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**APPENDIX D  
OF  
TEST REPORT T71003\_F**

**PHOTOGRAPHS OF TEST SAMPLE (INTERIOR)**

**FCC ID:** TVN-MSTRP  
**Manufacturer:** Magellan Technology Pty Limited  
**Test Sample:** PJM Stack Tag Tunnel Reader  
**Model:** MSTRP-5050  
**Serial No:** Production Prototype

**Date:** 25<sup>th</sup> October 2007

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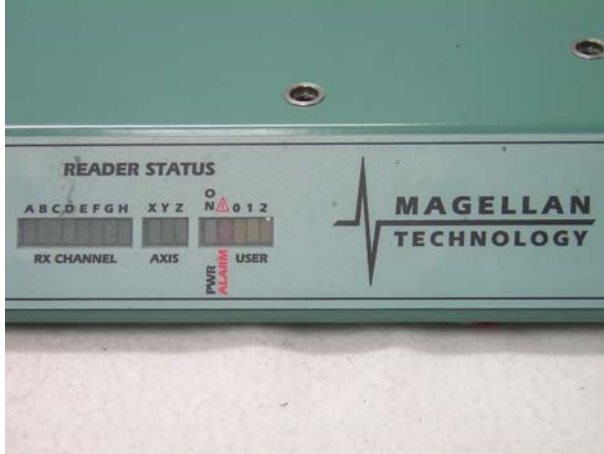
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Fax: +64 9 360 0861

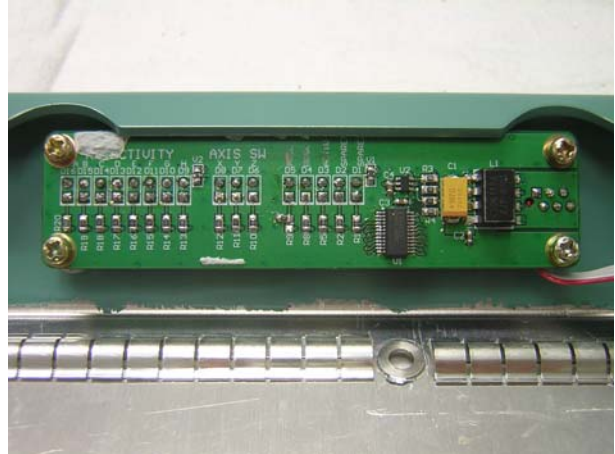
### APPENDIX D1 PHOTOGRAPHS TEST SAMPLE (INTERIOR)

