

**SUMMARY TEST  
ON  
PA-2G18G-43-5-40-SFF-24V**

Customer: \_\_\_\_\_  
 SO No: \_\_\_\_\_  
 Model No: PA-2G18G-43-5-40-SFF-24V  
 Serial No: PL55442/2539

Tested By: Alfredo Lopez  
 Temperature: +25° C  
 Date: 10/10/2025  
 Drawing No: 27650740      REV: A1

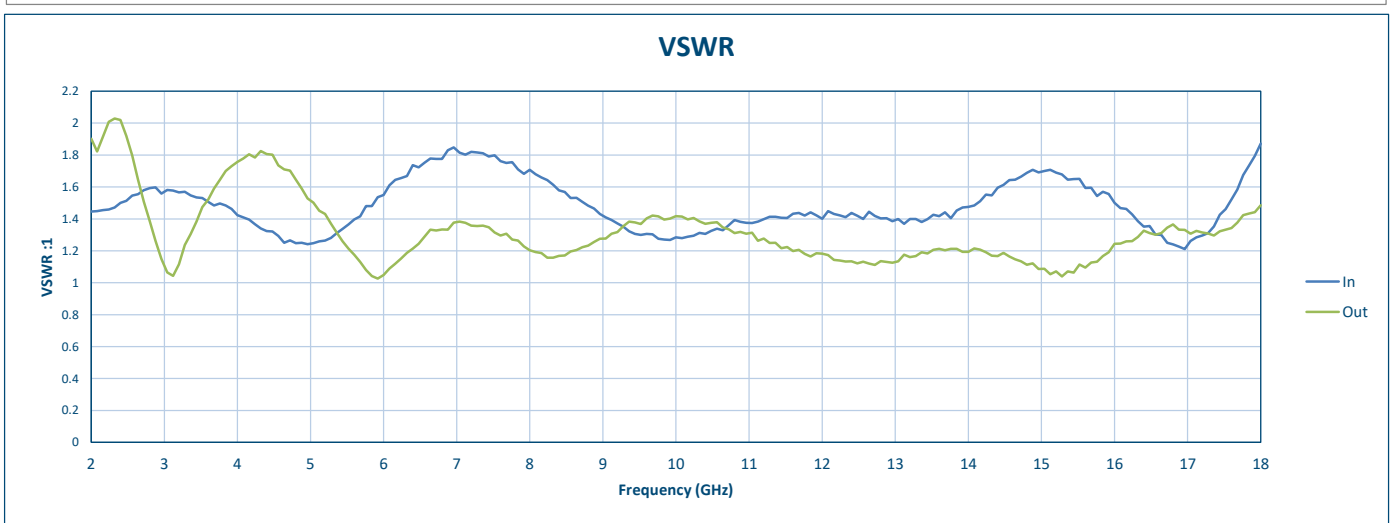
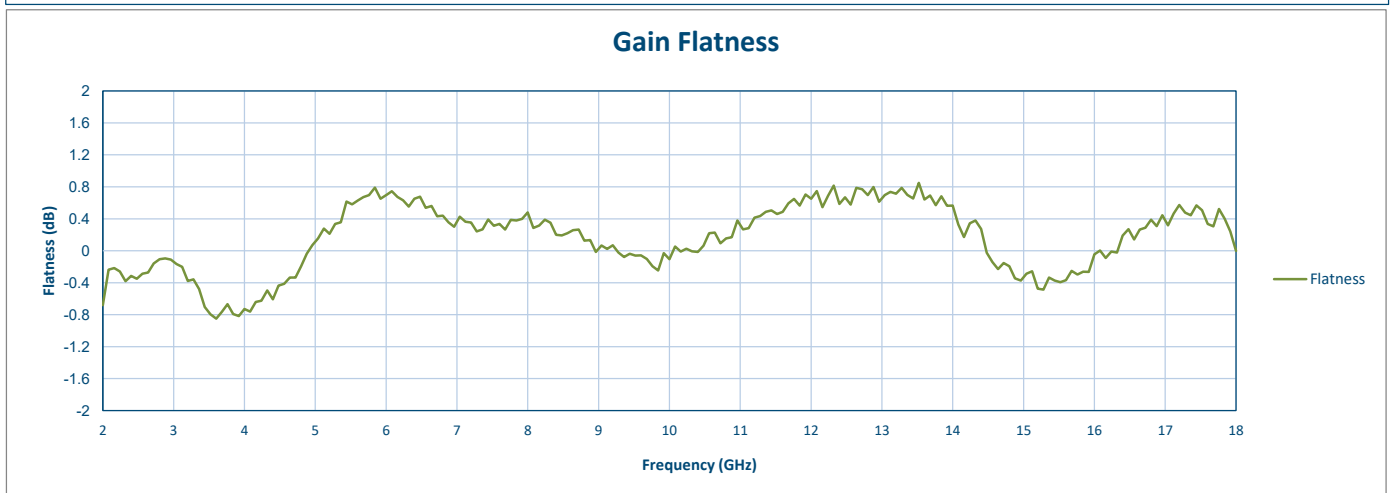
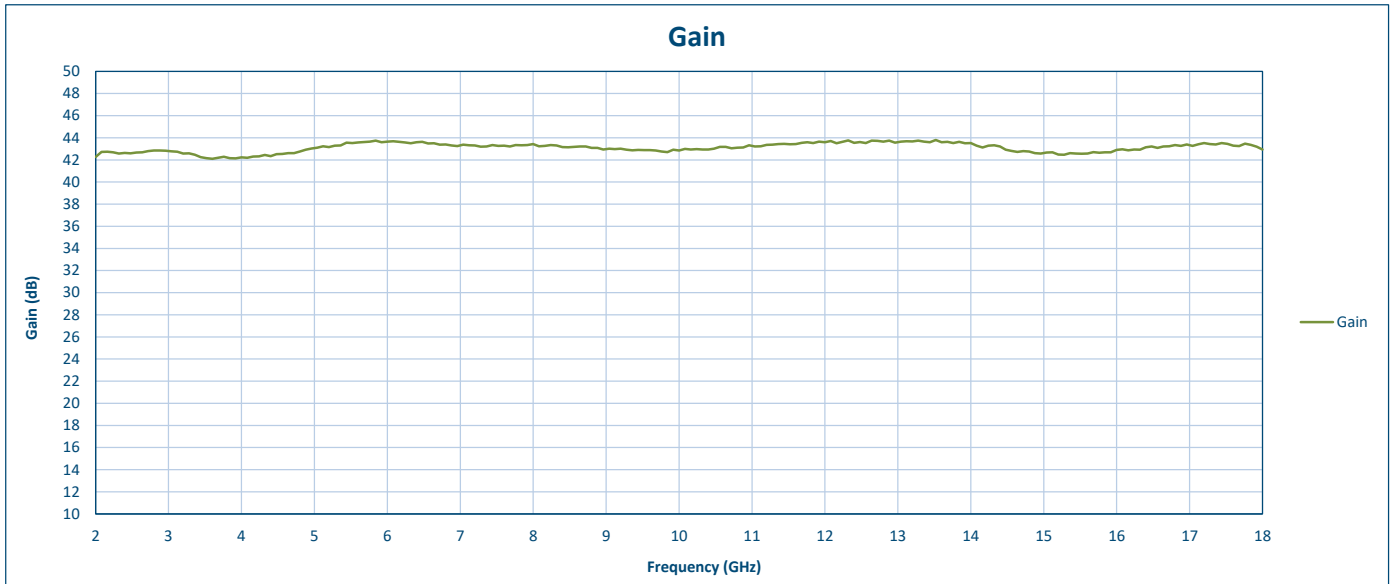
TEST. ITEM NO	PARAMETERS	SPECIFIED VALUE	Test Results	QA QC
			+25°C	
1	Frequency Range:	2.0 - 18.0 GHz	2.0 - 18.0 GHz	
2	Gain:	43 dB Typ. 39 dB Min.	42.1 dB See Graph	
3	VSWR: (Input)	2.0:1 Max.	1.87 :1 See Graph	
	VSWR: (Output)	2.4:1 Max.	2.03 :1 See Graph	
4	Noise Figure:	5.0 dB Max	2.79 dB See Graph	
5	PSAT:	40 dBm (10W) Typ. 36 dBm Min	43.97 dBm Max. 39.68 dBm Min. See Graph	
6	Input Power:	20 dBm Max.	Pass See Graph	
7	DC Supply:	+24 VDC	+24 VDC & 3.4 A @Psat	
8	Control (Enable)	"1" = +3V ON "0" = 0 V OFF	Pass	

