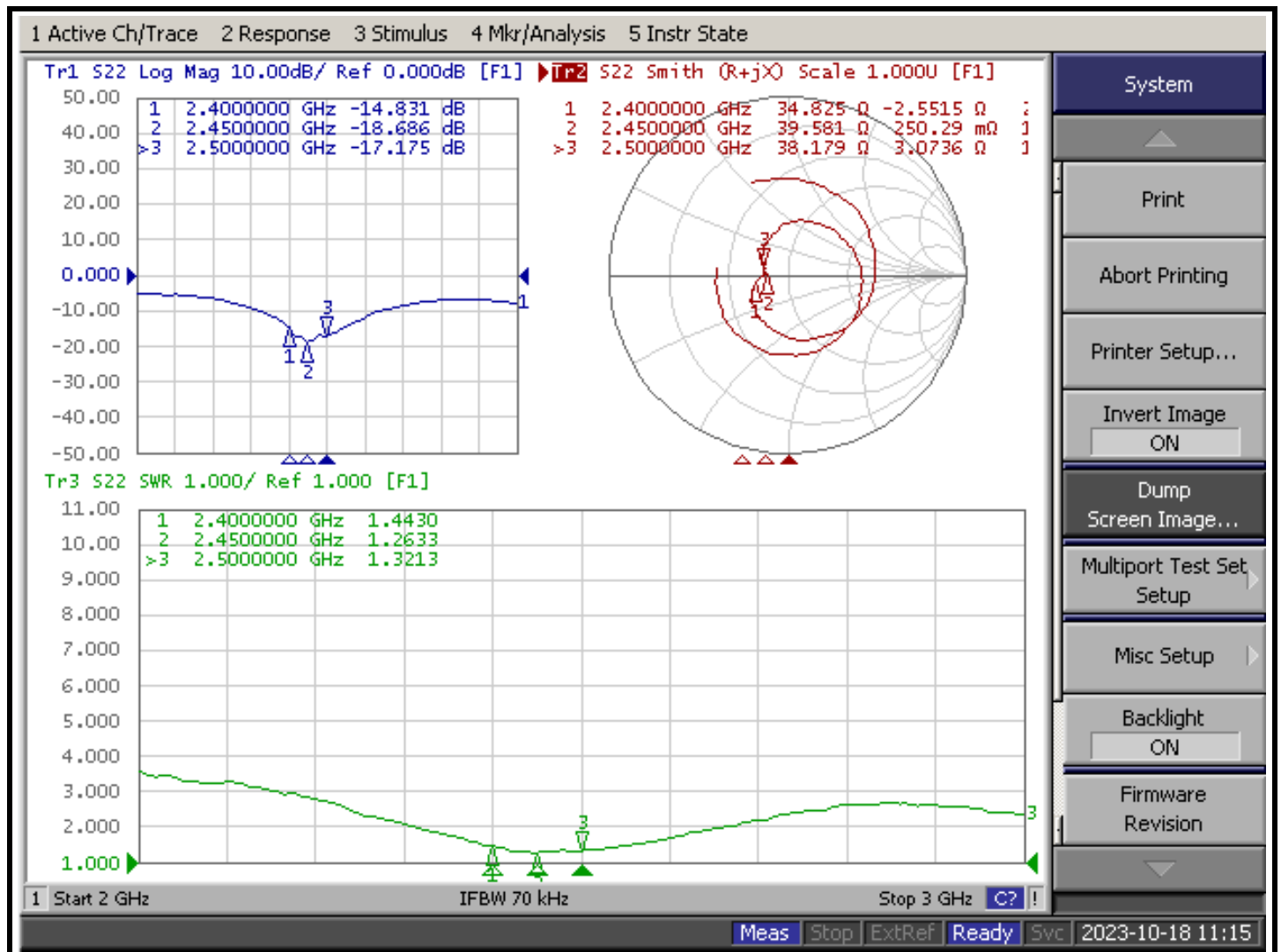
Model NO	3D5201BK06-001
Electric Spec	
Frequency rang-MHz	2400-2500MHz
Bandwidth -MHz	See waveform diagram for details
Gain -dBi	2-3.04 DBI
VSWR	2400-2500MHz ≤ 2.0
Impedance- Ω	50
Connector model	/
CABLE Spec	/
Mechanical Specification	
Size -mm	240.0*14.5mm
Antenna weight-kg	/
Working Temperature - $^{\circ}$ c	-40~60
Radome color	BLACK



