



Electrical Specifications:

Tx to Ant					
Parameters Description	Condition (MHz)	Unit	Minimum	Typical	Maximum
Insertion Loss	880.24~914.76	dB	-	2.1	3.2
	882.4~912.6	dB	-	1.9	2.4
Ripple	880.0~915.0	dBp-p	-	1.1	2.8
VSWR of Ant Port	880.0~915.0	-	-	1.7	2.1
VSWR of Tx Port	880.0~915.0	-	-	2.0	2.3
Attenuation:	10.0~728.0	dB	35	38	-
	728.0~798.0	dB	30	38	-
	927.4~957.6	dB	44	54	-
	1565.0~1607.0	dB	45	47	-
	1710.0~2170.0	dB	45	50	-
	2400.0~2745.0	dB	40	45	-
	5130.0~5825.0	dB	12	20	-

Ant to Rx					
Parameters Description	Condition (MHz)	Unit	Minimum	Typical	Maximum
Insertion Loss	925.0~960.0	dB	-	2.1	2.9
	927.4~957.6	dB	-	2.0	2.4
Ripple	925.0~960.0	dBp-p	-	1.0	2.2
VSWR of Ant Port	925.0~960.0	-	-	1.6	2.3
VSWR of Rx Port	925.0~960.0	-	-	1.9	2.3
Attenuation:	699.0~798.0	dB	45	60	-
	882.4~912.6	dB	50	55	-
	1045.0~2880.0	dB	40	49	-

Notes: (1) With Matching Network



Electrical Specifications:

Tx to Rx					
Parameters Description	Condition (MHz)	Unit	Minimum	Typical	Maximum
Isolation:	882.4~912.6	dB	55	57	-
	915.0~925.0	dB	16	20	-
	927.4~957.6	dB	51	55	-

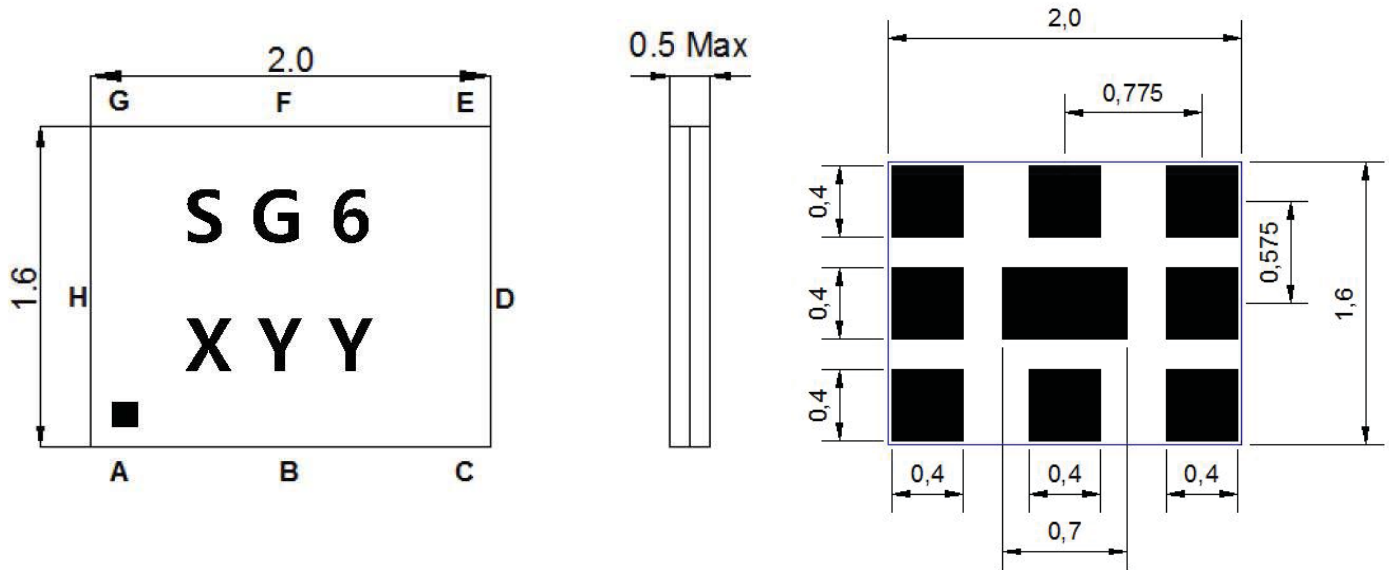
Maximum Ratings:

Parameters Description	Unit	Minimum	Typical	Maximum
Operation Temperature Range	°C	-20	-	+85
Storage Temperature Range	°C	-40	-	+85
Maximum DC Voltage	V	0		
Input Power at Tx Port	dBm	29dBm, Ta=+50°C, 10000h, WCDMA modulation		
Antenna Impedance (Single Ended)¹	Ω	50//7.5nH		
Tx Impedance (Single Ended)¹	Ω	50		
Rx Impedance (Single Ended)¹	Ω	50		
Package Size and Type	2.0 x 1.6 x 0.5 mm C45			