Typical Current	
+25°C	
-30 dBm Input Power	2.3 A
+20 dBm Input Power	3.4 A

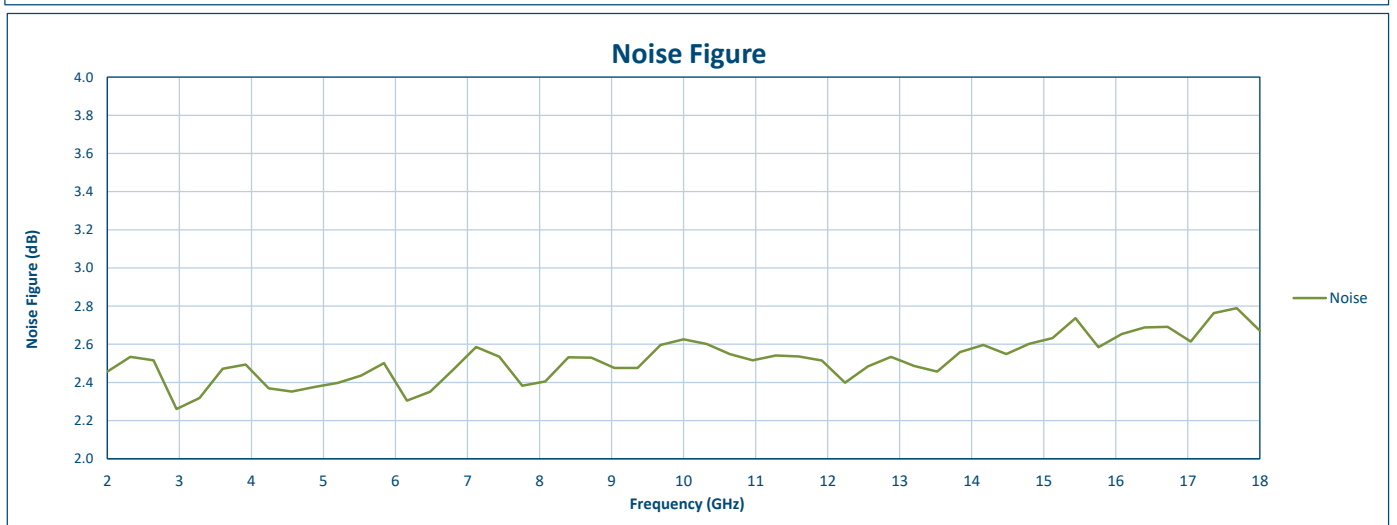
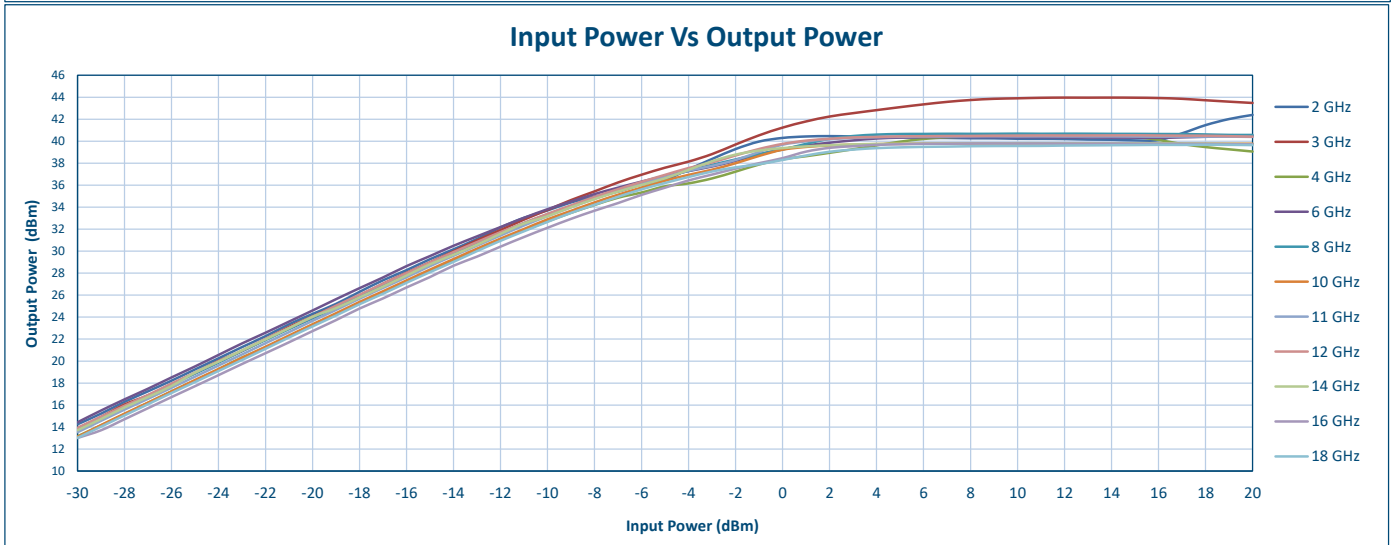
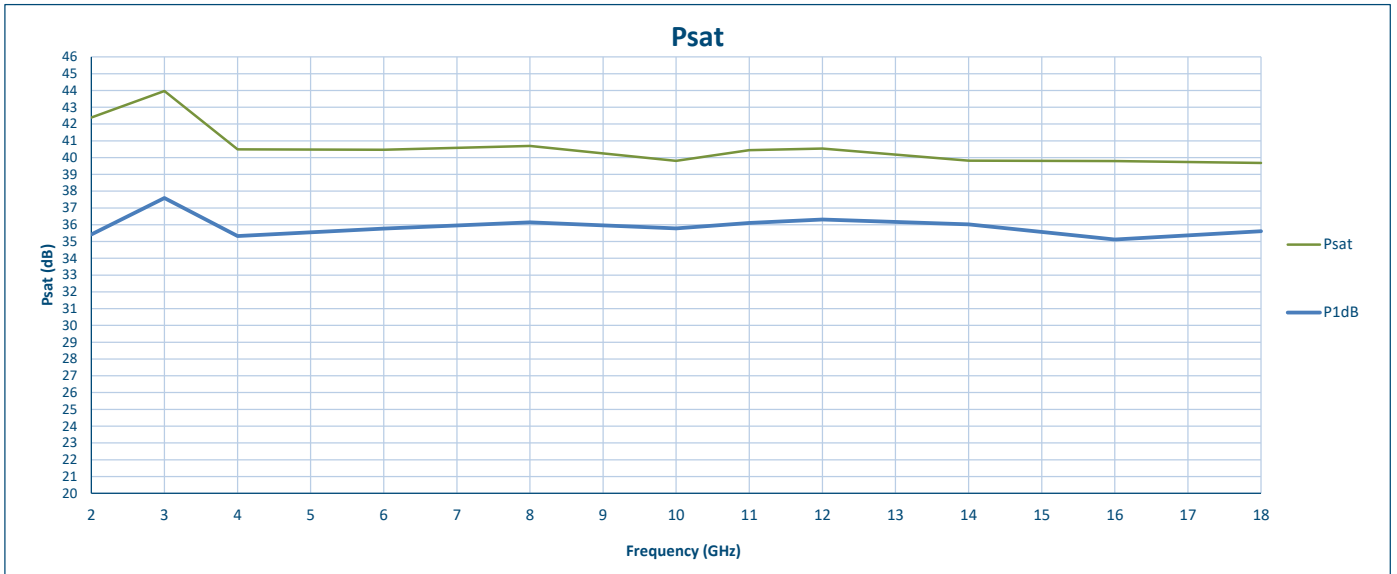
QA/QC Approval: \_\_\_\_\_

