

DHF07C-ADS	Antenna Design Specifications				
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Antenna Design Specifications

(UbiqVue™ 2AYe Holter System)

Revision History:

Revision	Date	Description of change	Approved by
Rev A	See IMSXpress	Initial Release	See IMSXpress

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1 Antenna Design Specification:

1.1 General information

Model	Wipatch2Ay
ANTENNA TYPE	MEANDER LINE ANTENNA

1.2 Antenna design

1.3 Antenna matching values.

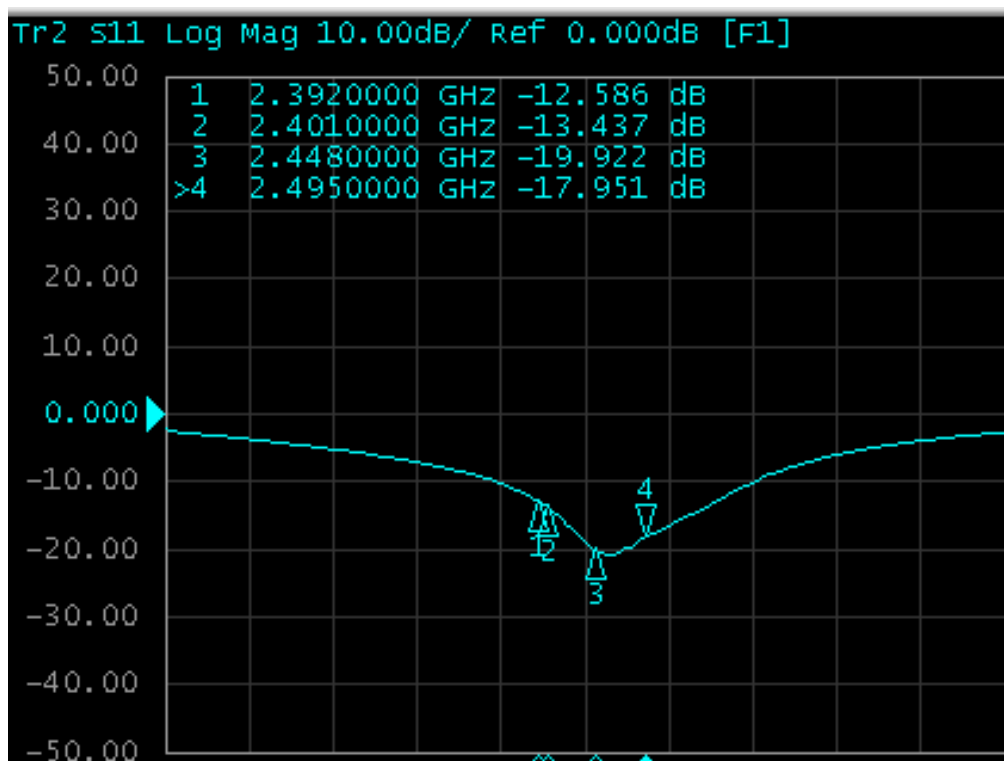
Reference	Components	MPN	Specification	Manufacturer
C41	Capacitor	GJM0335C1H1R5BB01D	1.5PF/0201/±0.1PF	MURATA
L6	Inductor	LQP03TN1N8B02D	1.8NH/0201/±0.1NH	MURATA
C42	DEPOP	-	-	-

1.4 Return loss and Gain in passive mode.

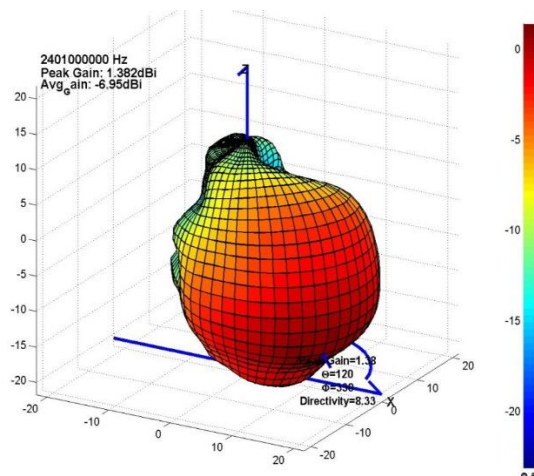
[Summary]