Notes: (1) With Matching Network



Outline Drawing:



Marking Descriptions	
S	Model
G6	Series Number
X	Date Code(Year+Month)
YY	Lot No

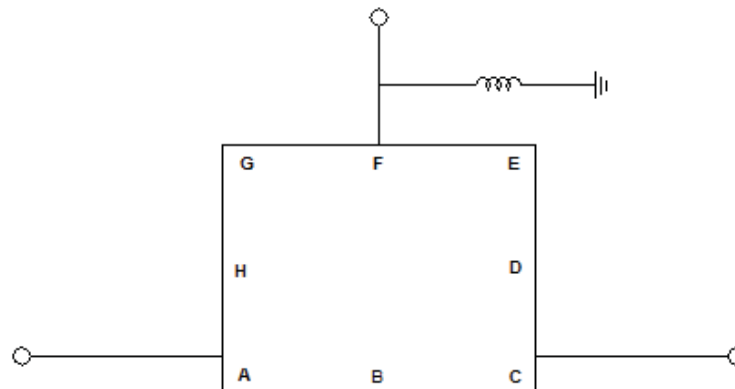
Pin Description	
B,D,E,G,H	Ground
F	Ant
C	Tx (897.5MHz)
A	Rx (942.5MHz)

Testing Environment:

Ant

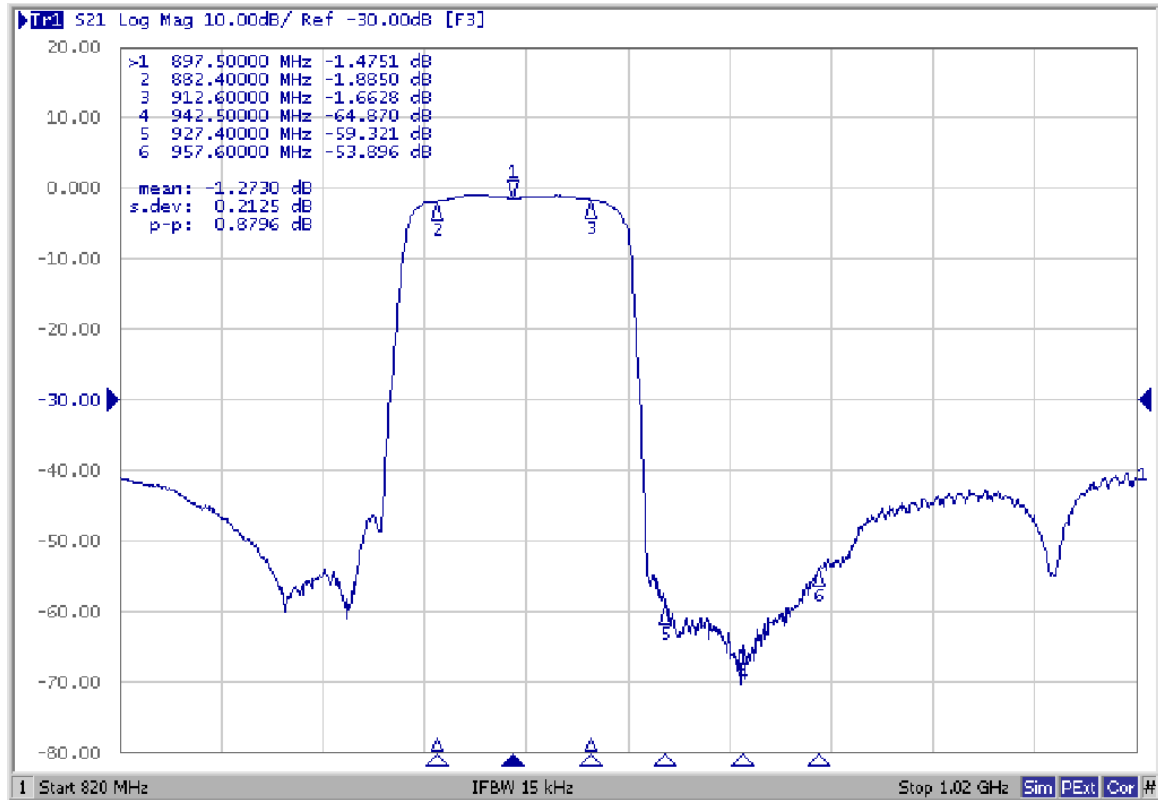
Rx Part

Tx Part

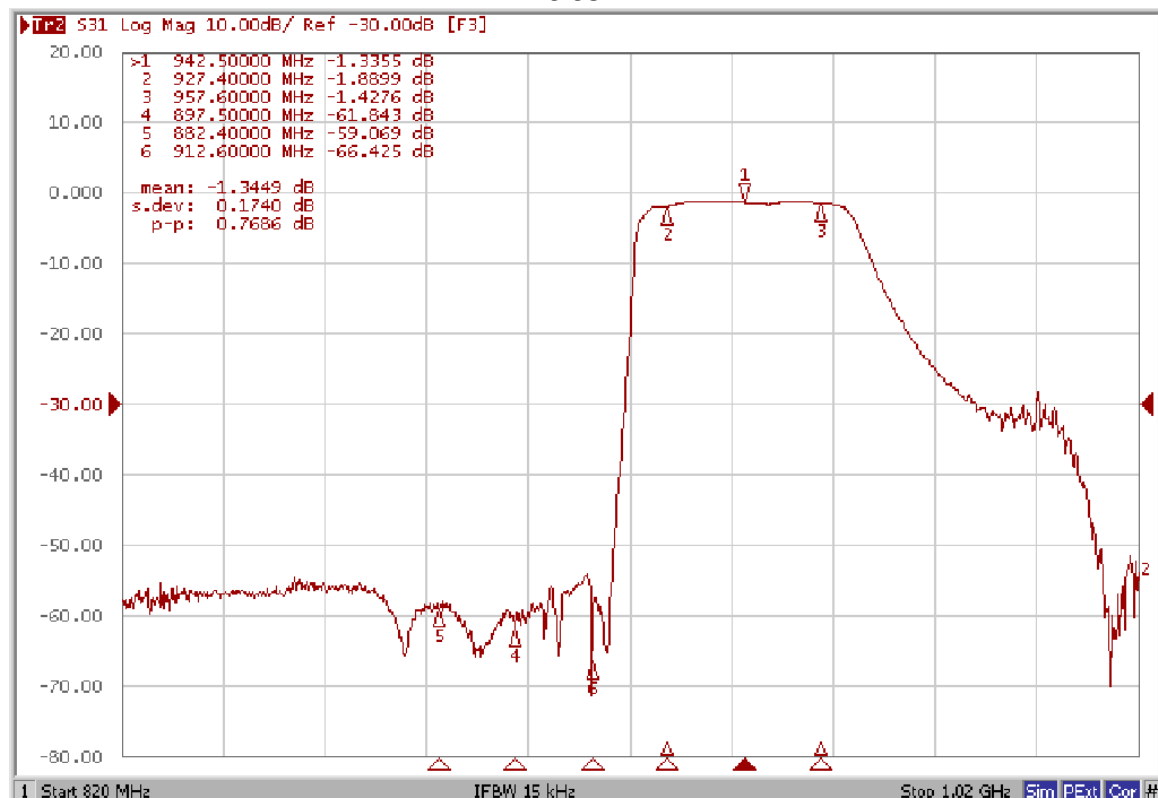




Tx to Ant:

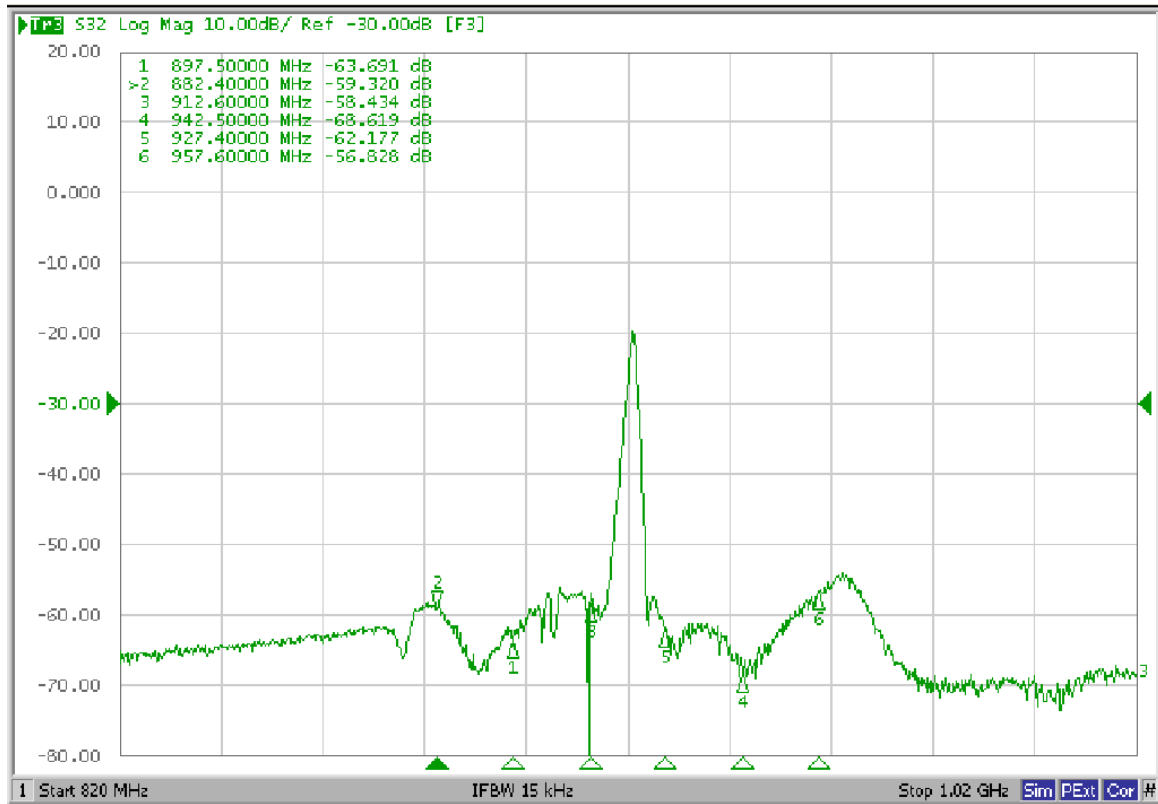


Ant to Rx:

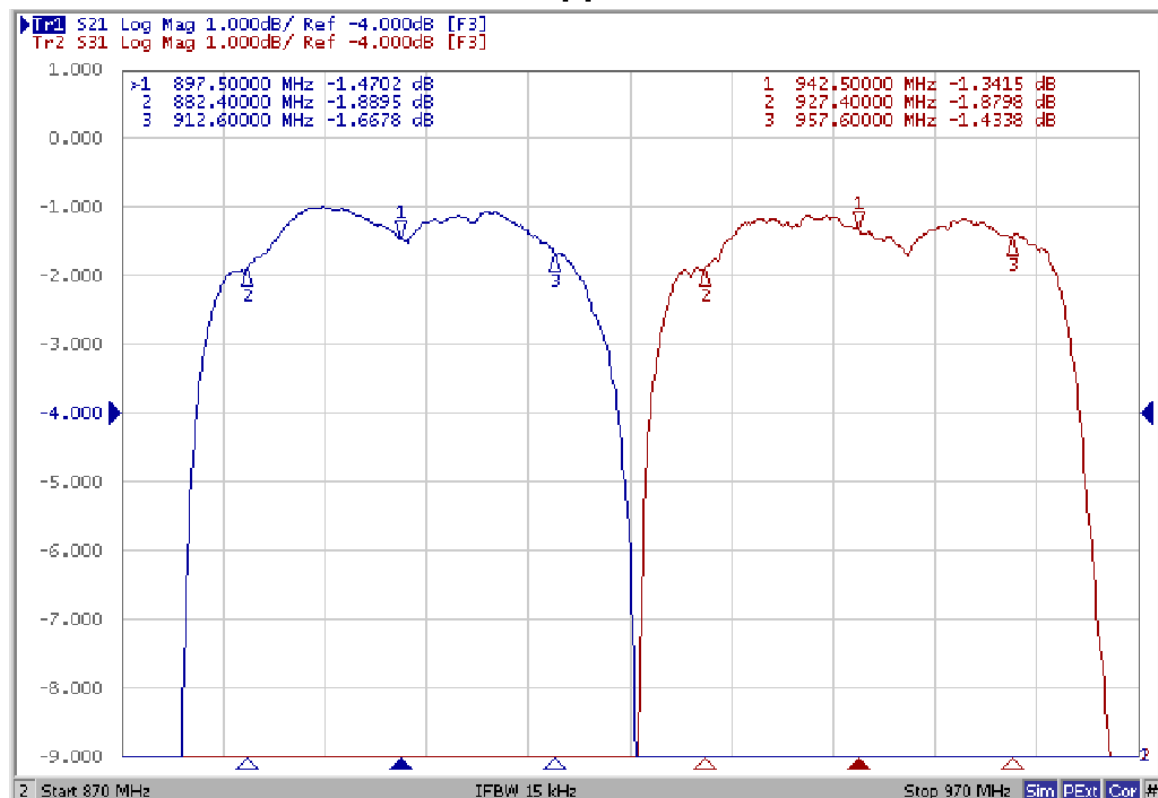




Isolation:

