

INSPECTION SHEET OF NTK DIELECTRIC ANTENNA

CUSTOMER	:	Askey
CUSTOMER P/N	:	-
NTK P/N	:	MAC2450A5362AAA01

DATE	:	Oct 28, 2002
TEMPERATURE	:	24 degree C
HUMIDITY	:	83 %

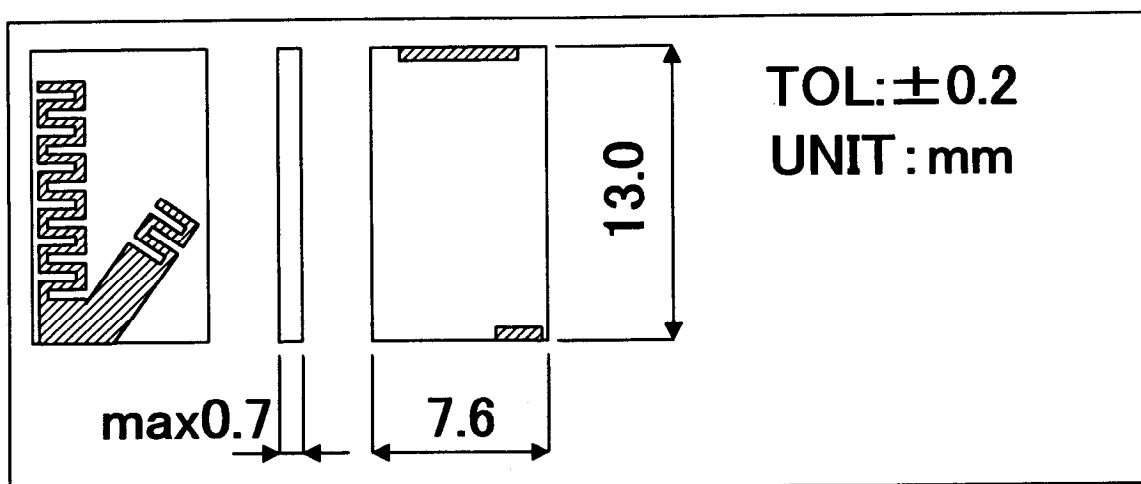
NTK LOT No	:	021025
QUANTITY	:	22 pcs.

CHECKED BY T.TAKADA *T. Takada*
 MEASURED BY S.WAKAMATSU *S. Wakamatsu*

■CHARACTERISTICS

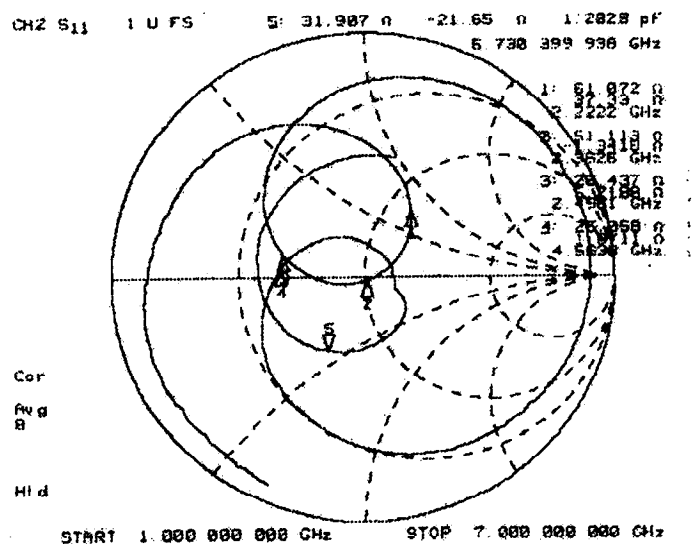
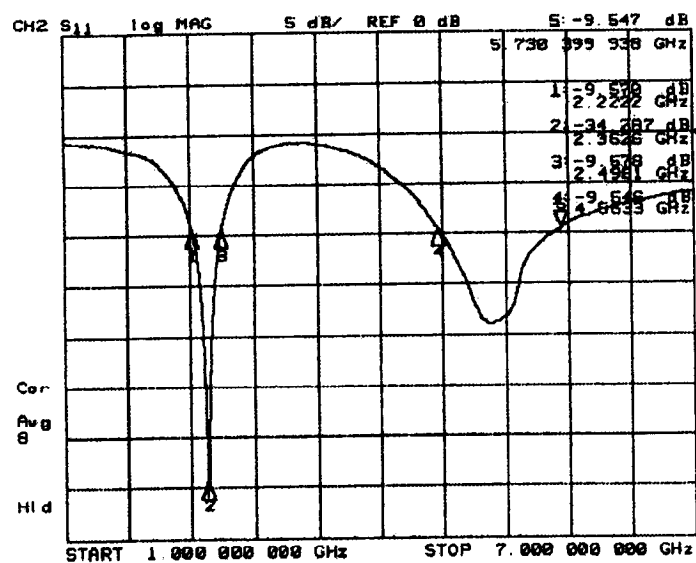
	LOW FREQUENCY			HIGH FREQUENCY		
ITEM	CENTER FREQ.	B.W. (V.S.W.R=2)	S11 Peak	CENTER FREQ.	B.W. (V.S.W.R=2)	S11 Peak
UNIT	MHz	MHz	VSWR	MHz	MHz	VSWR
SPEC.	(2450)	100min.	-	(5362)	-	-
1	2360	276	1.04	5147	1167	1.25