	2401Mhz	2448Mhz	2495Mhz
Return loss	-13.4dB	-19.9dB	-17.9dB
Avg Gain	-7.0dBi	-6.4dBi	-6.2dBi
Peak Gain	1.4dBi	2.2dBi	2.7dBi

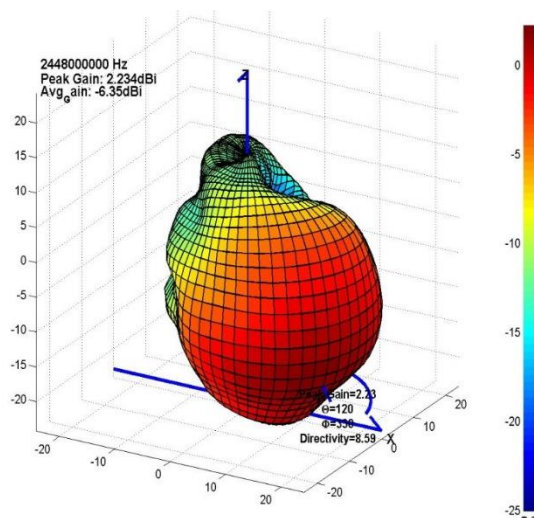
[Return loss]



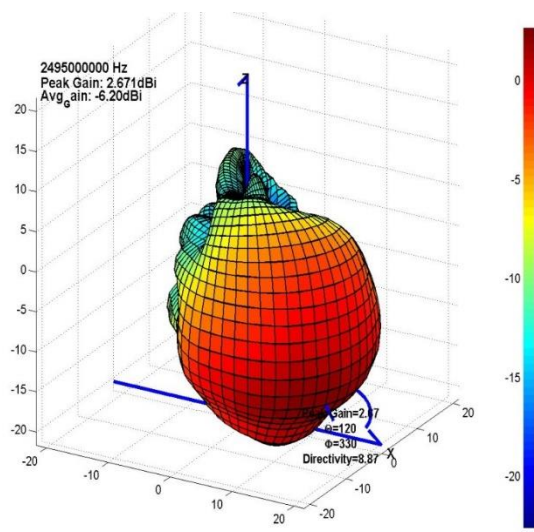
[2401Mhz_Gain]



[2448Mhz_Gain]



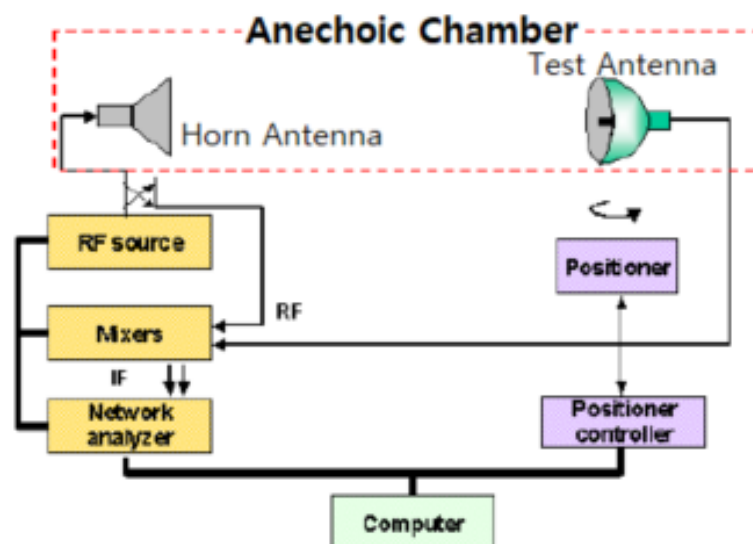
[2495Mhz_Gain]



1.5 Measurement setup diagram and details of equipment used

Equipment	Manufacturer	Model Name	Serial number	Firmware Version	Calibration Due Date	Periodicity	Used for test Items
Network Analyser	Agilent	E5071C	MY46107631	A.10.05	2023.08.29	Yearly	Antenna Measurements
Horn Antenna	Mutronics	MU7640V	0509086	-	-	-	Antenna Measurements
3m Fully anechoic Chamber	Airlink	3D Anechoic Chamber	-	-	-	-	Antenna Measurements

[System configuration]



[DUT position in antenna chamber]