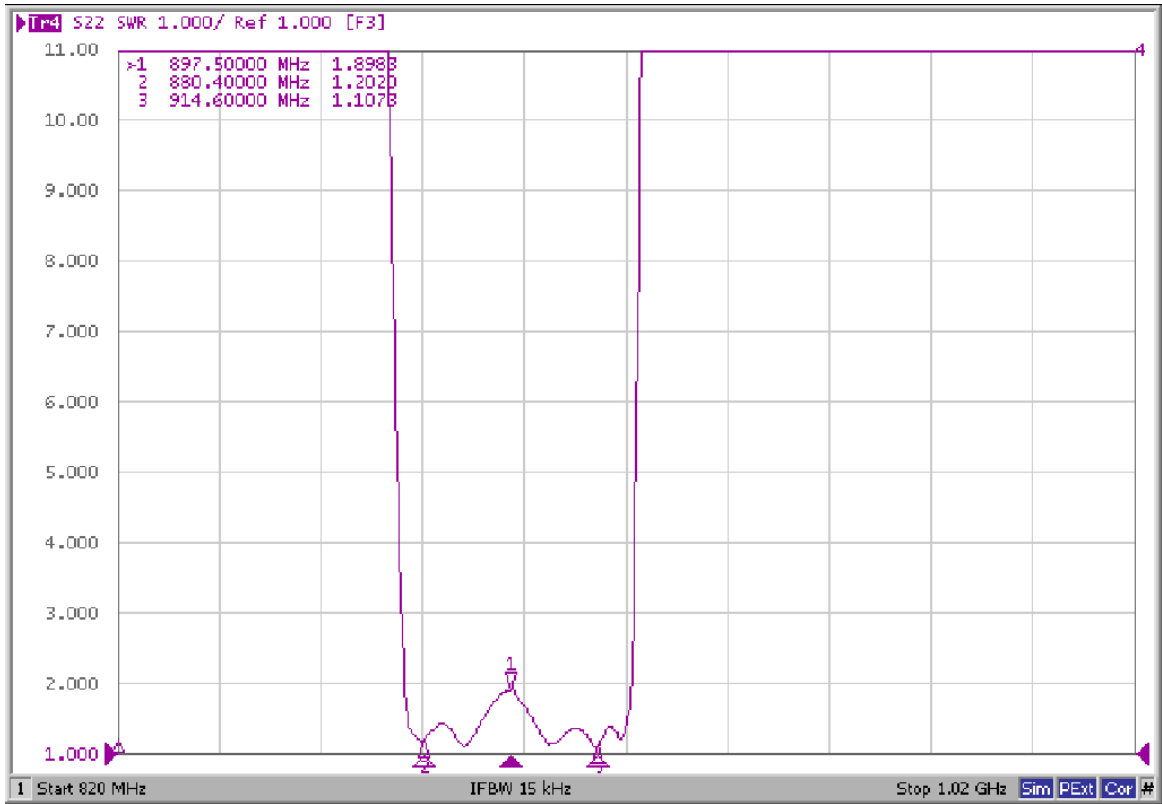


Ripple:

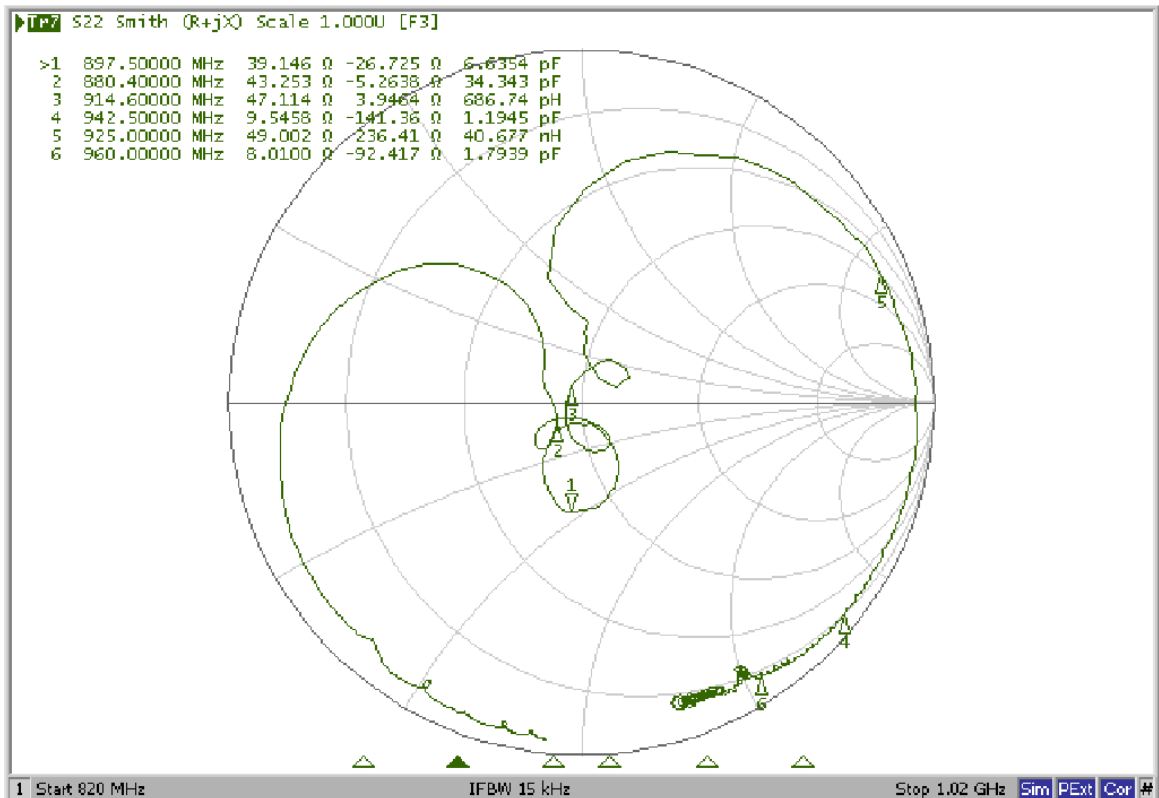




VSWR (Tx Port):