#### Electronics:

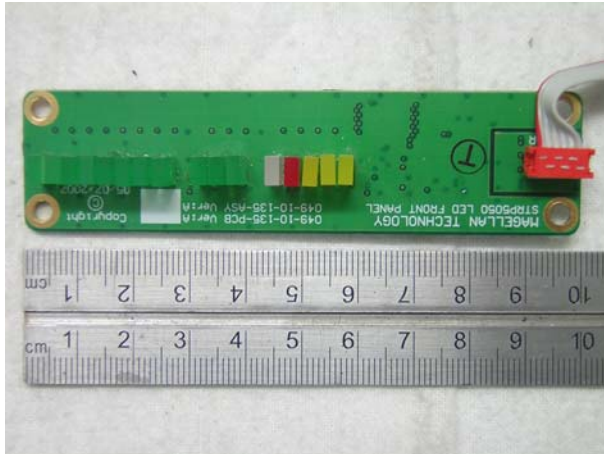
LED Status From Panel



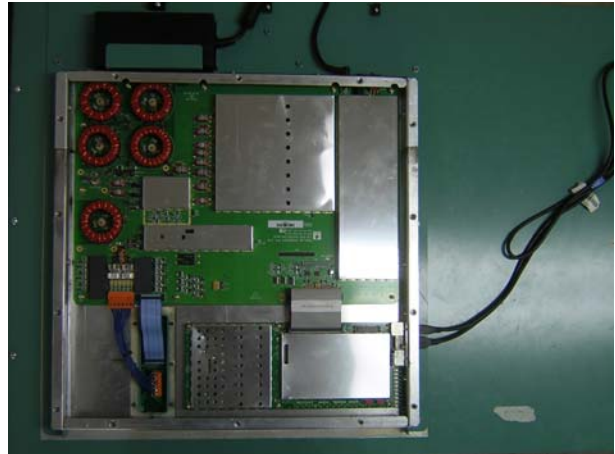
LED Status Back PCB



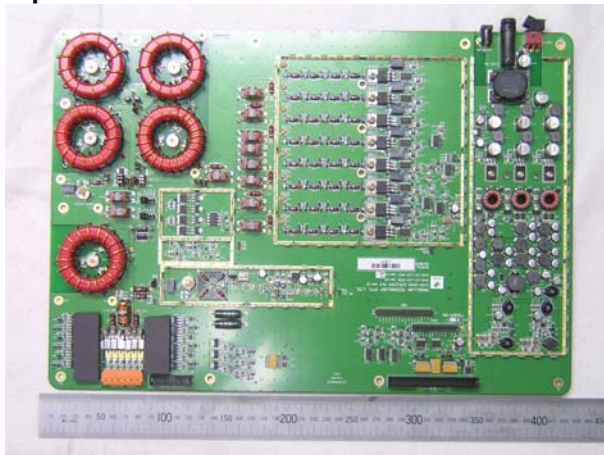
LED Status Front PCB



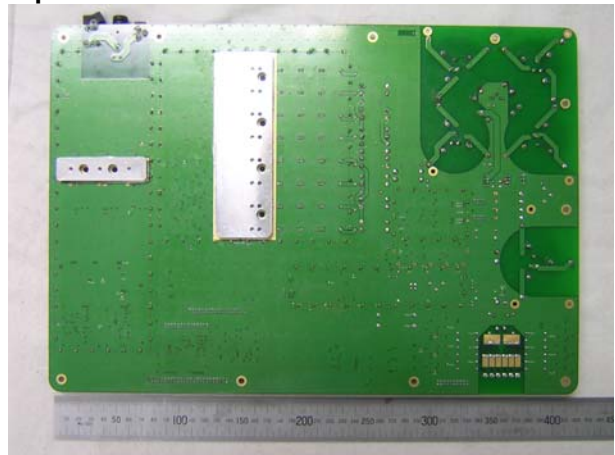
EUT Electronic Module



Diplexer MK5 Front PCB



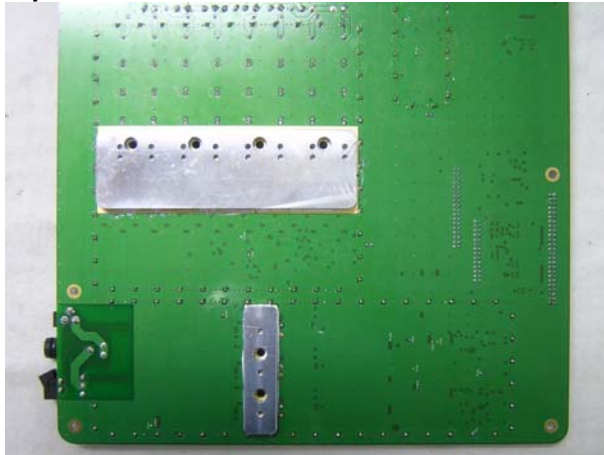
Diplexer MK5 Back PCB



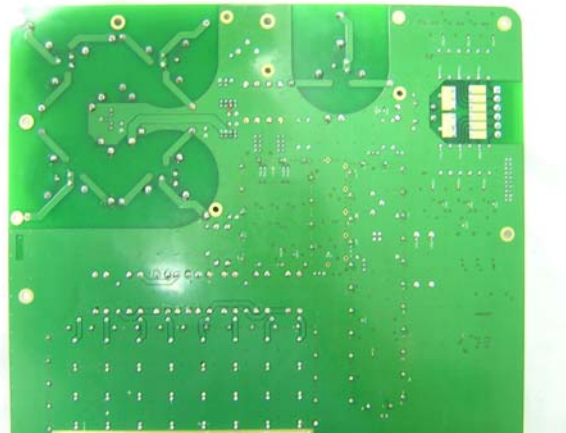
## APPENDIX D2 PHOTOGRAPHS TEST SAMPLE (INTERIOR)

