SUMMARY TEST DATA
ON
PEC3-40-2G6G-15LM-SFF-HS

Customer:		**Tested By:**	**H. Gonzales/S. Palacio**
Job No:		**Temperature:**	**+25°C**
Model No:	**PEC3-40-2G6G-15LM-SFF-HS**	**Date:**	**11/14/12**
Serial No:	**PL11888/1245**		

TEST. ITEM NO	PARAMETERS	SPECIFIED VALUE		PASS FAIL		QA QC
1	Frequency Range:	1.85 GHz – 6.25 GHz		**Pass 1.85 GHz – 6.25 GHz**		
2	Noise Figure:	5.5dB Max @ +25°C 6.0dB Max @ +85°C		**Pass @ +25°C Pass @ +85°C (See Plots)**		
3	Gain:	35dB Min		**Pass (See Plots)**		
4	Gain Variation over Temperature:	±4.0dB Max (-55°C to +85°C)		**Pass (See Plots) See Typical Characteristics**		
5	Gain Flatness: (At any Temp.)	±2.5dB Max	Full Range	**See Typical Characteristics**	**Full Range**	
		±2.0dB Max	(Over any 500MHz)	**See Typical Characteristics**	**(Over any 500MHz)**	
6	VSWR: (Input/Output)	2.0:1 Max		**Pass (See Plots)**		
7	Saturated Power Output:	+15dBm Min		**Pass (See Graphs)**		
8	Input Power Range:	-15 to +17 dBm		**Pass**		
9	Saturated Power Flatness:	±1.5dB Max	(At Any Operating Temperature)	**Pass (See Graphs)**	**(At Any Operating Temperature)**	
		±0.5dB Max	(Over any 500MHz)	**Pass (See Graphs)**	**(Over any 500MHz)**	
10	Saturated Power Variation over Temp.	±1.25dB Max (At any single Frequency)		**Pass (See Graphs)**		

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11	Harmonic Content:	-15dBc Min.	**>15 dBc**	
12	Reverse Isolation:	50dB Min.	**Pass (See Plot)**	
13	Pulse Response: (Overshoot)	0.2dB Max	**See Typical Characteristics**	
14	Pulse Response: (Settling Time)	10nsec Max	**See Typical Characteristics**	
15	Pulse Response: (Recovery Time)	50nsec Max	**See Typical Characteristics**	
16	Maximum Input: (No Damage)	+20dBm CW Max. +30dBm, .005 Duty Cycle, 1 µsec	**Pass**	
17	DC Supply:	350mA Max. @ +10.8VDC to +13.2VDC	**214mA @ +10.8VDC to +13.2VDC**	