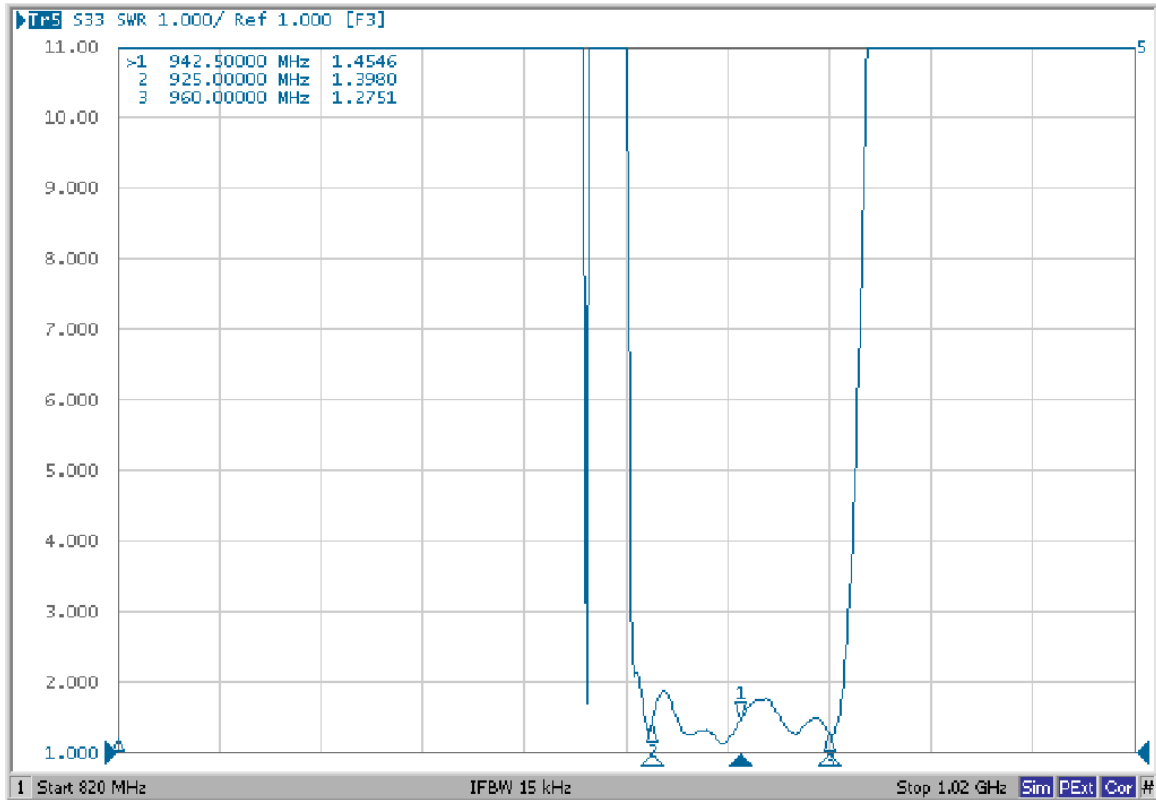


Smith Chart (Tx Port):

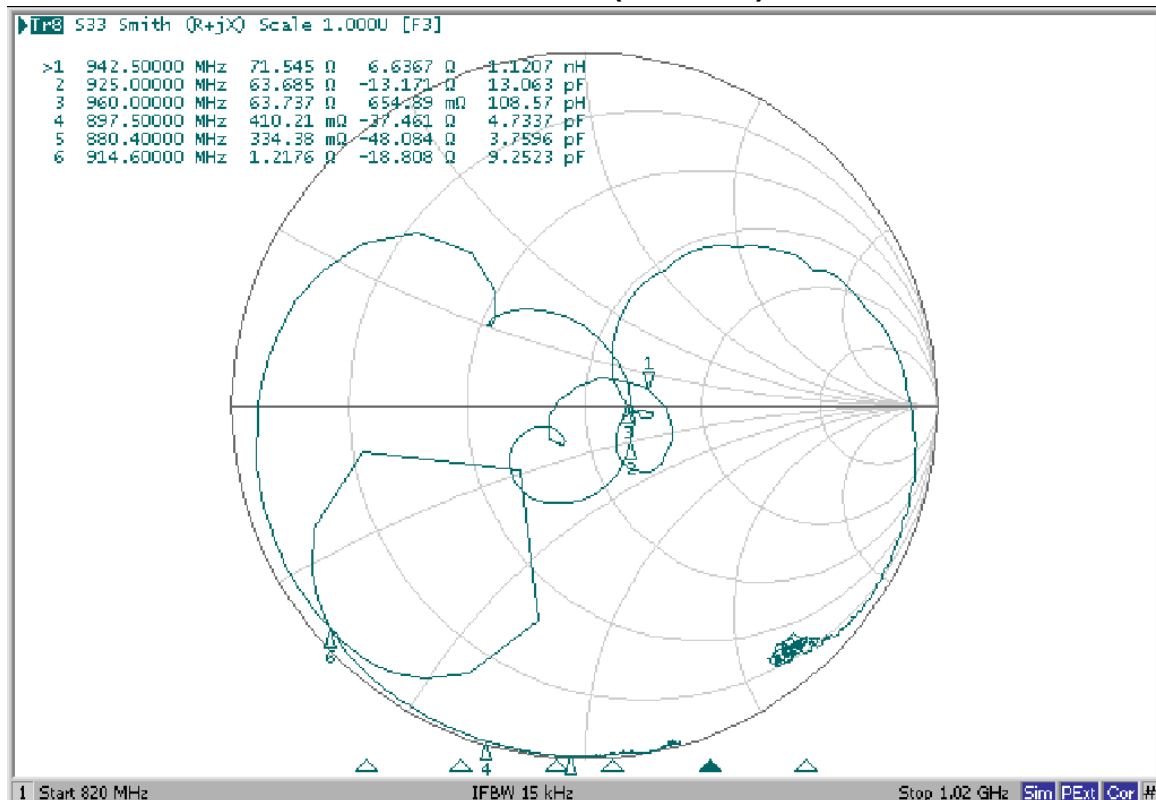




VSWR (Rx Port):