### Electronics (Cont'd):

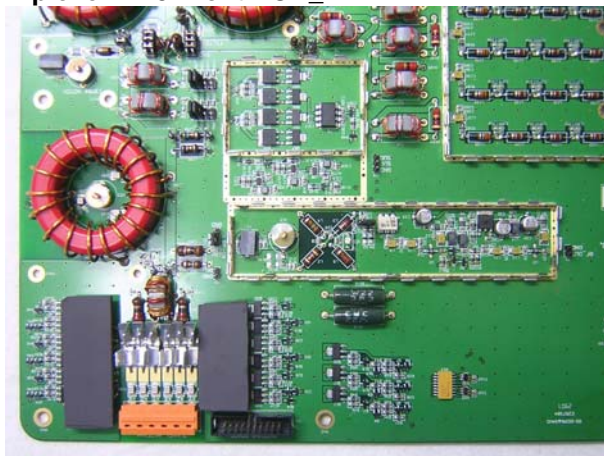
Diplexer Mk5 Back PCB\_A



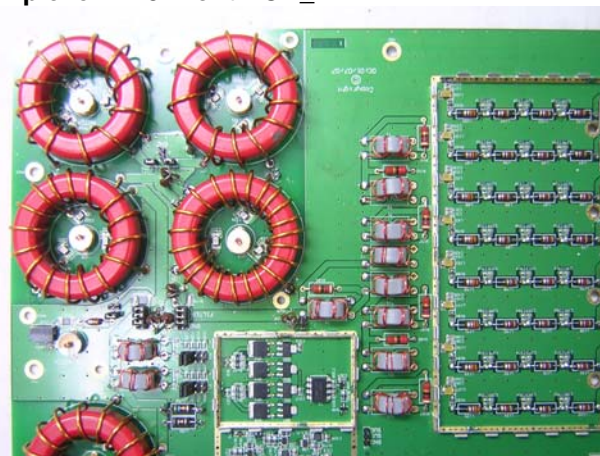
Diplexer Mk5 Back PCB\_B



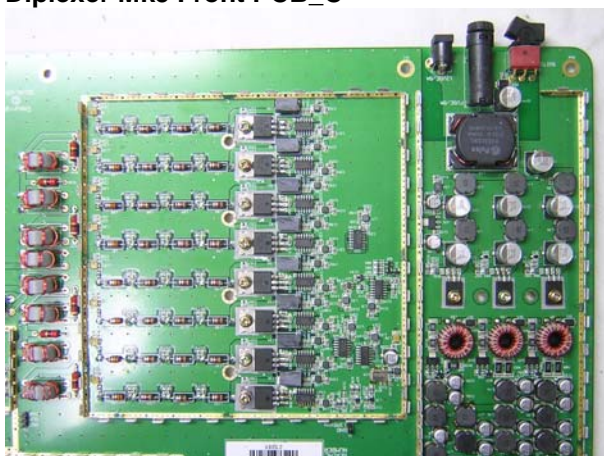
Diplexer Mk5 Front PCB\_A



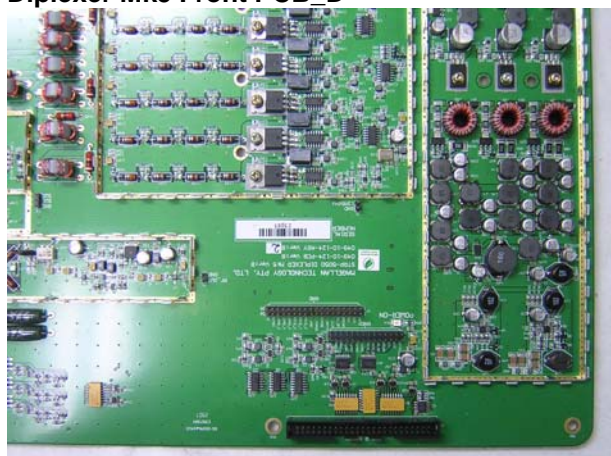
Diplexer Mk5 Front PCB\_B



Diplexer Mk5 Front PCB\_C



Diplexer Mk5 Front PCB\_D



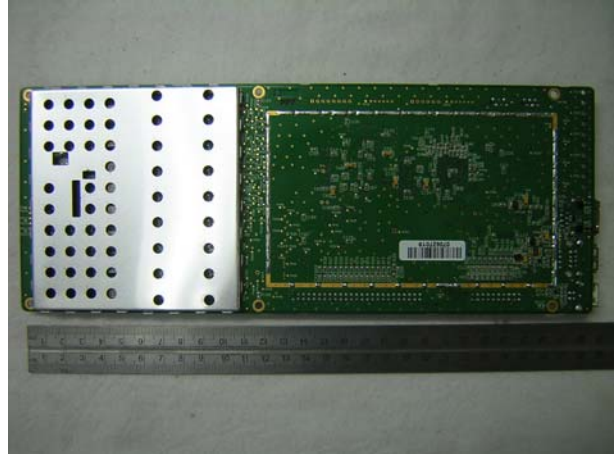
### APPENDIX D3 PHOTOGRAPHS TEST SAMPLE (INTERIOR)