Date: \_\_\_\_\_

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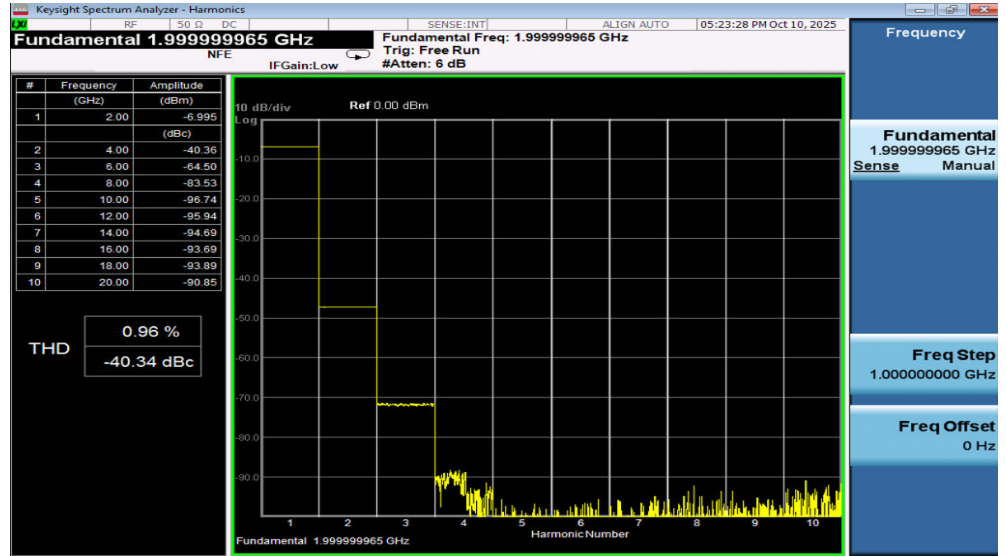
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## Harmonics