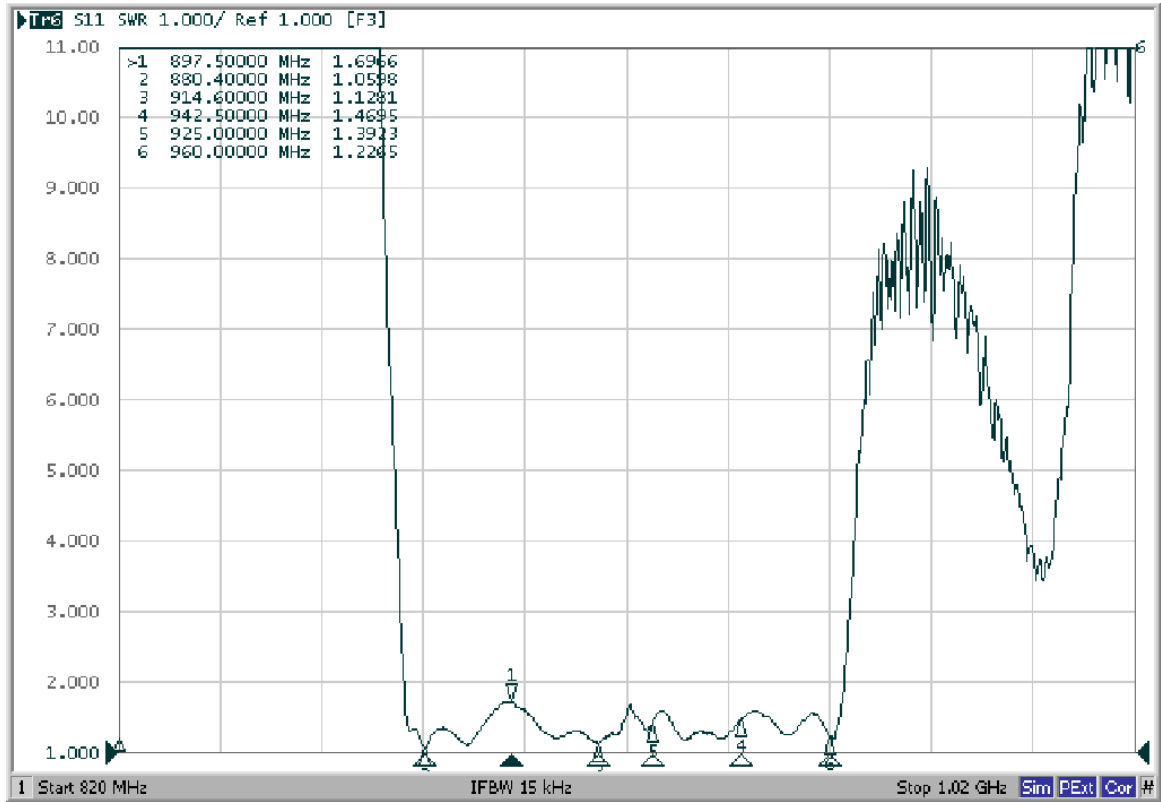


Smith Chart (Rx Port):