QA/QC Approval: _____ **Date:** _____

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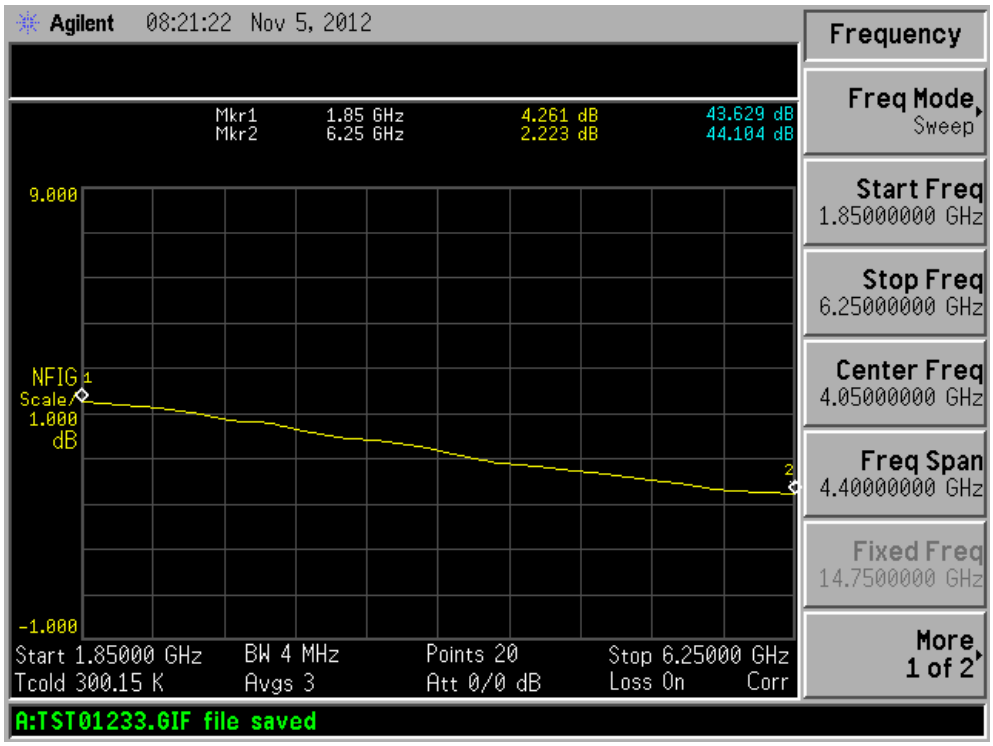
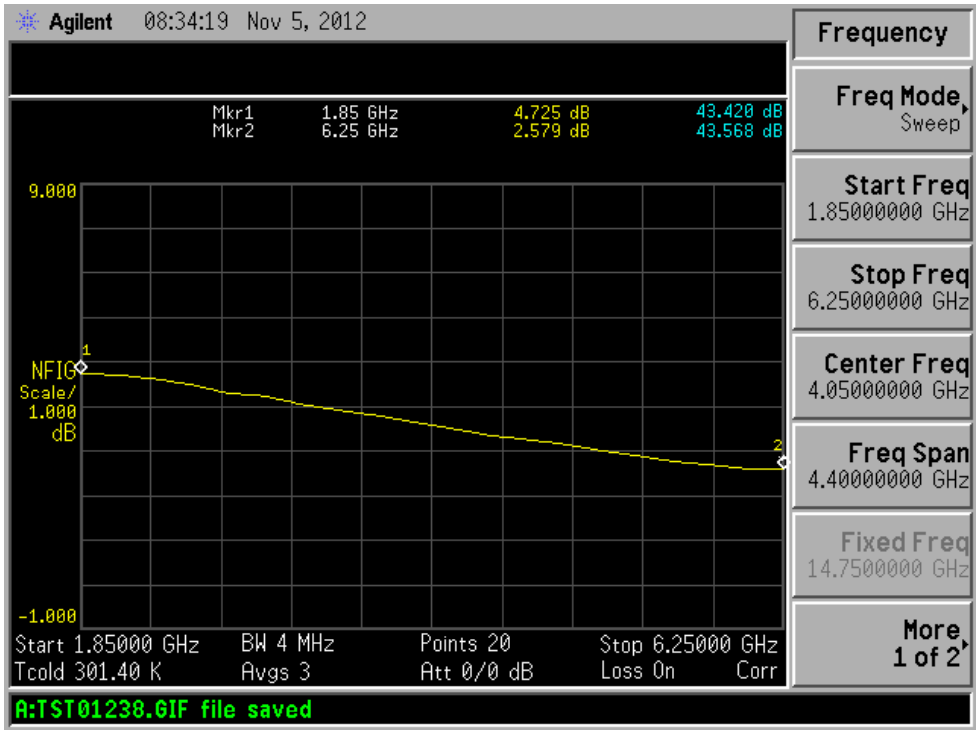
Noise Figure Plot (+25°C)



Noise Figure Plot (+85°C)