Fundamental Frequency - 2GHz

-30 dBm Input Power

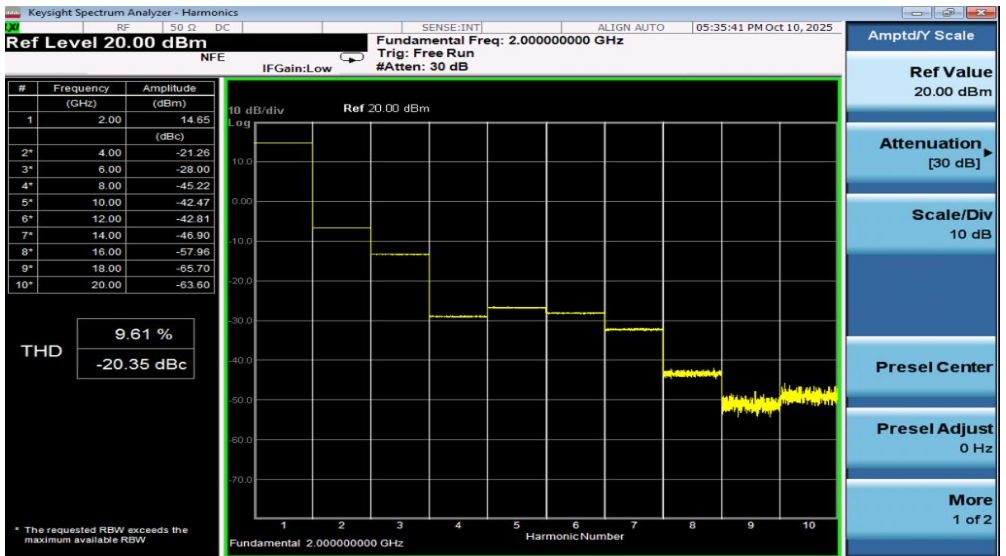
Second harmonic measured value  
40.36 dBc



Fundamental Frequency - 2GHz

-5 dBm Input Power (@ P1dB)

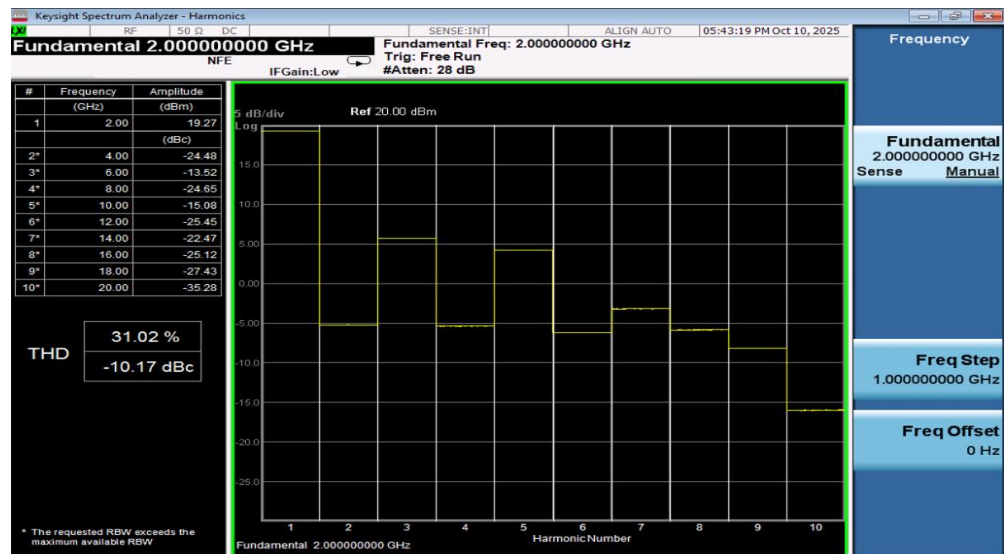
Second harmonic measured value  
21.26 dBc



Fundamental Frequency - 2GHz

+15 dBm Input Power (@ PSat)

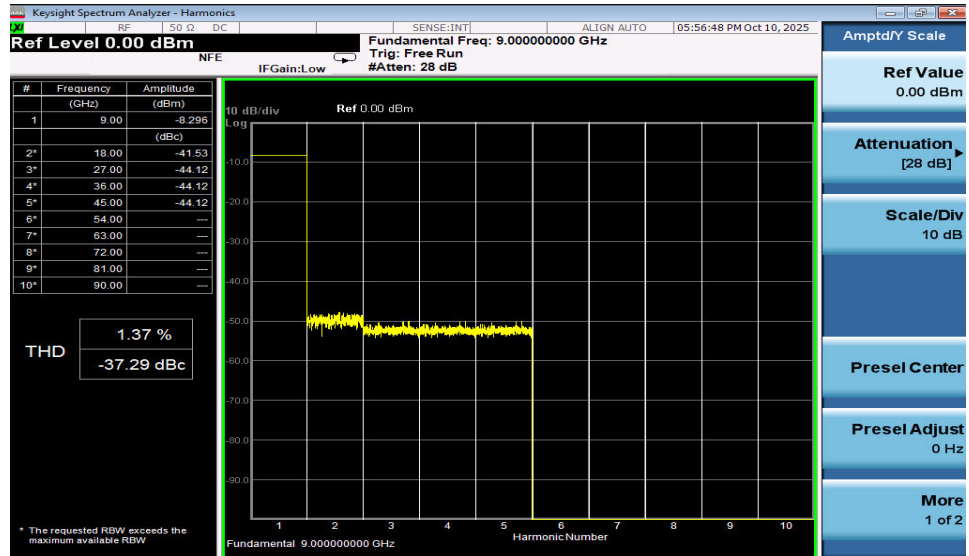
Second harmonic measured value  
13.52 dBc



