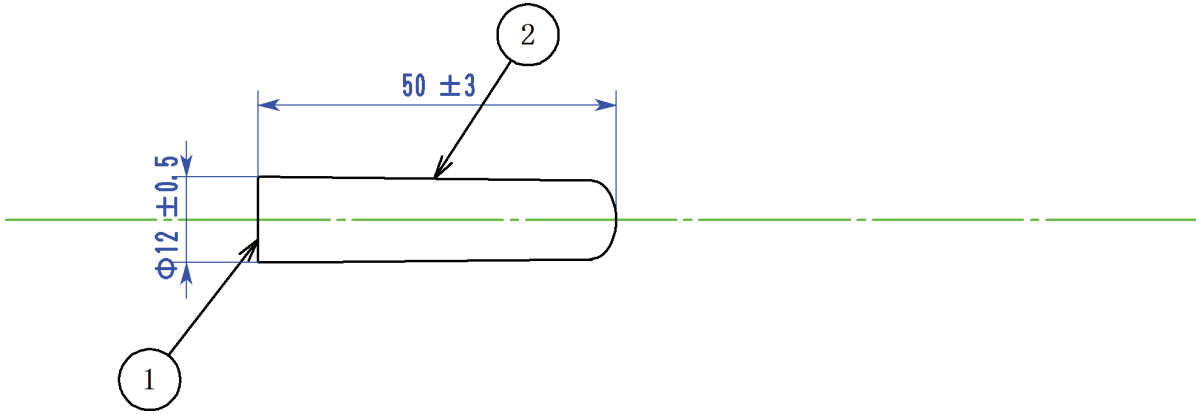


DWG. NO.	REVISIONS																																				
	ZONE	LTR	DESCRIPTION	DATE	APPROVED																																
1. Application	This document specifies a $1/4\lambda$ whip antenna for use with UHF wireless transceivers.																																				
2. Model and Frequency Range	The model name is ANT-2400-SMW2. The frequency range is 2400-2500 MHz with a bandwidth of 100 MHz.																																				
3. Electrical Specifications	a	Bandwidth: 100 MHz VSWR: 2.5:1 or less (at resonant frequency) (Based on our test circuit.)																																			
	b	Impedance : 50 ohms																																			
	c	Gain: UHF 2.14 dB absolute gain or less																																			
4. Appearance and Construction	a	Connector: SMA reverse plug																																			
	b	Length: 50 mm																																			
	c	Diameter: 12 mm																																			
	d	Waterproofing: IPX7 with SMA jack attached																																			
Warning Do not swing the antenna around while it is attached to the communication device.																																					
<table border="1"><thead><tr><th>QTY</th><th>ITEM NO</th><th>PART OR DWG.NO</th><th>NOMENCLATURE OR DESCRIPTION</th><th>SPECIFICATION</th><th>CODE IDENT</th></tr></thead><tbody><tr><td colspan="6">LIST OF MATERIALS OR PARTS LIST</td></tr><tr><td colspan="2" rowspan="4"> TOLERANCE UNIT=METRIC(mm) UNLESS OTHER WISE SPECIFIED . X . XX . XXX MATERIAL FINISH </td><td>DRAFTMAN Y. T</td><td>DATE 25/12/06</td><td colspan="2"> HIDAKA DENKI WORKS CO., LTD. 26-6, 1-CHOME SHIMURA ITABASHIKU TOKYO 174 JAPAN. </td></tr><tr><td>CHECKER</td><td colspan="3">TITLE ANT-2400-SMW2 ®</td></tr><tr><td>ENGINEER</td><td>SIZE</td><td>CODE IDENT NO CID2400WP2</td><td>DWG.NO</td><td>REV</td></tr><tr><td>APPROVED</td><td>SCALE.</td><td>WEIGHT</td><td>SHEET</td><td>OF</td></tr></tbody></table>						QTY	ITEM NO	PART OR DWG.NO	NOMENCLATURE OR DESCRIPTION	SPECIFICATION	CODE IDENT	LIST OF MATERIALS OR PARTS LIST						TOLERANCE UNIT=METRIC(mm) UNLESS OTHER WISE SPECIFIED . X . XX . XXX MATERIAL FINISH		DRAFTMAN Y. T	DATE 25/12/06	HIDAKA DENKI WORKS CO., LTD. 26-6, 1-CHOME SHIMURA ITABASHIKU TOKYO 174 JAPAN.		CHECKER	TITLE ANT-2400-SMW2 ®			ENGINEER	SIZE	CODE IDENT NO CID2400WP2	DWG.NO	REV	APPROVED	SCALE.	WEIGHT	SHEET	OF
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		APPROVED	SCALE.	WEIGHT	SHEET	OF																															
APPLICATION	QTY REQD																																				

DWG. NO.

