



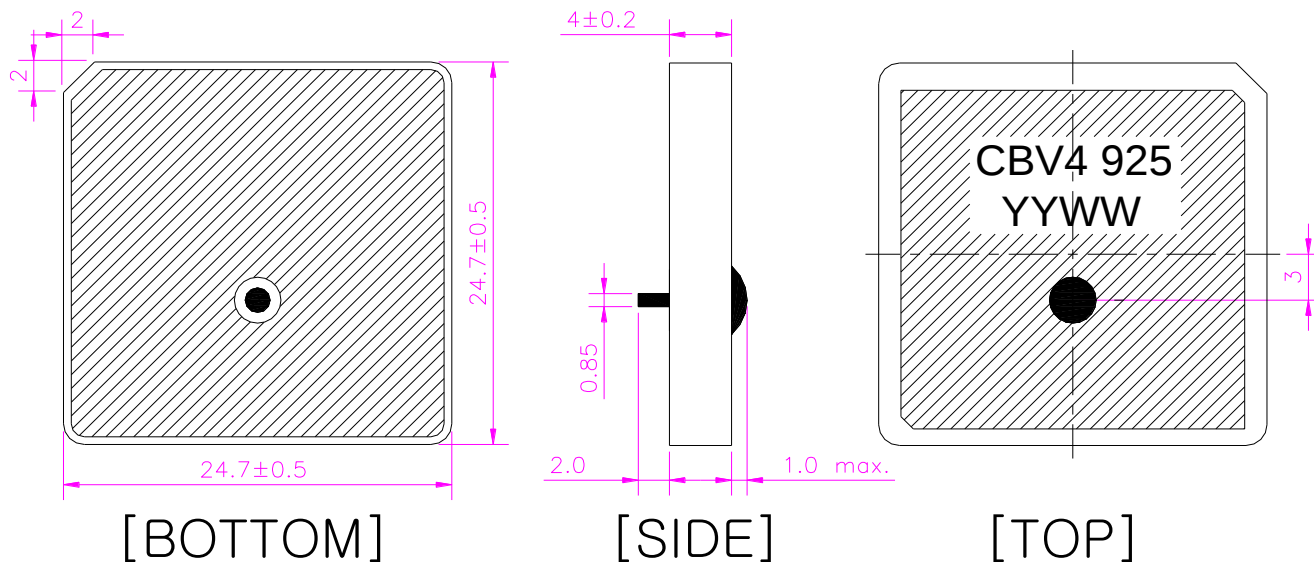
Patch Antenna Sample Specification

Customer	파이칩스	Written	Checked	Approved
Part No.	KSA-SP925MS25P20GP6550	JS KIM		
Date	23-Feb-22			

1. Electrical Specifications.

ITEM	Specifications
Center Frequency	925.5 ± 3 MHz
Bandwidth in 10 dB	2 MHz min.
Return Loss @ Fc	-15 dB max.
Impedance	50 Ω
Polarization	R.H.C.P
Peak Gain @ In Set+Phone	0.8 dBic
Test Ground	Square 65x50mm

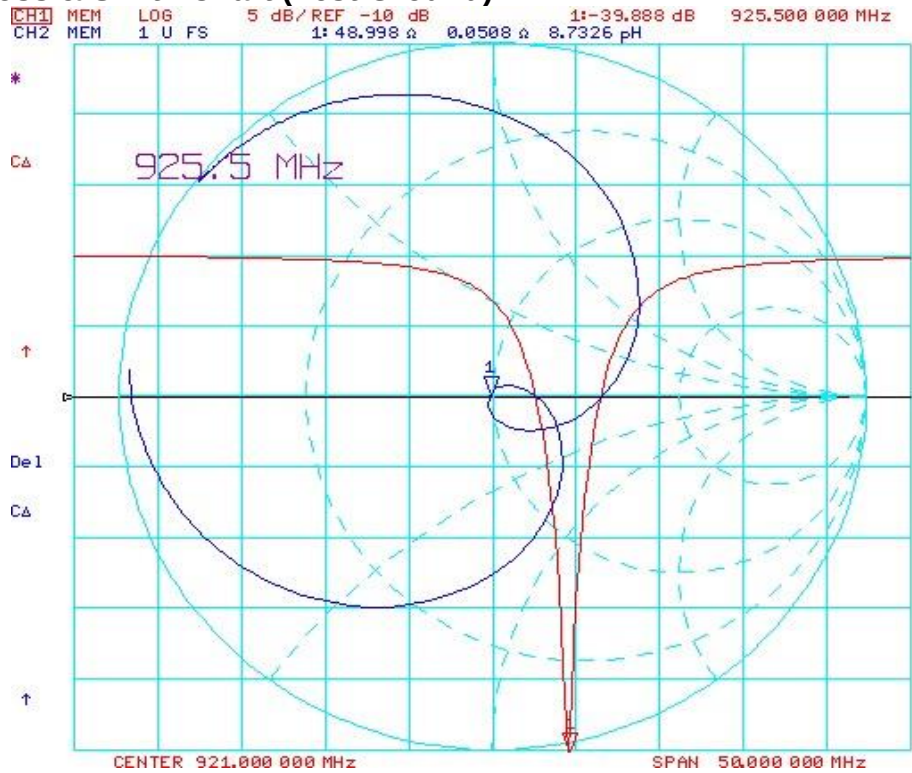
2. Dimensions.



