WYSAGBUX7 Antenna data (Antenna1)

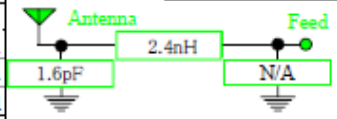
Antenna1 Maximum Gain is 2.1dBi

Measurement data of antenna

Frequency	[MHz]	@2400	@2450	@2500
Peak gain		[dBi]		
3-plane	TX-H	1.6	1.8	2.1
	TX-V	1.0	0.6	1.1
		1.6	**1.8**	**2.1**
Average gain		[dBi]		
XY-plane	TX-H	-8.3	-7.0	-7.1
	TX-V	-4.0	-3.8	-4.2
	Plus(H,V)	-2.6	-2.1	-2.4
YZ-plane	TX-H	-8.8	-7.9	-8.6
	TX-V	-9.0	-9.2	-9.7
	Plus(H,V)	-5.9	-5.5	-6.1
ZX-plane	TX-H	-4.3	-4.0	-4.4
	TX-V	-8.1	-7.3	-7.8
	Plus(H,V)	-2.8	-2.4	-2.7
3-plane	TX-H	-6.7	-6.0	-6.3
	TX-V	-6.5	-6.2	-6.6
		-3.5	**-3.1**	**-3.4**
Efficiency	[dB]	**-3.3**	**-2.8**	**-3.2**
VSWR	[:1]	2.0	1.6	2.0

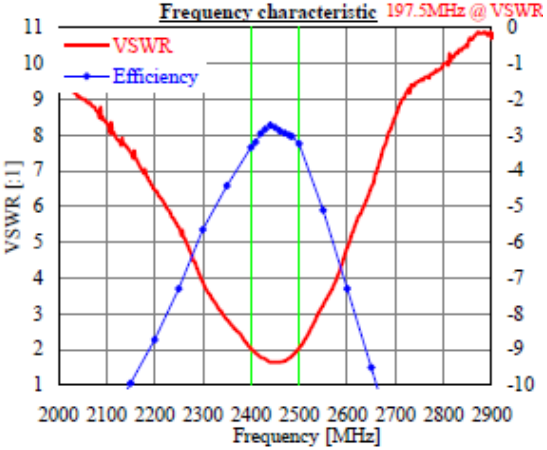
*Note: Peak gain(3-plane)=Peak(XY[H],XY[V],YZ[H])YZ[V],ZX[H])ZX[V])
*Note:The value is average value in 1 round of each inclination direction angle.
*Note: Average gain(3-plane)=Average(XY[Plus(H,V)],YZ[Plus(H,V)],ZX[Plus(H,V)])