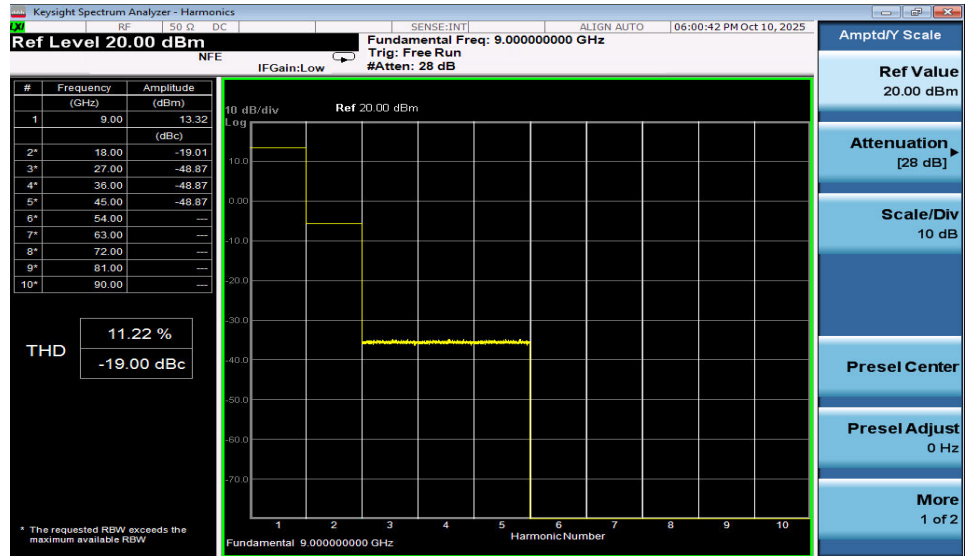
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## Harmonics

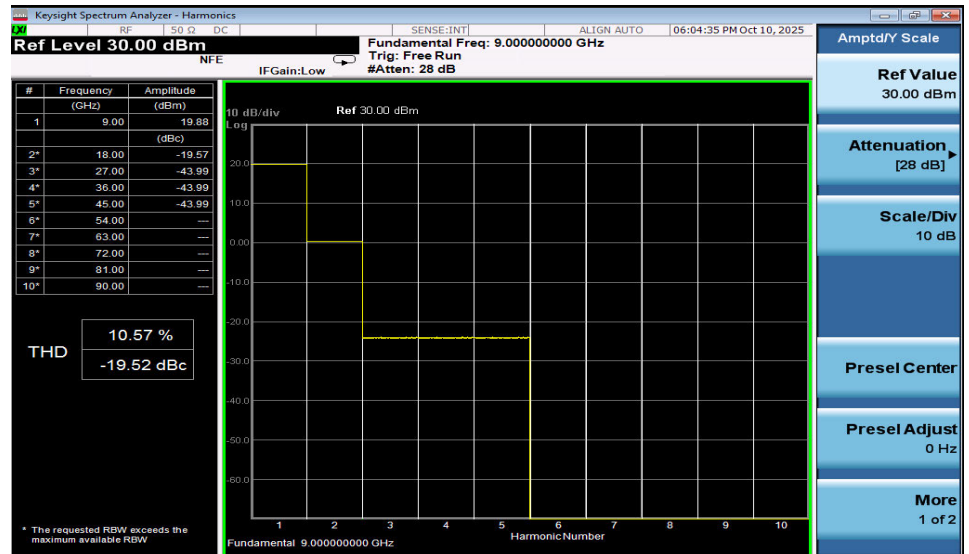
**Fundamental Frequency - 9 GHz**  
**-30 dBm Input Power**  
**Second harmonic measured value**  
**40.36 dBc**



**Fundamental Frequency - 9 GHz**  
**-5 dBm Input Power (@ P1dB)**  
**Second harmonic measured value**  
**21.26 dBc**



**Fundamental Frequency - 2 GHz**  
**+15 dBm Input Power (@ PSat)**  
**Second harmonic measured value**  
**13.52 dBc**