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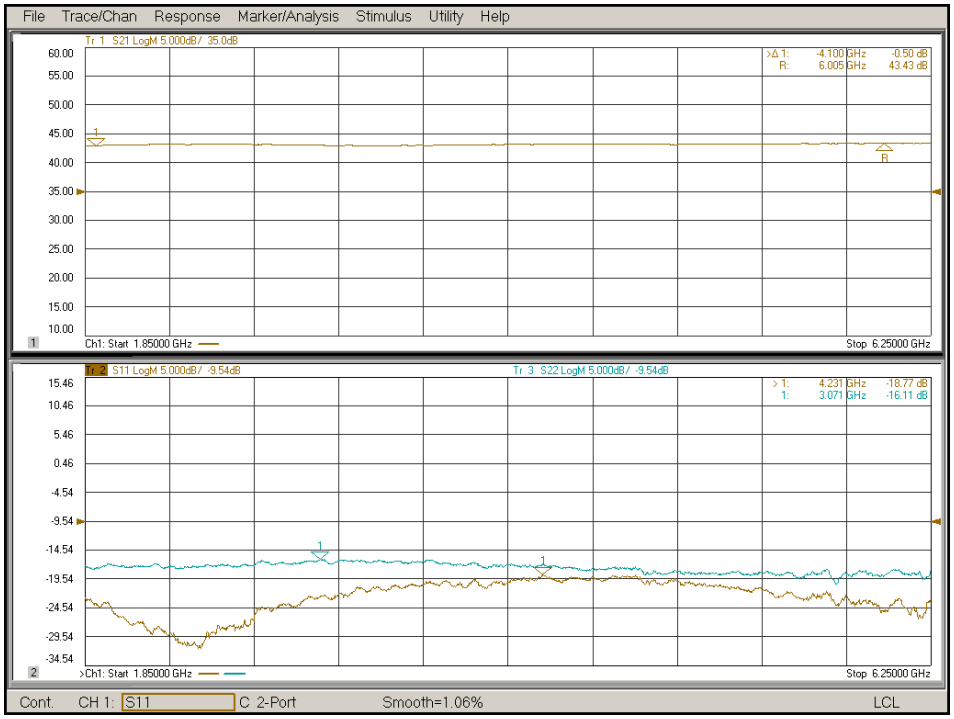
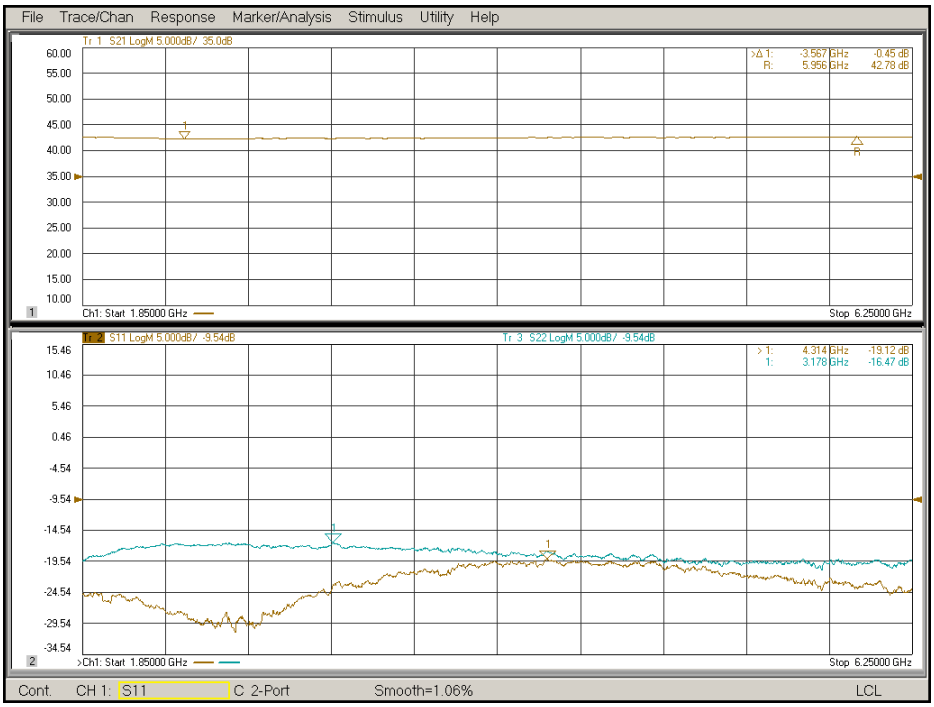
Gain & VSWR @ +25C



