

RAPA

1. Specifications for the anechoic chamber

- 1) Size: 16(L) m x 11(W) m x 9.5(H) m
- 2) Frequency range: 400 MHz to 60 GHz (Far Field)
- 3) Quiet Zone: 1.2 m x 1.2 m @ 1 GHz
- 4) Path Length : 12 m
- 5) Type : Rectangular
- 6) System : ORBIT/FR (Israel)
- 7) Chamber Performance
 - (1) SVSWR

Frequency (MHz)	SVSWR (dB)
0.4	-35
0.8	-37
1	-40
1.8	-43
2	-45
5	-45
18	-50
20	-45
40	-40
60	-40

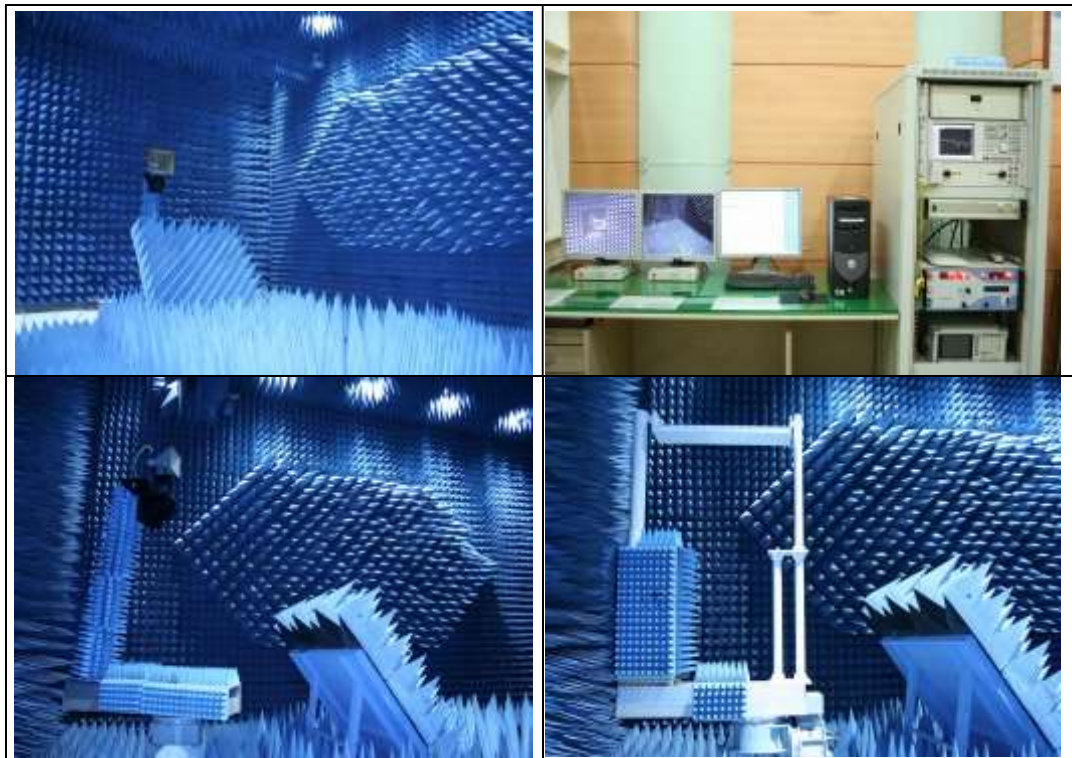
(2) Quiet Zone

Frequency (MHz)	Quiet Zone (m)	Note
0.4	2.08	·Considering the transmit & receive distance ·Considering the transmit & receive antenna aperture
0.5	1.85	
0.6	1.68	
0.7	1.55	
0.8	1.44	
0.9	1.35	
1	1.27	
2	0.85	
3	0.65	
4	0.52	
5	0.43	
6	0.35	
7	0.48	
8	0.45	
9	0.43	
10	0.1	
11	0.39	
12	0.37	
13	0.35	
14	0.33	
15	0.32	
16	0.31	
17	0.30	
18	0.30	
19	0.29	
20	0.28	

8) Shield Performance

Field	Frequency	Performance
Magnetic Field	14 kHz	76.4 dB
	200 kHz	94 dB
Electric Field	1 MHz ~ 50 MHz	106 dB
Plane Wave	400 MHz ~ 1 GHz	104 dB
Microwave	10 GHz ~ 18 GHz	102 dB

2. Setup Photo



3. Measurement Equipment

Network Analyzer



Model : E8361A PNA (Agilent)

Amplifier



Model : 83017A (Agilent)

Amplifier

LO/IF distribution unit



Model : 20T4G18AM2



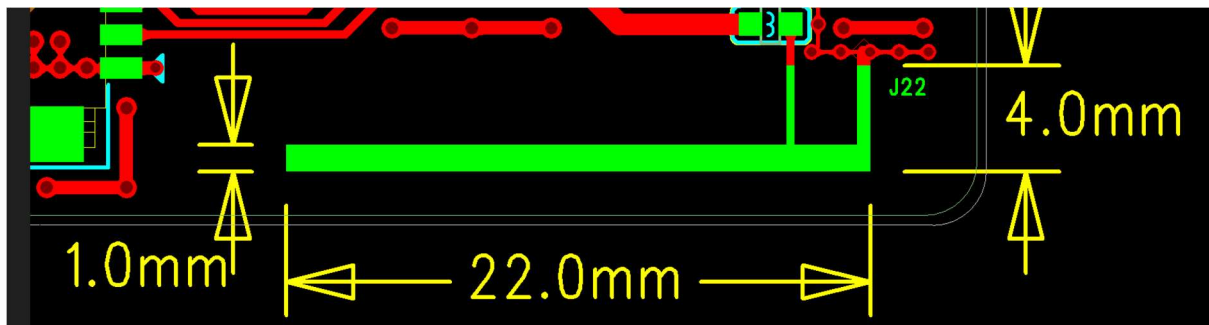
Model : 85309A (Agilent)

Mixer



Model : 85320A, 85320B (Agilent)

4. Measurement Antenna Dimension



5. Measurement Antenna Gain