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Antenna Electrical Characteristic Test Report

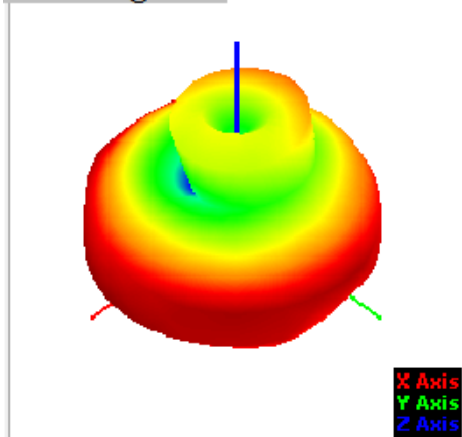
Part Number:	3D5201BK06-001	Item	Spec	Judge
Part Name:	5005-WiFi	VSWR	≤ 2.0	pass
Test Equipment	Network analyzer/ microwave darkroom	Characteristic impedance	50 Ω	pass
Q uantity	2pcs	Gain	2-3dBi	pass
Test Date	2023/10/17			



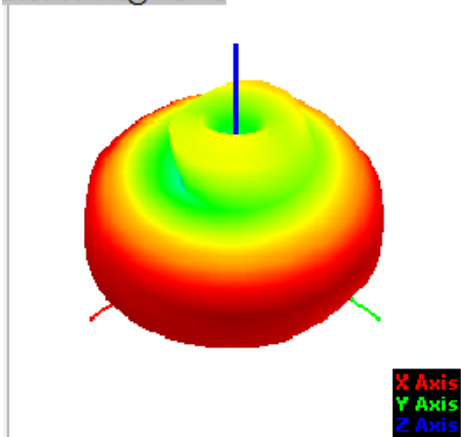


Frequency ID	1	2	3	4	5	6	7	8	9	10	11
Frequency (MHz)	2400.0	2410.0	2420.0	2430.0	2440.0	2450.0	2460.0	2470.0	2480.0	2490.0	2500.0
Point Values											
Ant. Port Input Pwr. (dBm)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tot. Rad. Pwr. (dBm)	-2.16	-2.05	-2.45	-2.06	-2.11	-2.19	-2.34	-2.29	-2.31	-2.18	-2.35
Peak EIRP (dBm)	2.96	3.04	2.58	2.94	2.74	2.68	2.64	2.82	2.84	2.92	2.69
Directivity (dBi)	5.12	5.09	5.02	5.00	4.85	4.88	4.99	5.12	5.14	5.11	5.04
Efficiency (dB)	-2.16	-2.05	-2.45	-2.06	-2.11	-2.19	-2.34	-2.29	-2.31	-2.18	-2.35
Efficiency (%)	60.80	62.40	64.65	65.91	67.04	66.04	65.96	64.18	63.55	60.50	58.20
Gain (dBi)	2.96	3.04	2.58	2.94	2.74	2.68	2.64	2.82	2.84	2.92	2.69

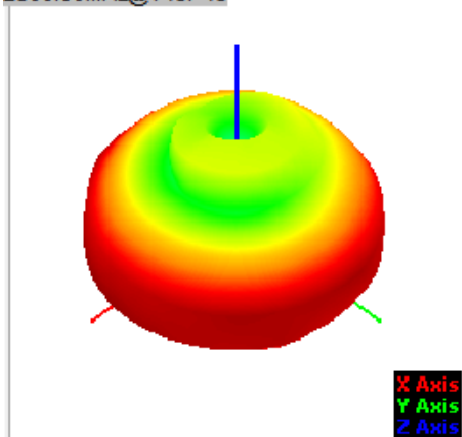
2400.00MHz@T45P45



2450.00MHz@T45P45



2500.00MHz@T45P45



Checked by

何修明

Tested by

SQW