#### Electronics (Cont'd):

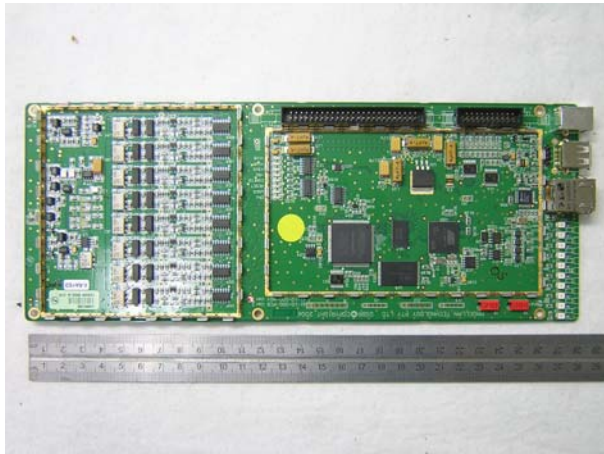
**DSBR Front PCB Shielded**



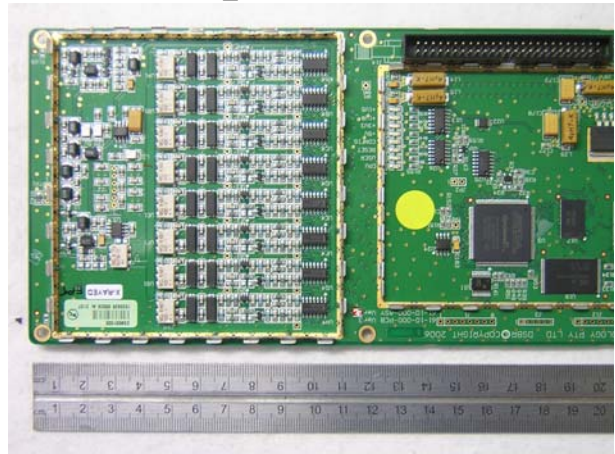
**DSBR Back PCB Shielded**



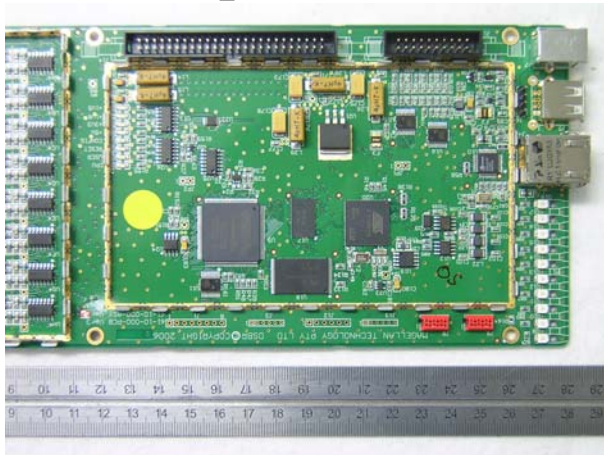
**DSBR Front PCB Unshielded**



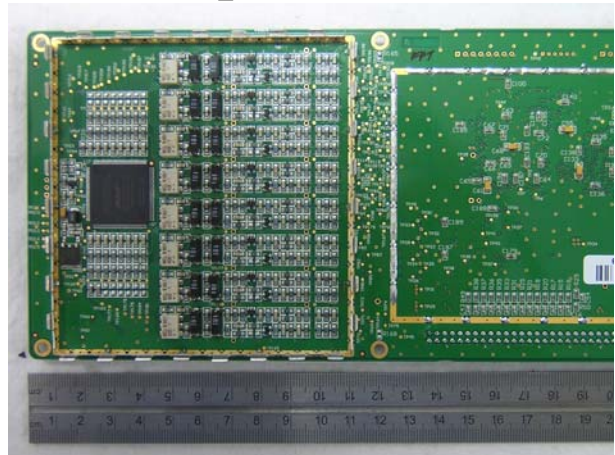
**DSBR Front PCB\_A**



**DSBR Front PCB\_B**



**DSBR Back PCB\_A**



### APPENDIX D4 PHOTOGRAPHS TEST SAMPLE (INTERIOR)

#### Electronics (Cont'd):

**DSBR Back PCB\_B**

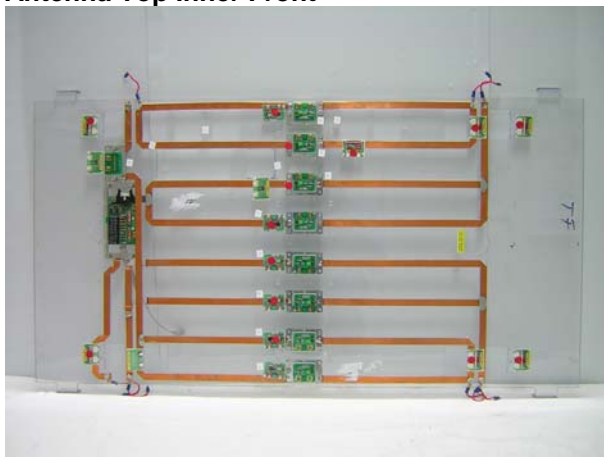


**Diplexer Shielding Enclosure**

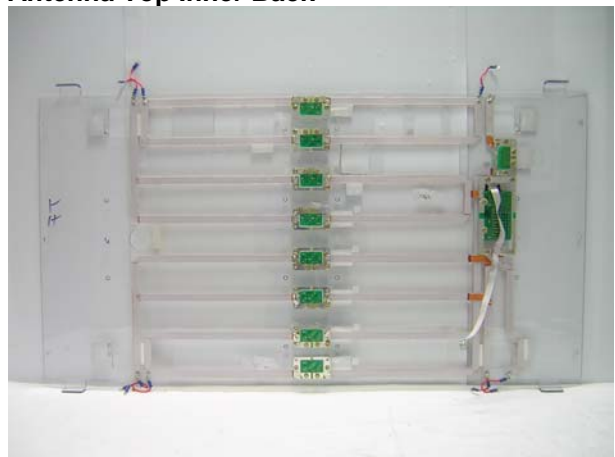


#### Polycarbon Based Antenna:

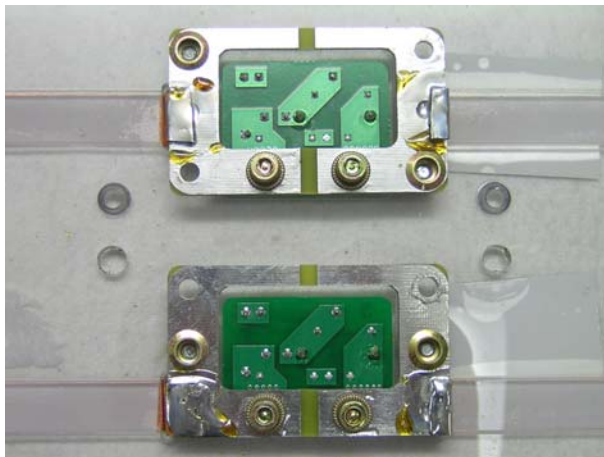
**Antenna Top Inner Front**



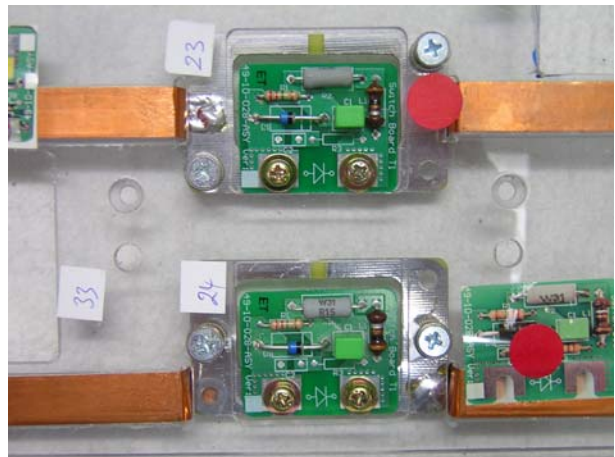
**Antenna Top Inner Back**



**Switch Board Ti Back**



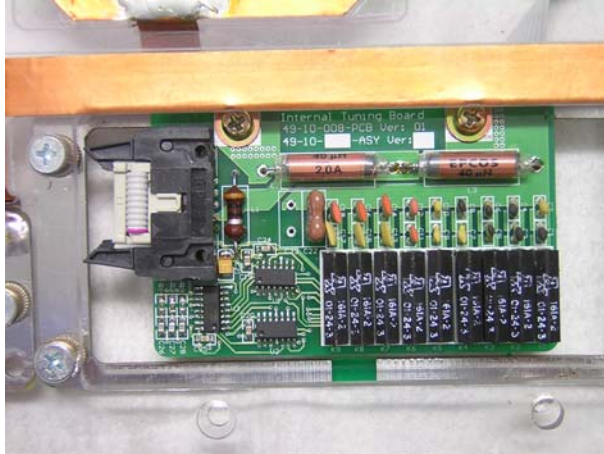
**Switch Board Ti Front**



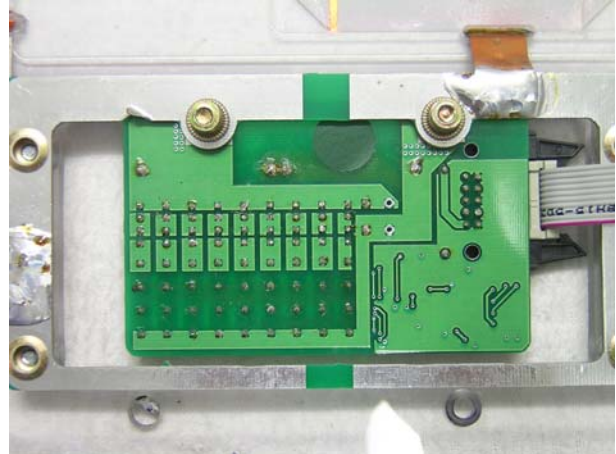
### APPENDIX D5 PHOTOGRAPHS TEST SAMPLE (INTERIOR)