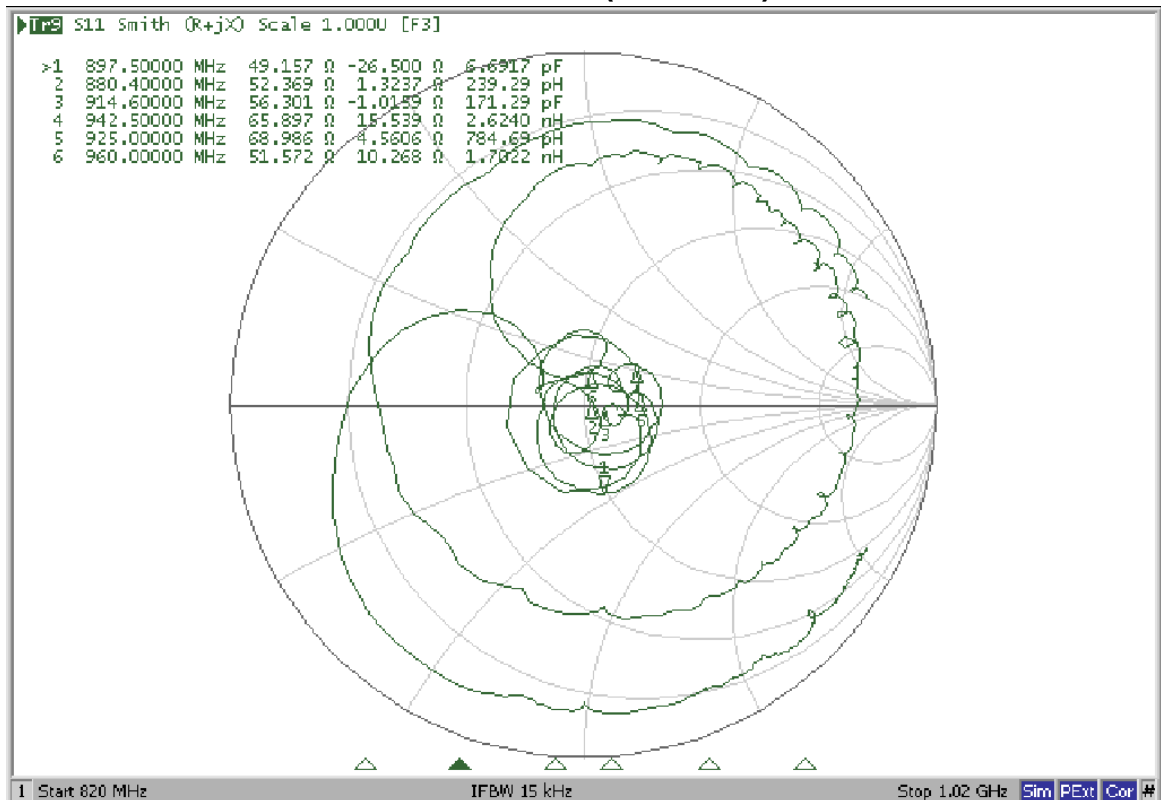




VSWR (Ant Port):

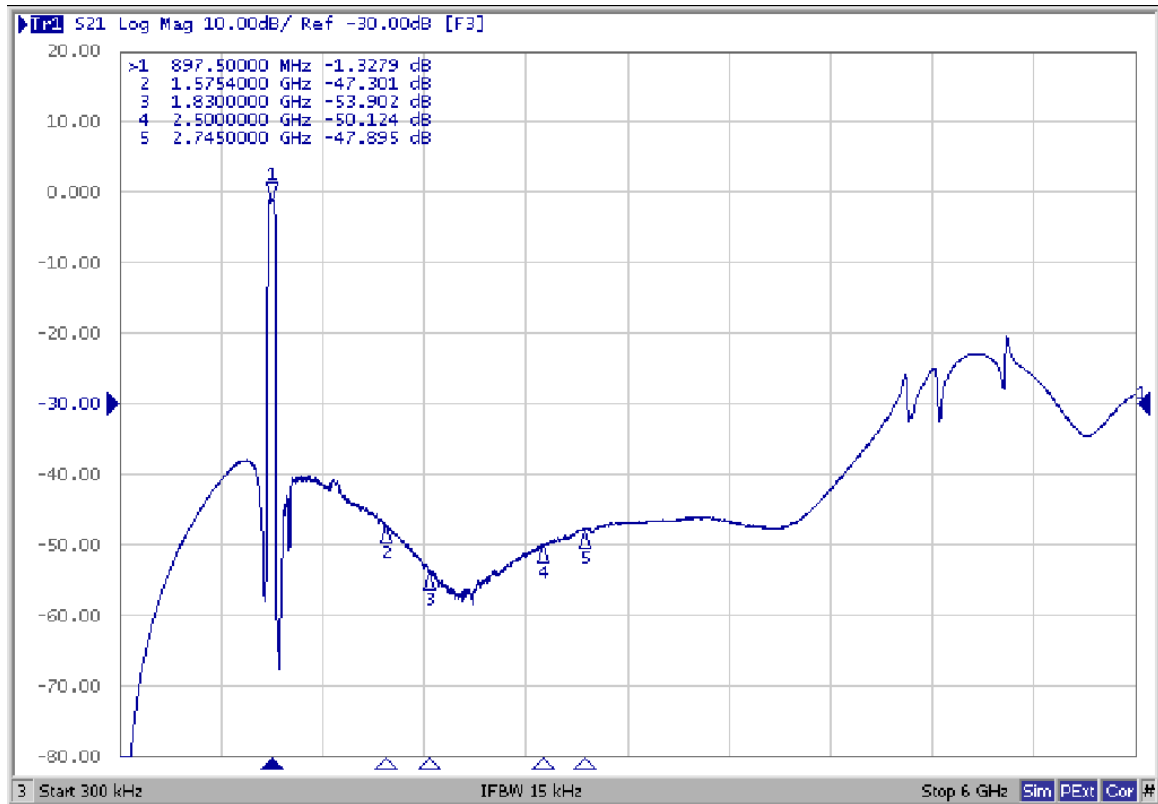


Smith Chart (Ant Port):





Wide Span (Tx):



Wide Span (Rx):

