

Ceramic Antenna for Bluetooth Test data

■ Antenna model: YCE-5226 (10x4x3mm)

■ Measurement condition:

YCE-5226 with 30x50mm GND plane (6x11mm² removed GND)

■ Data:

*Gain

*VSWR

*Field pattern

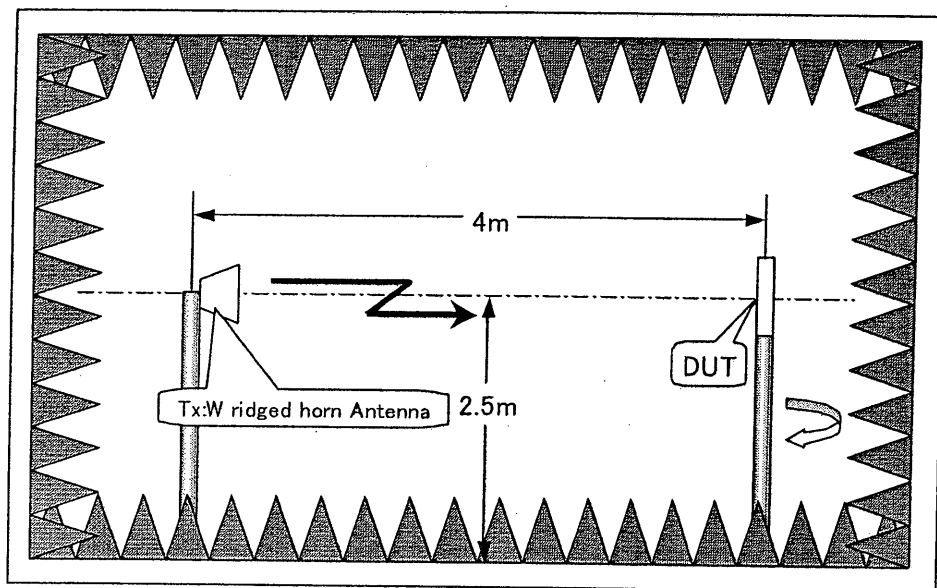
Measured date: Mar.7'01

Created date: Mar.27.'01

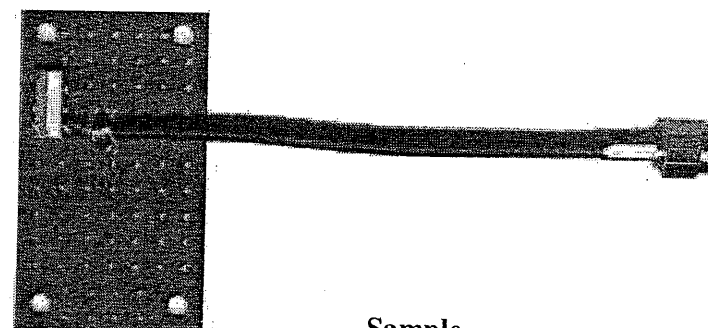
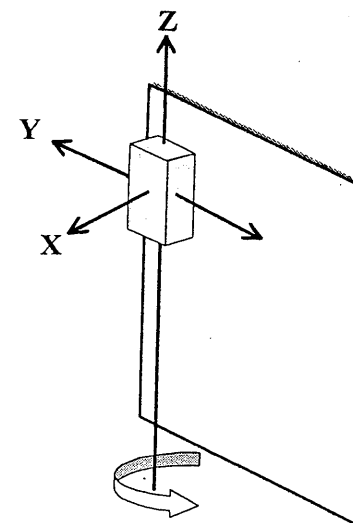
Update: Mar.29'02

Measurement condition

- Anechoic chamber: 8m(L) × 5m(W) × 5m(H)



Antenna coordinated



Sample

Summary

fr=2.400GHz

Plane	Tx	Peek Gain [dBi]	AVG Gain [dBi]	Plane AVG Gain [dBi]	All AVG Gain [dBi]
X-Y	H	-10.33	-16.10	-2.1	-3.5
	V	3.56	0.80		
Y-Z	H	2.22	-1.48	-4.4	
	V	-14.57	-17.44		
Z-X	H	2.58	-2.13	-4.6	
	V	-7.94	-10.69		