Gain & VSWR @ +85C



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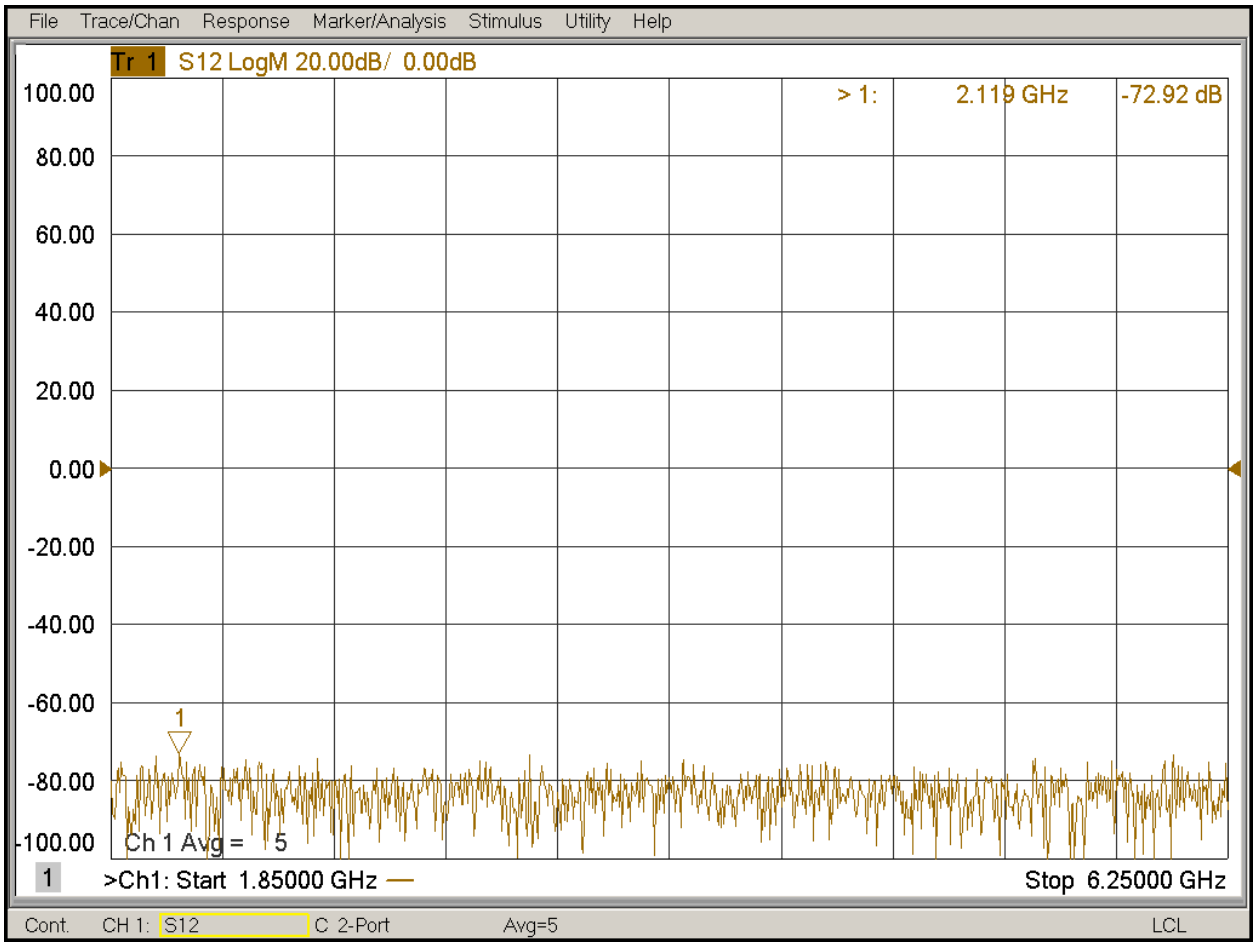
Reverse Isolation