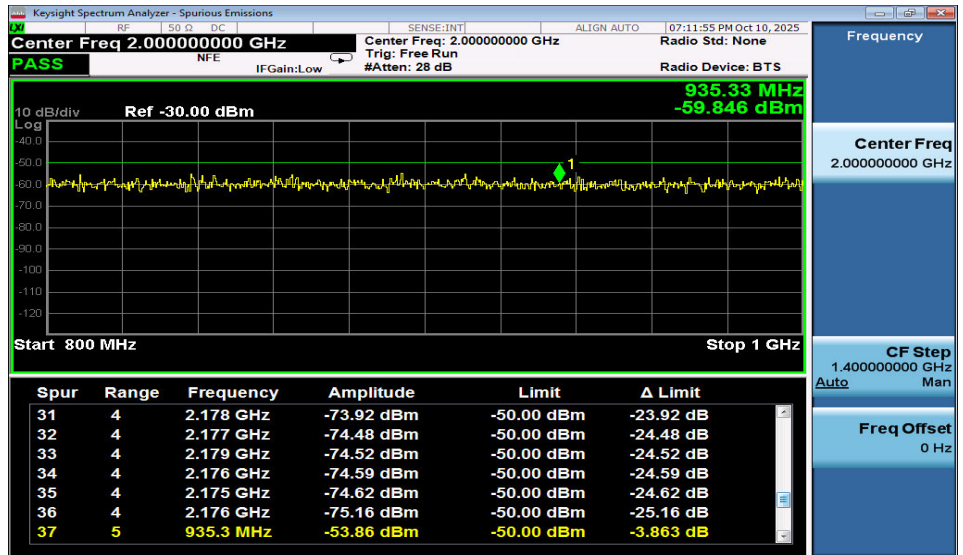
# SUMMARY TEST ON PA-2G18G-43-5-40-SFF-24V

## Spurious

Fundamental Frequency - 2 GHz

-30 dBm Input Power

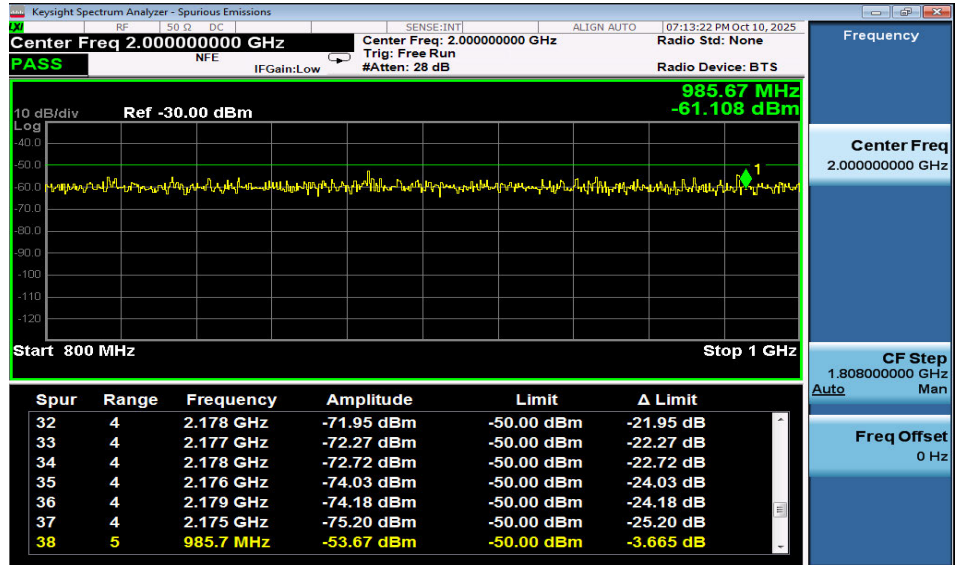
Spurious measured value  
53.86 dBm



Fundamental Frequency - 2 GHz

-5 dBm Input Power (@ P1dB)

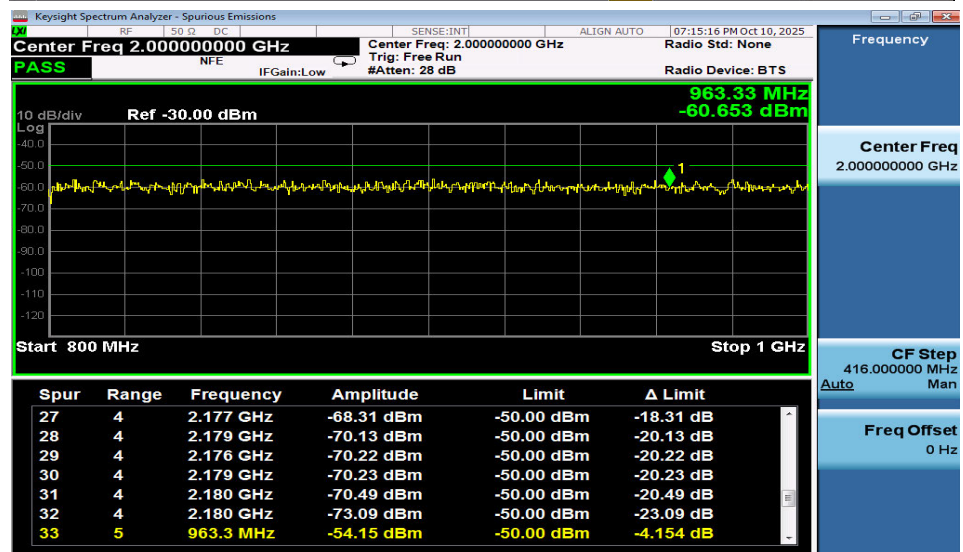
Spurious measured value  
53.67 dBm



Fundamental Frequency - 2 GHz

+15 dBm Input Power (@ PSat)