fr=2.442GHz

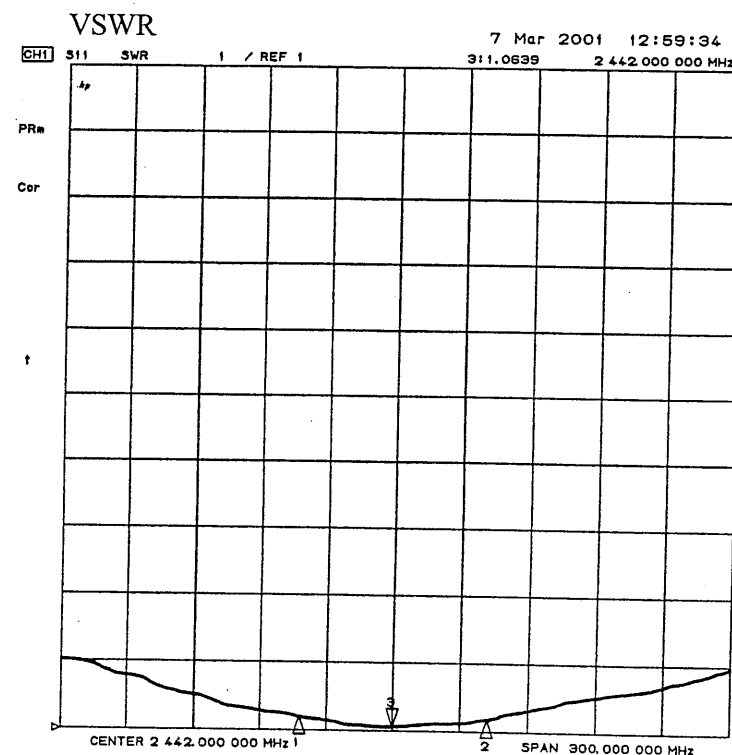
Plane	Tx	Peek Gain [dBi]	AVG Gain [dBi]	Plane AVG Gain [dBi]	All AVG Gain [dBi]
X-Y	H	-11.99	-17.12	-2.0	-3.4
	V	3.24	0.96		
Y-Z	H	2.10	-1.65	-4.6	
	V	-14.24	-18.16		
Z-X	H	2.33	-1.81	-4.1	
	V	-6.15	-9.29		

fr=2.484GHz

Plane	Tx	Peek Gain [dBi]	AVG Gain [dBi]	Plane AVG Gain [dBi]	All AVG Gain [dBi]
X-Y	H	-11.76	-17.86	-2.1	-3.4
	V	3.16	0.82		
Y-Z	H	2.31	-1.60	-4.5	
	V	-14.36	-18.19		
Z-X	H	2.34	-1.59	-3.8	
	V	-5.38	-8.61		

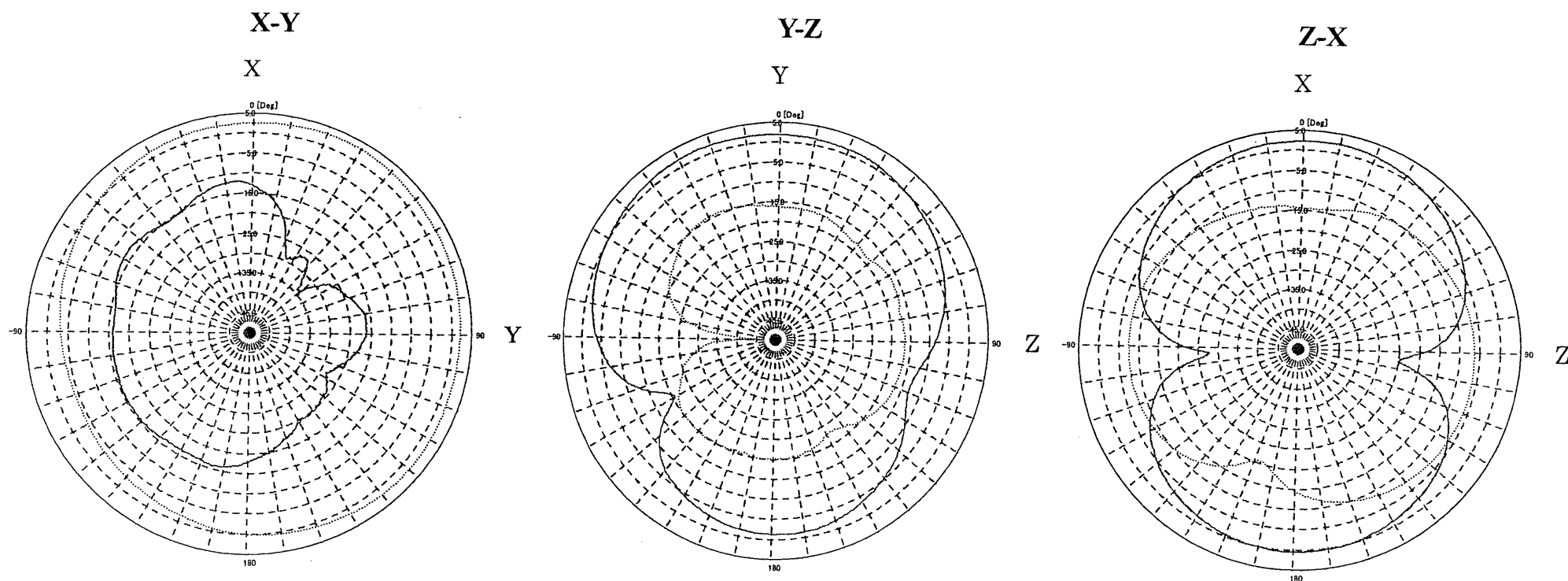
Average Summary

AVG(dBi)	X-Y	Y-Z	Z-X
Each Plane	-2.1	-4.5	-4.2
All Plane	-3.4		



Field pattern

Freq.=2.442GHz



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