#### Polycarbon Based Antenna (Cont'd):

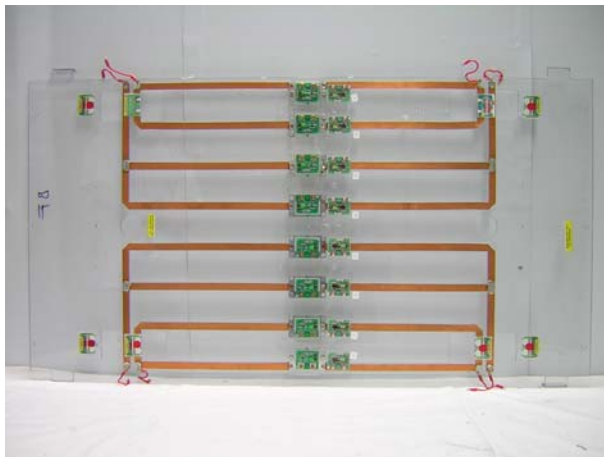
Internal Tuning Board Front



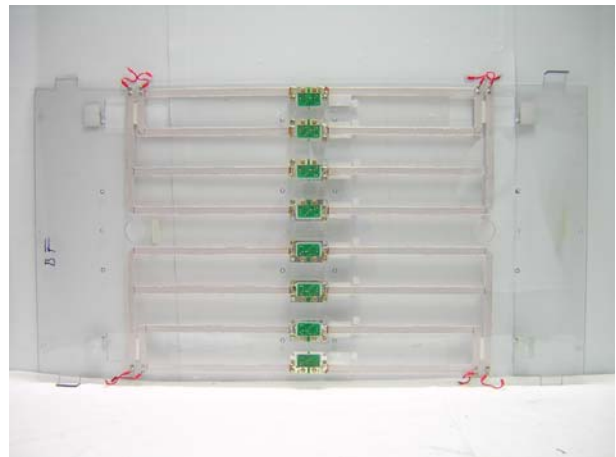
Internal Tuning Board Back



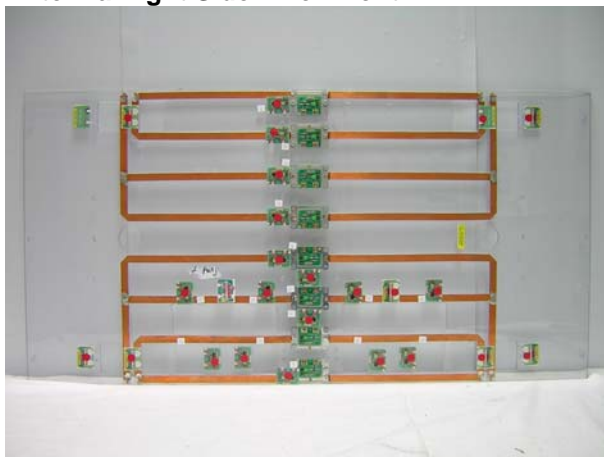
Antenna Bottom Inner Front



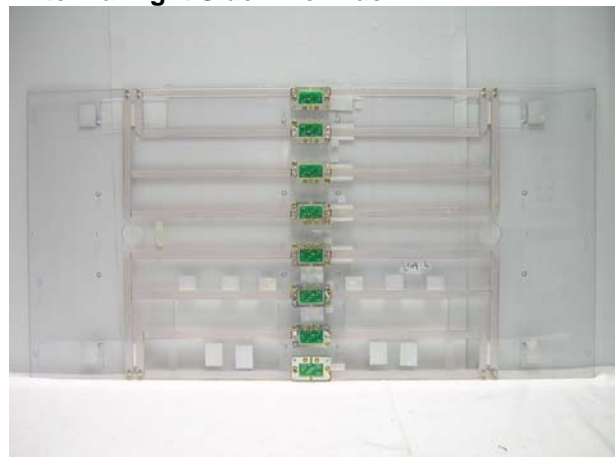
Antenna Bottom Inner Back



Antenna Right Side Inner Front



Antenna Right Side Inner Back



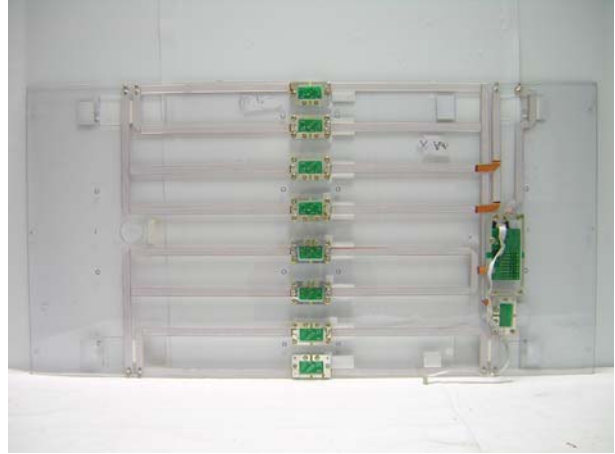
### APPENDIX D6 PHOTOGRAPHS TEST SAMPLE (INTERIOR)