REVISIONS				
ZONE	LTR	DESCRIPTION	DATE	APPROVED



1	2		Element Cover	Elastomer	
1	1		Reverse-SMA-Plug	C3604/Ni	
QTY	ITEM NO	PART OR DWG.NO	NOMENCLATURE OR DESCRIPTION	SPECIFICATION	CODE IDENT

LIST OF MATERIALS OR PARTS LIST

~~TOLERANCE
UNIT=METRIC(mm)
UNLESS OTHER WISE
SPECIFIED~~

DATE
25/12/05

Y. T

CHECKER

ENGINEER

APPROVED

HIDAKA

HIDAKA DENKI WORKS CO., LTD.

26-6. 1-CHOME SHIMURA
ITABASHIKU TOKYO 174 JAPAN.

TITLE

ANT-2400-SMW2

CODE IDENT NO

CID2400WP2

DWG.NO

REV

SCALE.

WEIGHT

SHEET

OF

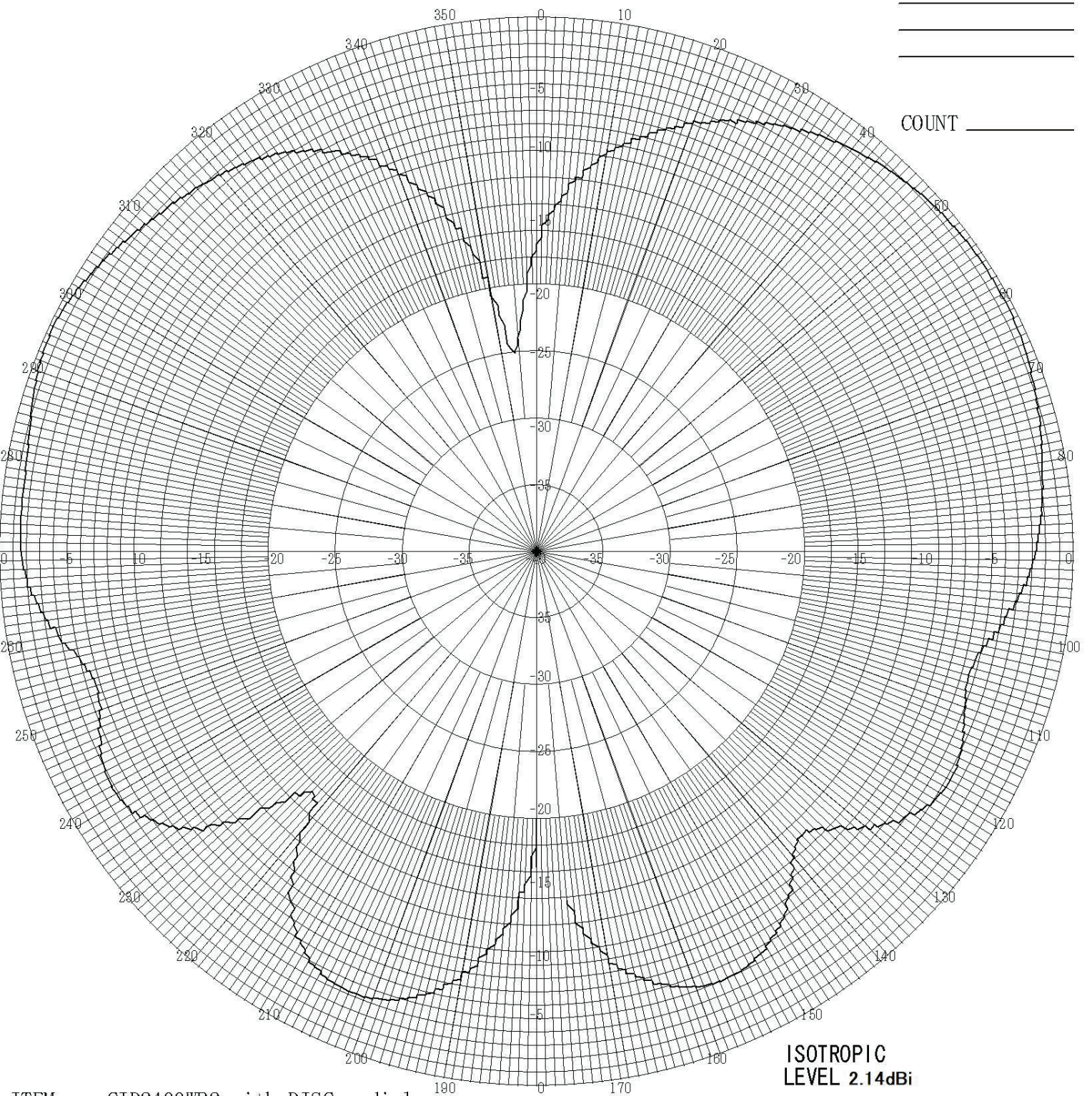
APPLICATION

QTY REQD

RADIATION PATTERN E-plane

REMARKS: _____

COUNT _____



ISOTROPIC
LEVEL 2.14dBi

ITEM CID2400WP2 with DISC radial

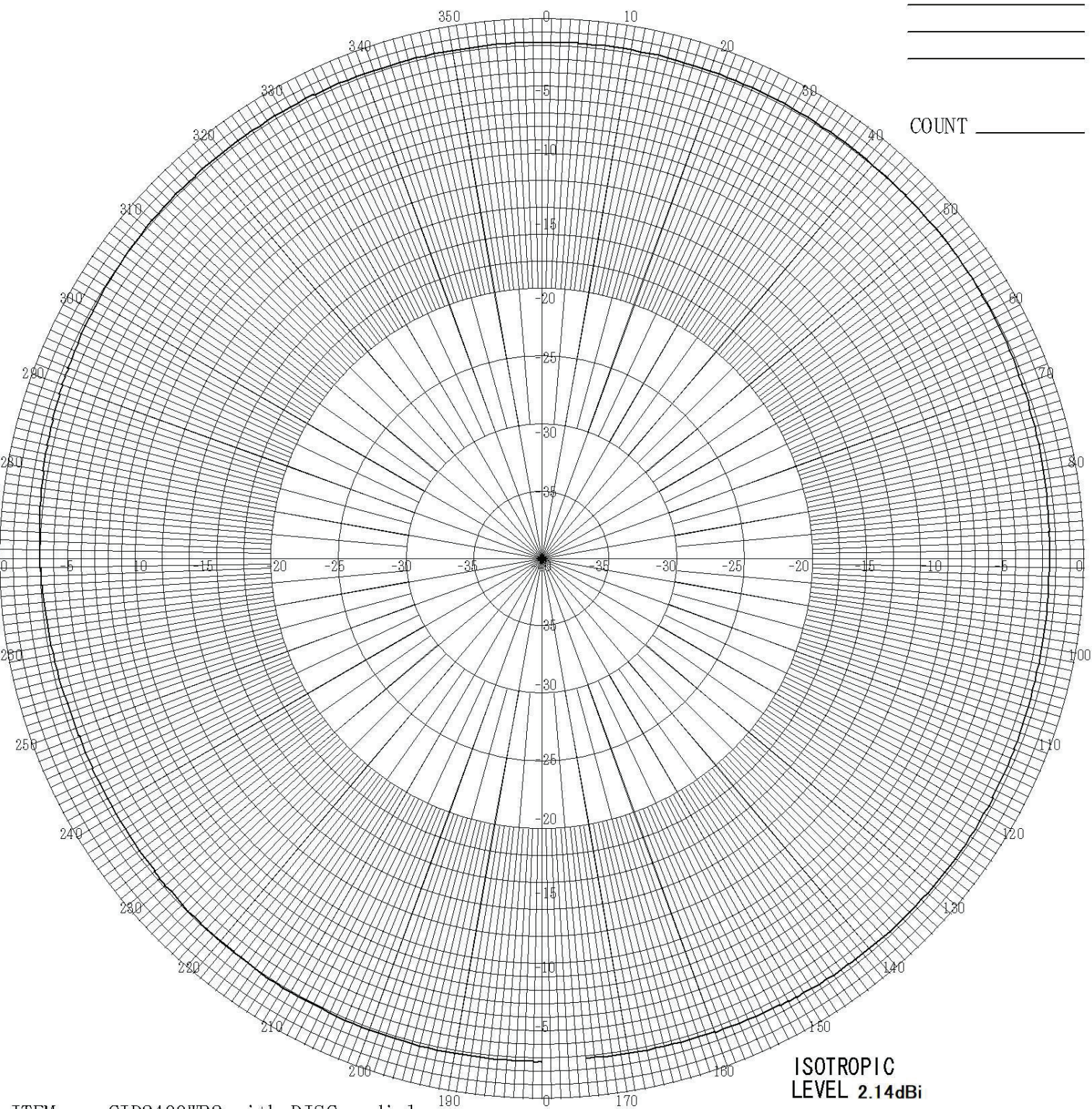
MEASUREMENT FREQUENCY
2.45GHz

HIDAKA DENKI WORKS CO.,LTD.

RADIATION PATTERN H-plane

REMARKS: _____

COUNT _____



ITEM CID2400WP2 with DISC radial

MEASUREMENT FREQUENCY
2.45GHz

HIDAKA DENKI WORKS CO.,LTD.