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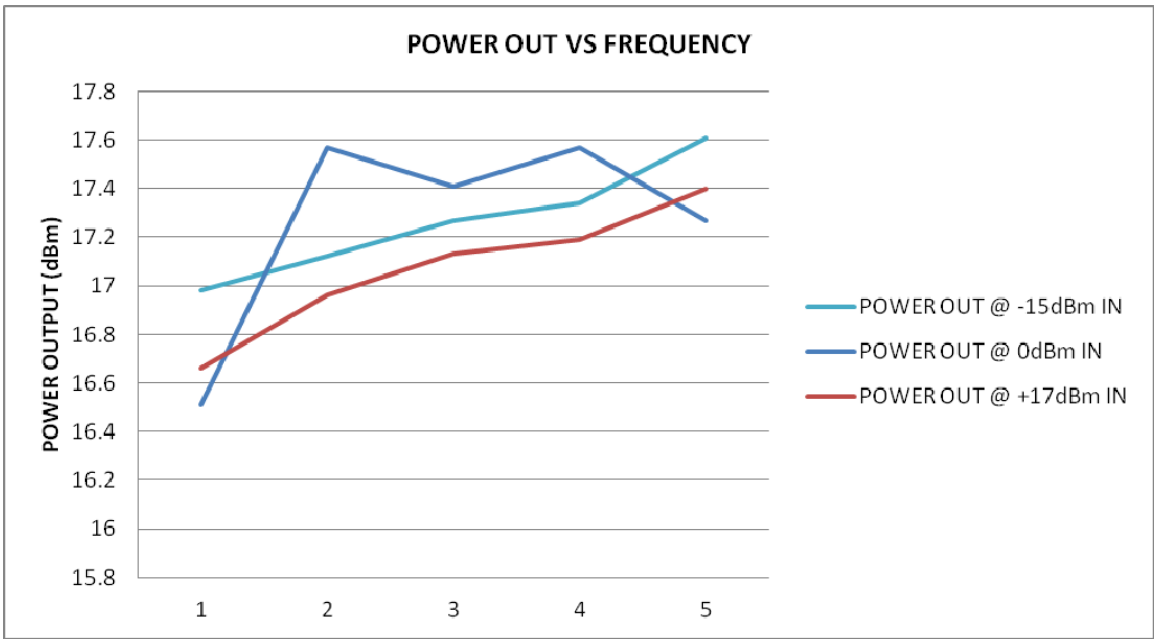
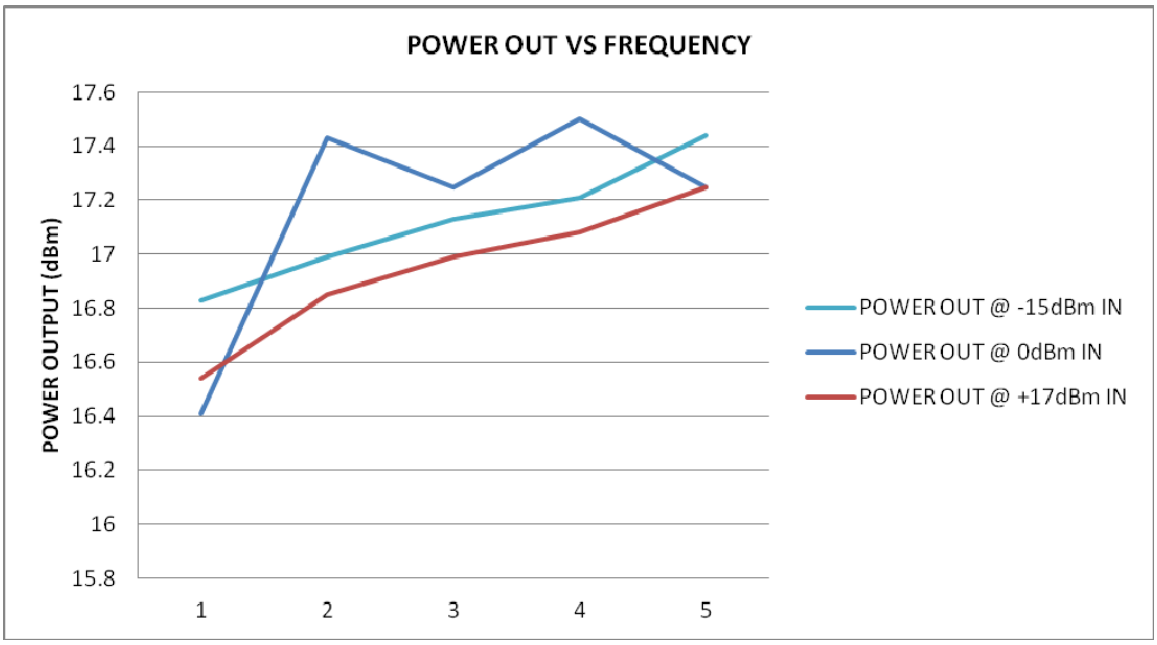
Power Output vs. Frequency @ -55C