#### Polycarbon Based Antenna (Cont'd):

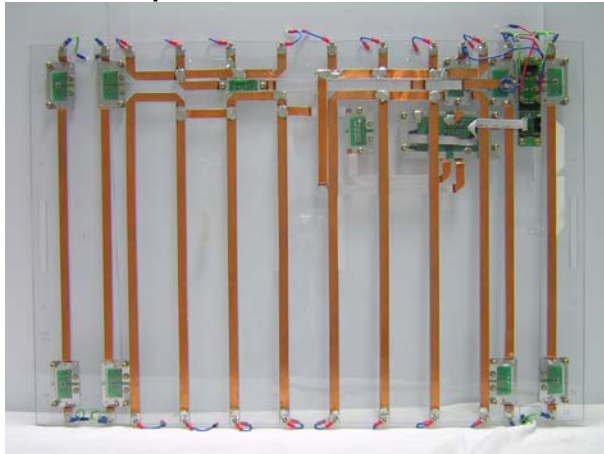
**Antenna Left Side Inner Front**



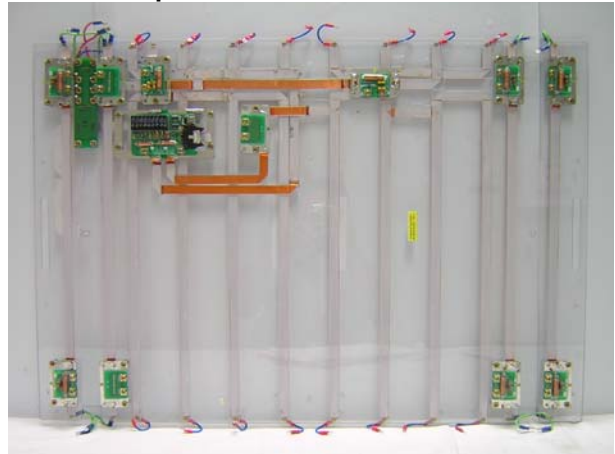
**Antenna Left Side Inner Back**



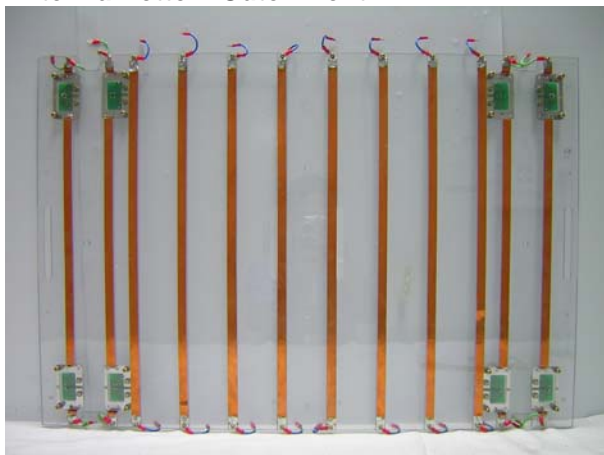
**Antenna Top Outer Front**



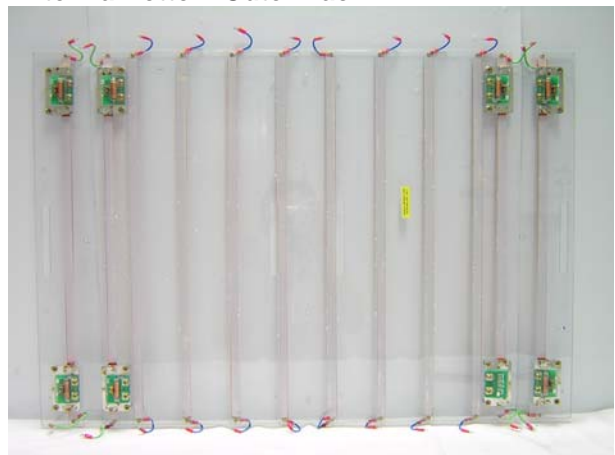
**Antenna Top Outer Back**



**Antenna Bottom Outer Front**



**Antenna Bottom Outer Back**



### APPENDIX D7 PHOTOGRAPHS TEST SAMPLE (INTERIOR)

#### Polycarbon Based Antenna (Cont'd):

**Antenna Right Side Outer Front**



**Antenna Right Side Outer Back**



**Antenna Left Side Outer Front**



**Antenna Left Side Outer Back**

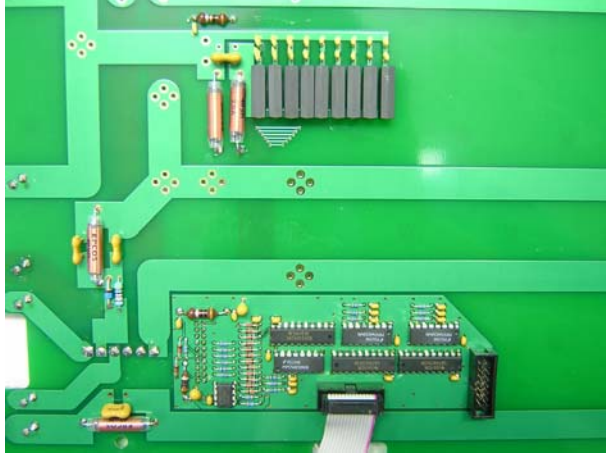




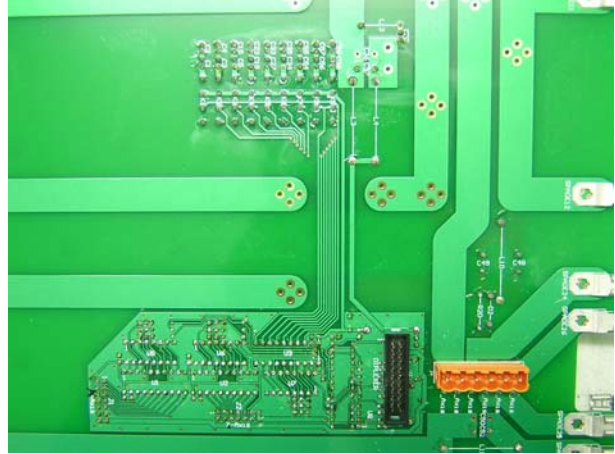
### APPENDIX D8 PHOTOGRAPHS TEST SAMPLE (INTERIOR)

