

SUMMARY TEST DATA ON QC-7G18G-SFF-30W

Customer: _____
 SO No: _____
 Model No: QC-7G18G-SFF-30W
 Serial No: 54717
 Part No: _____

Tested By: K. Mansfield
 Temperature: +25°C
 Date: 6/10/2025
 Drawing No: 27625862 Rev: A1

TEST ITEM NO.	PARAMETERS	SPECIFIED VALUE	TEST RESULTS	QA QC
1	Frequency Range:	7.0 to 18.0 GHz	7.0 to 18.0 GHz	PMI QA4
2	Insertion Loss:	≤ 1.3 dB	0.95 dB (See Plot)	
3	VSWR:	$\leq 1.4:1$	1.2:1 (See Plot)	
4	Nominal Split:	3.01 dB	Pass (See Typical Characteristics)	
5	Isolation:	18 dB Minimum	22.3 dB (See Plot)	
6	Amplitude Balance:	$\leq \pm 0.5$ dB	± 0.35 dB (See Plot)	
7	Phase Balance:	$\leq \pm 5^\circ$	+1.1° -0.1° (See Plot)	
8	Power Handling:	Average ≤ 30 W Peak ≤ 1 kW	Average ≤ 30 W Peak ≤ 1 kW	
9	Impedance:	50 Ω	50 Ω	PMI QA4

QA/QC Approval:

Carmen Kelly

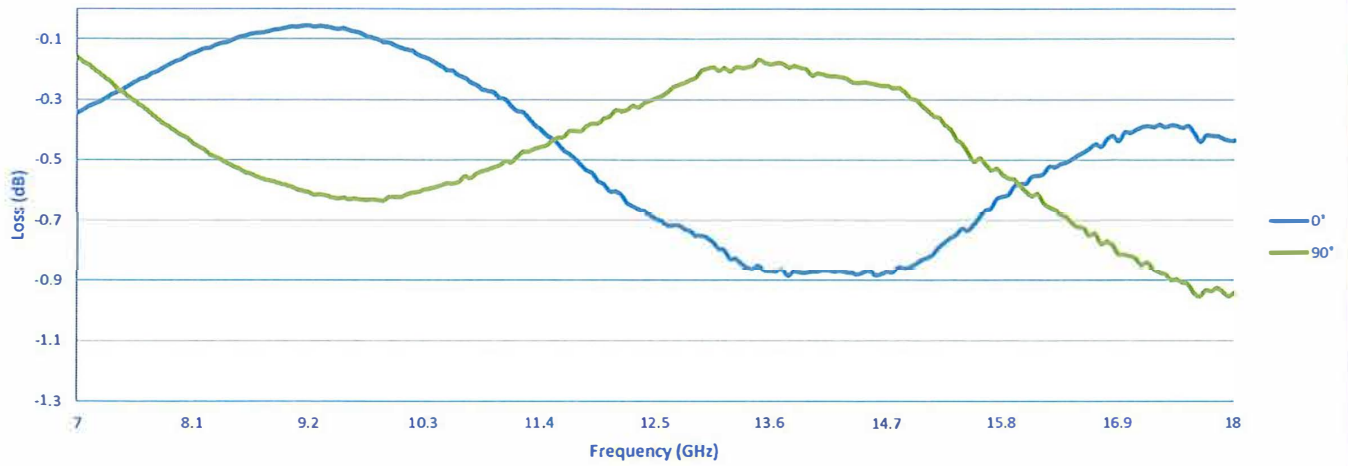
Date:

6/16/25

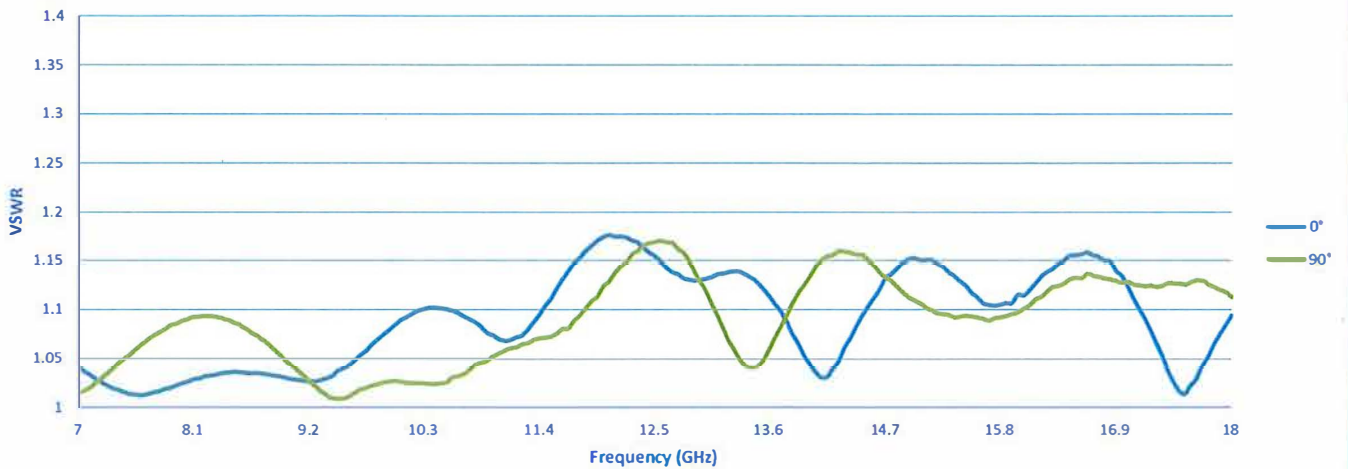
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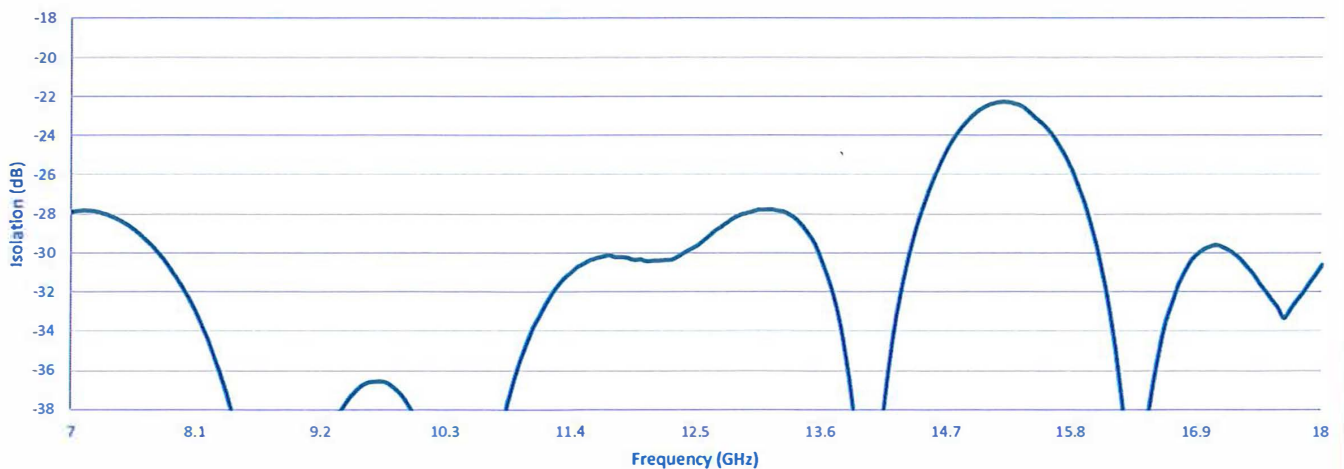
Insertion Loss



VSWR



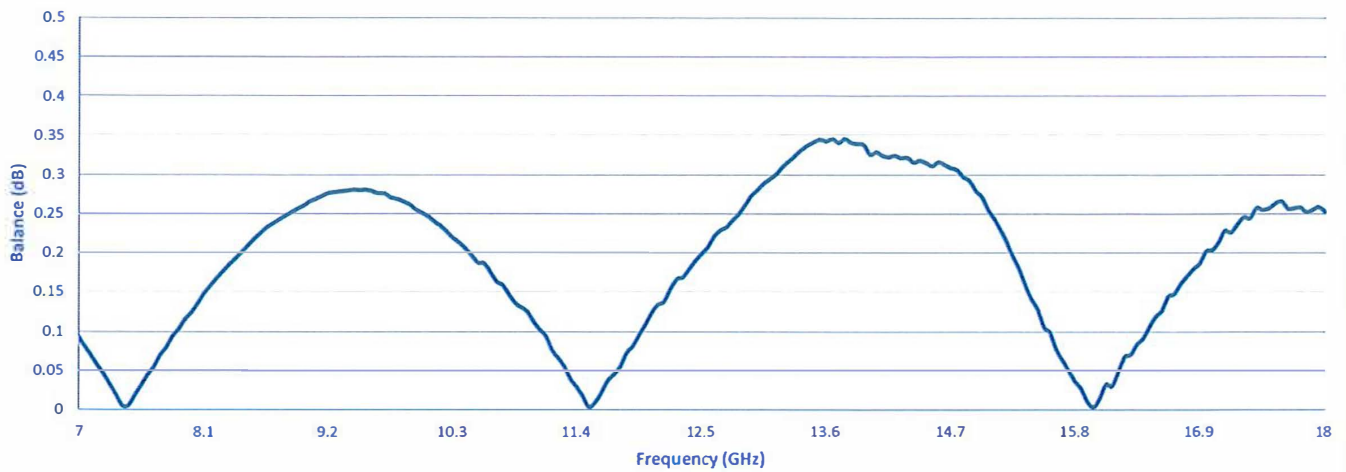
Isolation



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Amplitude Balance



Phase Balance

