

## PCN – Process Change Notification

Change:	FXP70.07.0053A
Date:	2016/08/22
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### Affected Products

Model#	Part Number	Changes
FXP70 Antenna Assembly 53mm 1.13 IPEX MHF1	FXP70.07.0053A	Amend connector tolerance from $\pm 0.3\text{mm}$ to $\pm 0.5\text{mm}$ .
		Add cutting line.
		Amend FPCB tolerance from $\pm 0.3\text{mm}$ to $0.2\text{mm}$ .
		Amend FPCB thickness from $0.1\text{mm}$ to $0.24\text{mm}$ .
		Modify inspection frequency and VSWR value.

### Type of Change

Hardware Modification

Production Process Advance

Others – FPCB Tolerance 、 add cutting line 、 modify inspection limitation.

### Description of Change

1. Amend connector tolerance from  $\pm 0.3\text{mm}$  to  $\pm 0.5\text{mm}$ .
2. Add cutting line.
3. Amend FPCB tolerance from  $\pm 0.3\text{mm}$  to  $0.2\text{mm}$ .
4. Amend FPCB thickness from  $0.1\text{mm}$  to  $0.24\text{mm}$ .
5. Our original free space was incorrect. Therefore, we tested samples and then modified frequency and value according to test result to let the measurement more accurate.

### Schedule

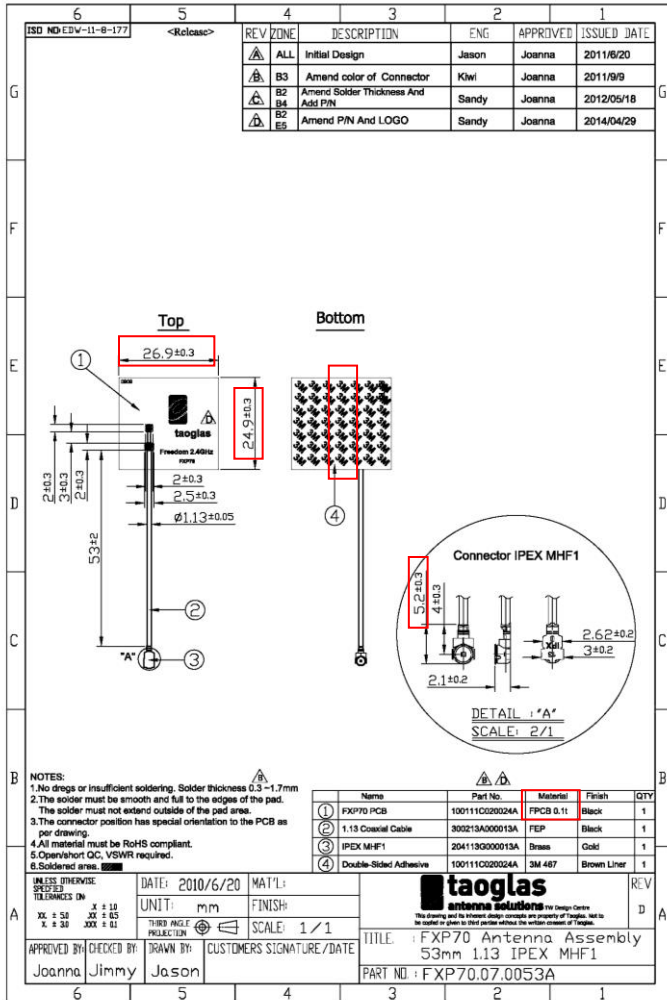
2016, August, Taoglas will input this new packaging rules into production.

### Forecast Estimated Transition Date

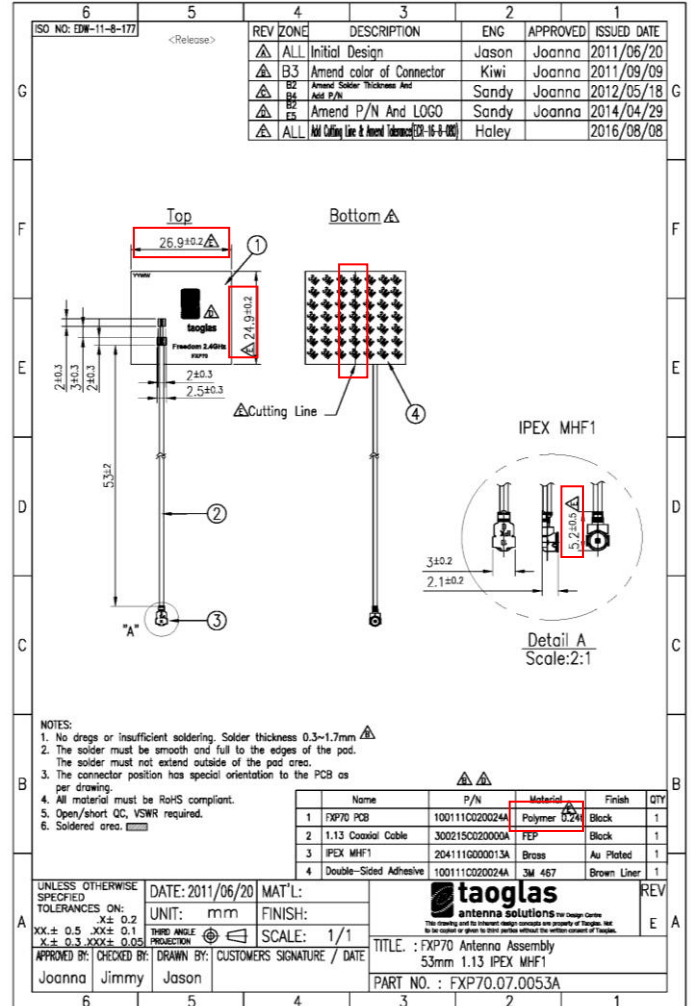
**Aug/2016**

### Illustration of Change

#### Old drawing



#### New drawing



### Old frequency and VSWR value

	2750MHz	2850MHz
SWR	<2.0	<2.2

	2750MHz	2850MHz
Sample1	1.28	1.61
Sample2	1.12	1.74
Sample3	1.12	1.62
Sample4	1.06	1.76
Sample5	1.13	1.65

### New frequency and VSWR value

	2650MHz	2700MHz	2750MHz
SWR	<2.2	<2	<2

	2650MHz	2700MHz	2750MHz
Sample1	1.31	1.08	1.42
Sample2	1.27	1.14	1.48
Sample3	1.26	1.22	1.50
Sample4	1.03	1.34	1.72
Sample5	1.35	1.04	1.36