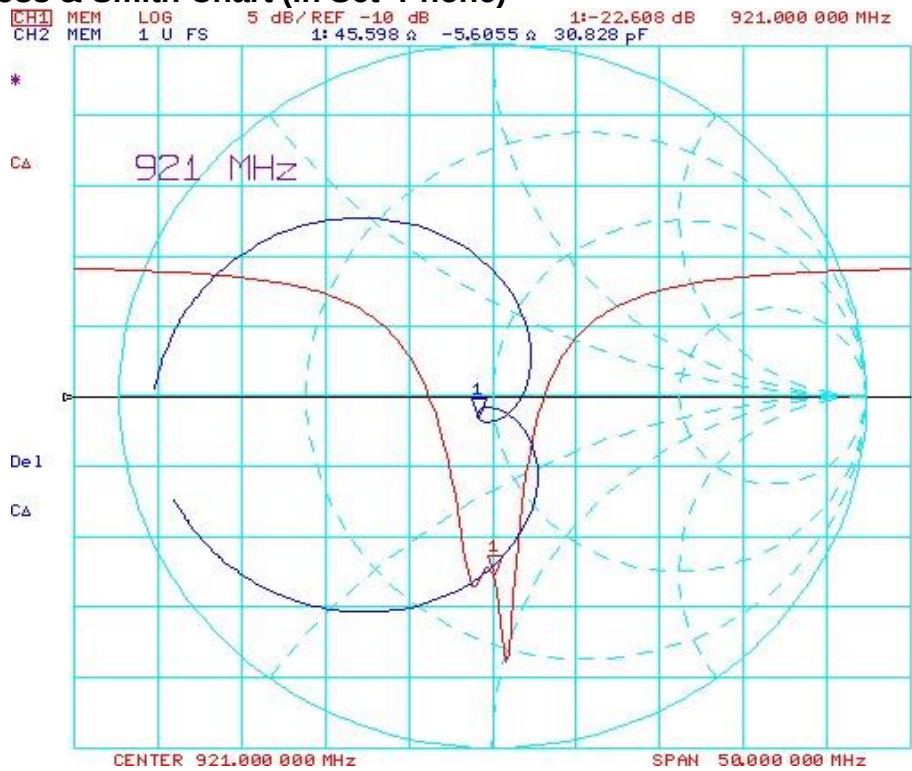
Tolerance Unless
Otherwise Specified: ±0.20
Unit:mm

3. Data

3.1) Return Loss & Smith Chart (Test Ground)



3.2) Return Loss & Smith Chart (In Set+Phone)



3.3) Antenna Chamber Data (In Set + Phone)

No.	Freq.	RHCP				Phi[deg]	H(Theta=0)				BW[deg]	E1(Phi=0)				BW[deg]	E2(Phi=90)				BW[deg]
		Eff.[%]	Avg[dBic]	Peak[dBic]	Theta[c]		Avg[dBic]	Peak[dBic]	[deg]			Avg[dBic]	Peak[dBic]	Theta[c]			Avg[dBic]	Peak[dBic]	Theta[c]		
1	916.000	26.28	-5.80	-0.92	15.00	120.00	-6.72	-3.68	270.00	99.42	-6.04	-1.39	0.00	111.88	-4.39	-1.09	15.00	106.96			
2	917.000	29.09	-5.36	-0.52	0.00	135.00	-6.29	-3.22	270.00	98.11	-5.61	-1.01	0.00	112.48	-3.96	-0.68	15.00	101.22			
3	918.000	31.53	-5.01	-0.17	15.00	120.00	-5.99	-2.85	270.00	96.75	-5.28	-0.73	0.00	113.66	-3.61	-0.42	15.00	101.07			
4	919.000	33.98	-4.69	0.05	0.00	135.00	-5.76	-2.58	270.00	94.55	-5.00	-0.50	-15.00	114.72	-3.28	-0.20	15.00	109.42			
5	920.000	37.23	-4.29	0.41	0.00	165.00	-5.54	-2.39	270.00	92.01	-4.67	0.06	-15.00	110.39	-2.88	0.02	15.00	120.33			
6	921.000	41.50	-3.82	0.85	15.00	150.00	-5.26	-2.46	270.00	92.68	-4.24	0.67	-15.00	103.10	-2.40	0.36	15.00	134.02			
7	922.000	43.26	-3.64	1.05	15.00	150.00	-5.17	-2.62	120.00	99.59	-4.02	0.92	-15.00	101.10	-2.24	0.89	-15.00	137.38			
8	923.000	40.00	-3.98	0.97	0.00	315.00	-5.46	-2.97	120.00	101.75	-4.27	0.74	0.00	100.87	-2.60	0.72	-15.00	150.43			
9	924.000	34.53	-4.62	0.49	0.00	315.00	-6.01	-3.63	120.00	104.30	-4.82	0.29	0.00	100.41	-3.27	0.01	-30.00	148.89			
10	925.000	29.06	-5.37	-0.16	0.00	315.00	-6.67	-4.40	120.00	104.62	-5.51	-0.36	0.00	100.50	-4.03	-0.69	15.00	145.33			
11	926.000	24.24	-6.15	-0.91	0.00	330.00	-7.40	-5.22	120.00	106.22	-6.26	-1.10	0.00	101.32	-4.83	-1.41	15.00	143.15			