Spurious measured value  
54.15 dBm



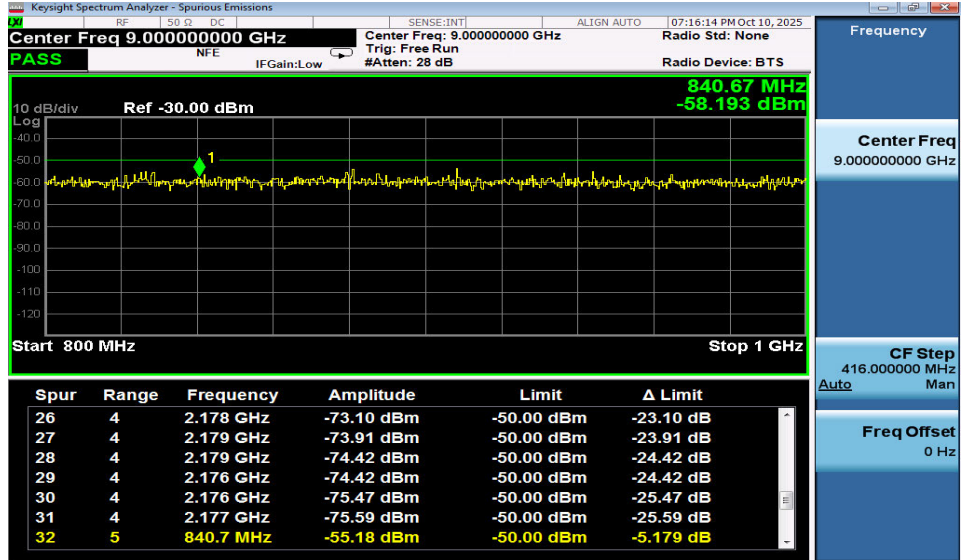
# SUMMARY TEST ON PA-2G18G-43-5-40-SFF-24V

## Spurious

Fundamental Frequency - 9 GHz

-30 dBm Input Power

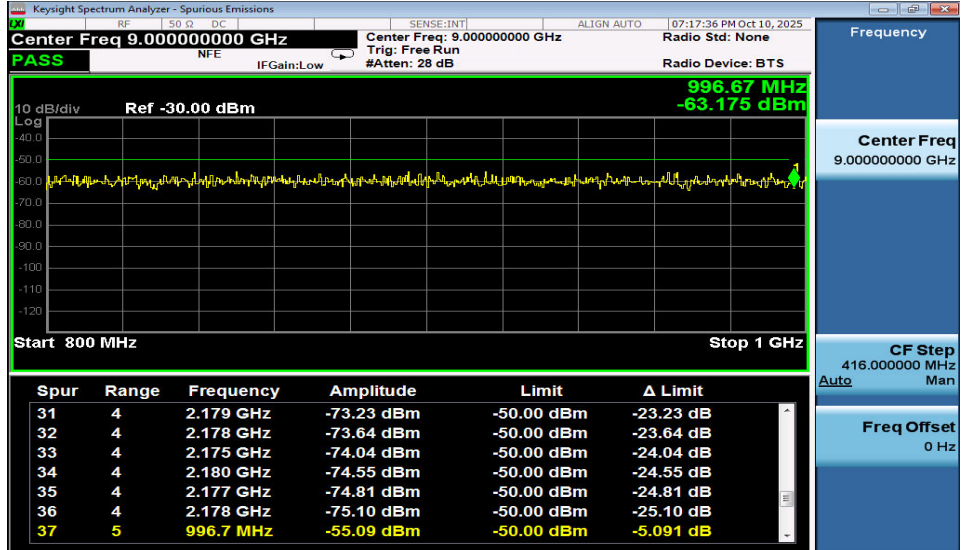
Spurious measured value  
55.18 dBm



Fundamental Frequency - 9 GHz

-5 dBm Input Power (@ P1dB)

Spurious measured value  
55.09 dBm



Fundamental Frequency - 9 GHz

+15 dBm Input Power (@ PSat)

Spurious measured value  
54.57 dBm