I/O IMPEDANCE : 50 Ohm

■DIMENSIONS

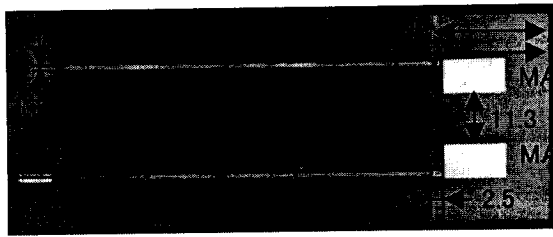
■FREQUENCY CHARACTERISTICS (MAC2450A5362AAA01)

No.1



NGK SPARK PLUG CO.,LTD.

②Proposal structure of NTK

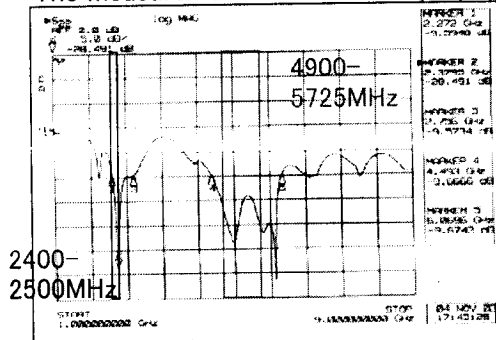


M C2450A5362AAA02

M C2450A5362AAA01

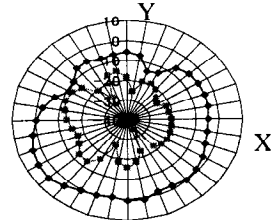
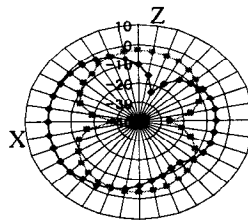
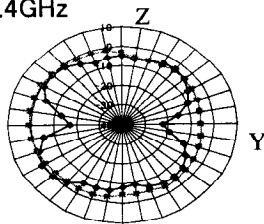
FR-4 t0.6mm

The measurement result in NTK proposal structure

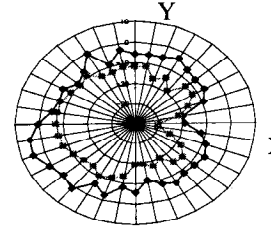
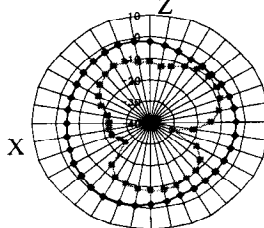
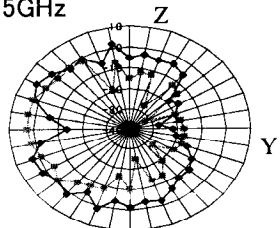


The measurement result of directivity

2.4GHz

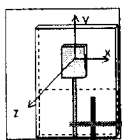


5GHz



2.4GHz

	YZ-plane		ZX-plane		YX-plane	
	Ave.	Max.	Ave.	Max.	Ave.	Max.
Ver.	-4.7	0.4	-3.9	0.1	-1.4	4.5
Hor.	-2.5	0.5	-6.7	-3.2	-17.3	-12.3
Ver.+Hor.	-1.6		-2.8		-1.5	



5GHz

	YZ-plane		ZX-plane		YX-plane	
	Ave.	Max.	Ave.	Max.	Ave.	Max.
Ver.	-2.2	4.0	-3.2	-0.5	-3.1	5.2
Hor.	-4.6	2.3	-11.5	-7.5	-12.1	-7.1
Ver.+Hor.	-1.2		-3.2		-3.1	