Power Output vs. Frequency @ +25C



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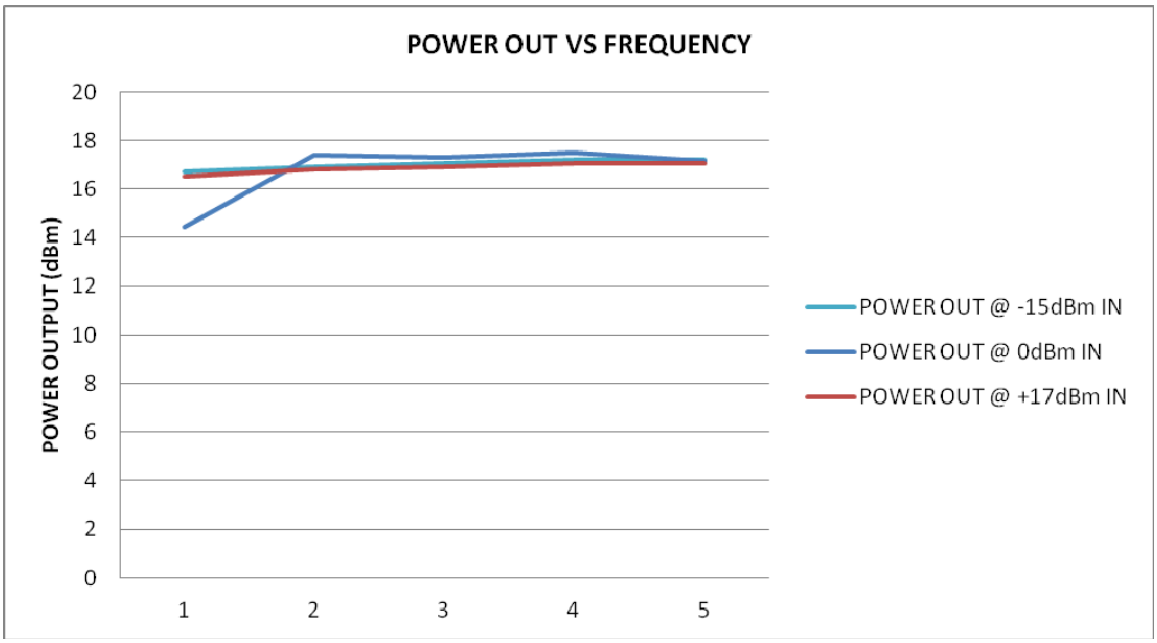
Power Output vs. Frequency @ +85C



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