**PCB based antenna:**

**Top Outer Antenna Diplexer Front**



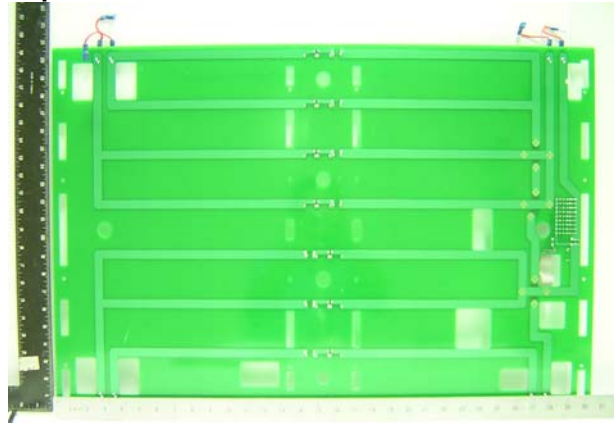
**Top Outer Antenna Diplexer Back**



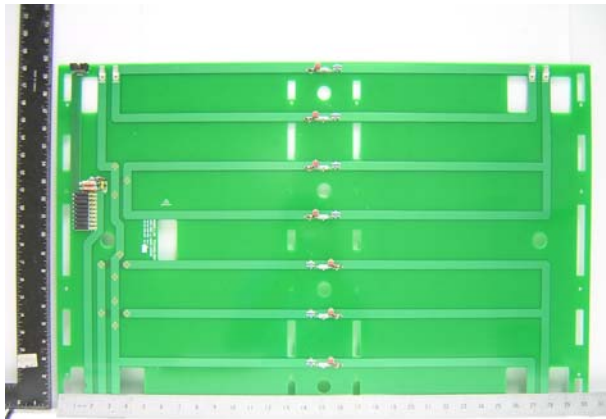
**Top Inner Antenna Front**



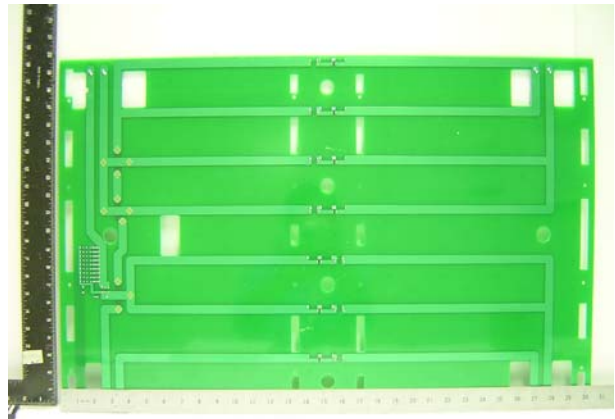
**Top Inner Antenna Back**



**Left Side Inner Antenna Front**



**Left Side Inner Antenna Back**



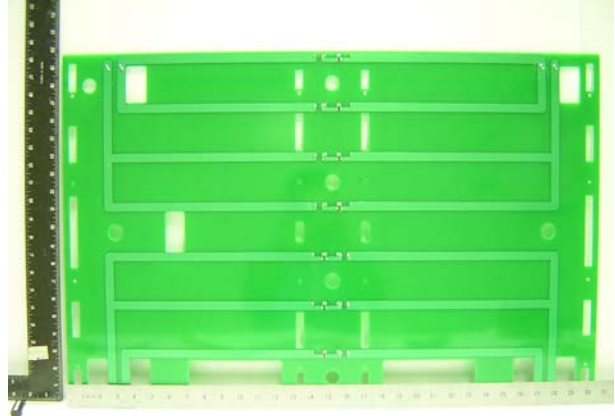
### APPENDIX D9 PHOTOGRAPHS TEST SAMPLE (INTERIOR)