Matching circuit constant

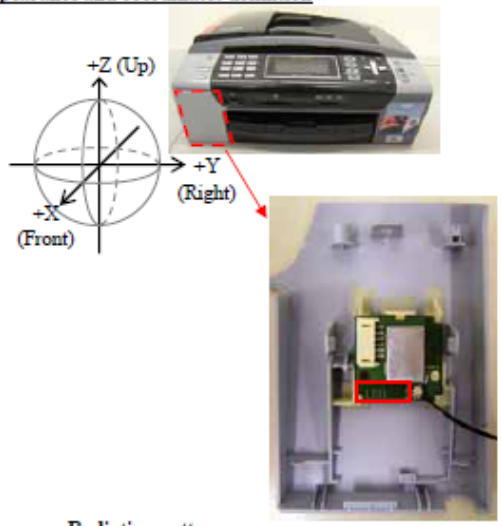


1.6pF : EVK105 CH1R6E
2.4nH : HK1005 2N4S
N/A : -

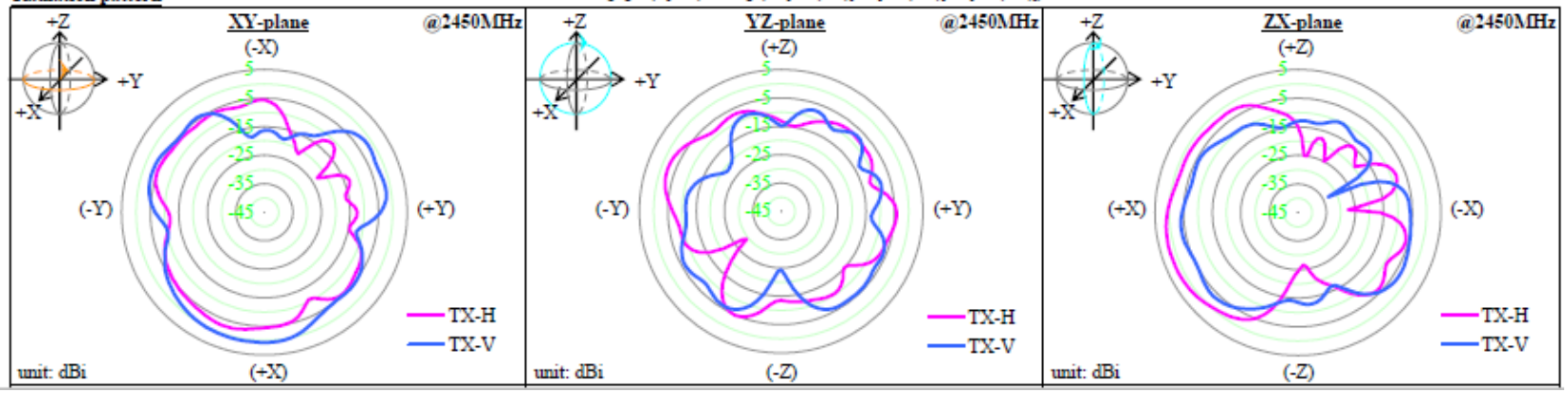
Frequency characteristic



Appearance and coordinates definition



Radiation pattern



WYSAGBUX7 Antenna data (Antenna2)

Antenna2 Maximum Gain is -0.3dBi

Measurement data of antenna

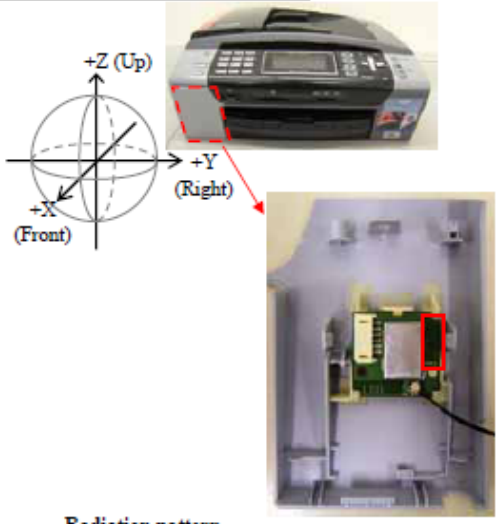
Frequency [MHz]		@2400	@2450	@2500
Peak gain		[dBi]		
3-plane	TX-H	-0.3	-1.0	-2.1
	TX-V	-2.1	-2.2	-2.5
		-0.3	**-1.0**	**-2.1**
Average gain		[dBi]		
XY-plane	TX-H	-7.0	-7.5	-8.1
	TX-V	-10.1	-9.0	-10.1
	Plus(H,V)	-5.3	-5.2	-6.0
YZ-plane	TX-H	-8.1	-6.3	-6.7
	TX-V	-12.2	-13.2	-16.8
	Plus(H,V)	-6.7	-5.5	-6.3
ZX-plane	TX-H	-12.7	-13.5	-14.2
	TX-V	-7.4	-6.6	-6.5
	Plus(H,V)	-6.3	-5.8	-5.8
3-plane	TX-H	-8.7	-8.2	-8.7
	TX-V	-9.5	-8.9	-9.4
		-6.0	**-5.5**	**-6.0**
Efficiency	[dB]	**-5.6**	**-5.0**	**-5.6**
VSWR	[:1]	1.6	1.6	2.9

*Note: Peak gain(3-plane)=Peak(XY[H],XY[V],YZ[H]YZ[V],ZX[H]ZX[V])

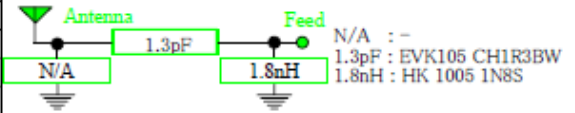
*Note:The value is average value in 1 round of each inclination direction angle.

*Note: Average gain(3-plane)=Average(XY[Plus(H,V)],YZ[Plus(H,V)],ZX[Plus(H,V)])

Appearance and coordinates definition



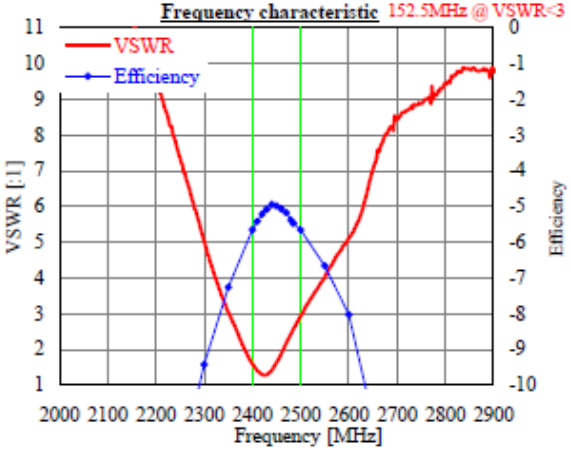
Matching circuit constant



N/A : –
1.3pF : EVK105 CH1R3BW
1.8nH : HK 1005 1N8S

Frequency characteristic

80MHz @ VSWR<2
152.5MHz @ VSWR<3



Radiation pattern