#### PCB based antenna (Cont'd):

Right Side Inner Antenna Front



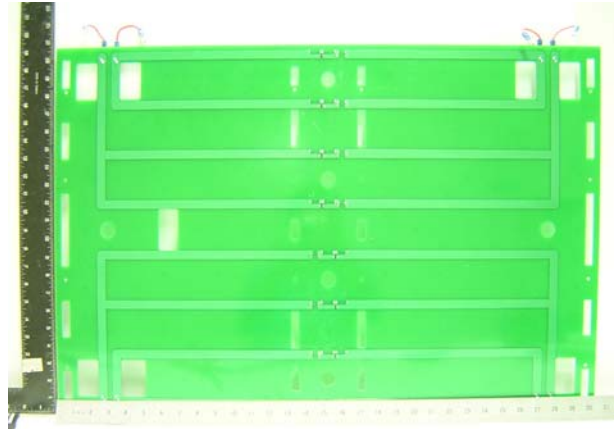
Right Side Inner Antenna Back



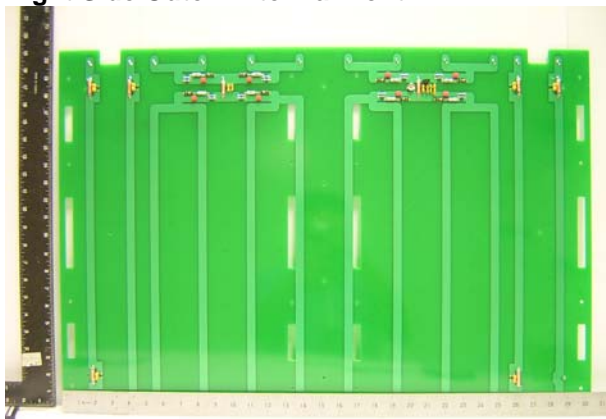
Bottom Inner Antenna Front



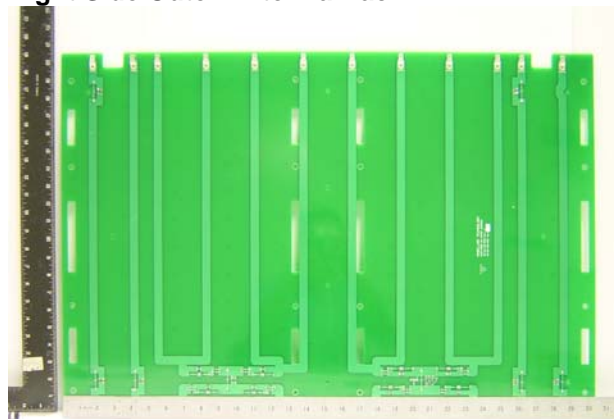
Bottom Inner Antenna Back



Right Side Outer Antenna Front



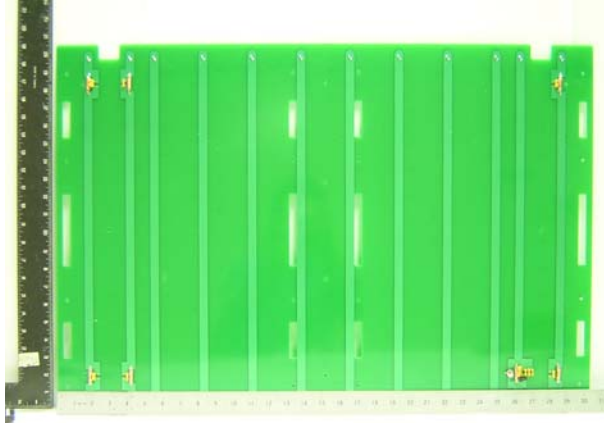
Right Side Outer Antenna Back



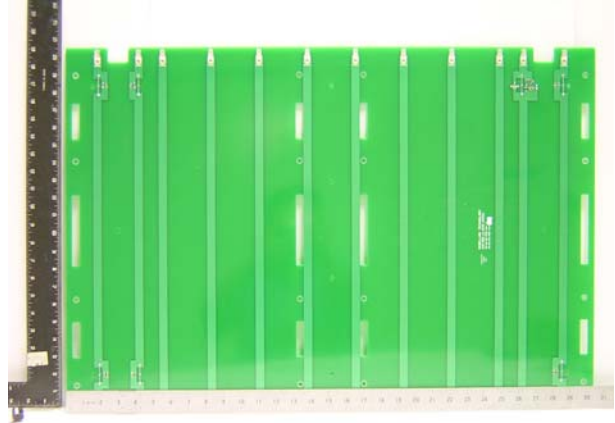
### APPENDIX D10 PHOTOGRAPHS TEST SAMPLE (INTERIOR)

#### PCB based antenna (Cont'd):

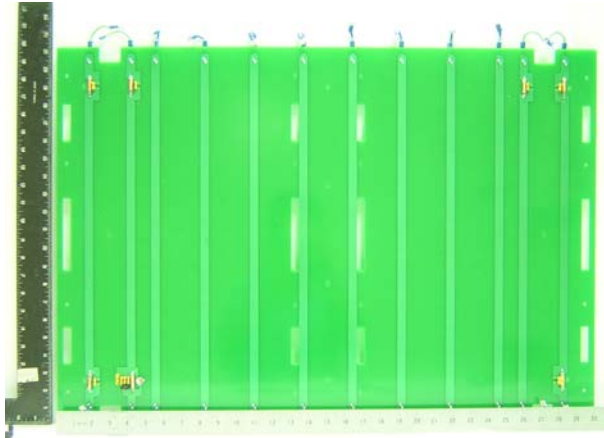
Left Side Outer Antenna Front



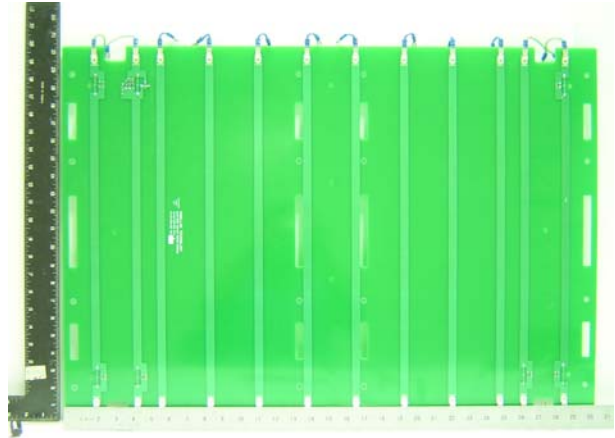
Left Side Outer Antenna Back



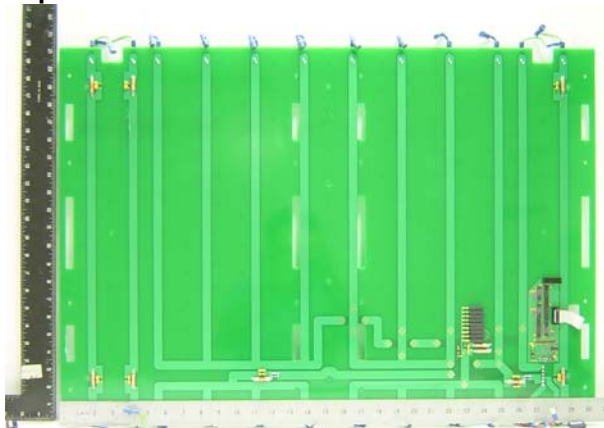
Bottom Outer Antenna Front



Bottom Outer Antenna Back



Top Outer Antenna Front



Top Outer Antenna Back

