



Electrical Characteristics:

Uplink → Ant		Specifications			
Parameter	Condition (MHz)	Unit	Minimum	Typical	Maximum
Insertion Loss	832 ~ 862	dB	-	3.0	4.5
VSWR	832 ~ 862	-	-	1.7	2.5
Amplitude Ripple	832 ~ 862	dBp-p	-	1.6	2.5
Absolute Attenuation	791 ~ 821	dB	35	45	-

Ant → Downlink		Specifications			
Parameter	Condition (MHz)	Unit	Minimum	Typical	Maximum
Insertion Loss	791 ~ 821	dB	-	2.0	4.5
VSWR	791 ~ 821	-	-	1.5	2.5
Amplitude Ripple	791 ~ 821	dBp-p	-	1.2	2.5
Absolute Attenuation	832 ~ 862	dB	25	34	-

Rx → Tx		Specifications			
Parameter	Condition (MHz)	Unit	Minimum	Typical	Maximum
Isolation	832 ~862	dB	30	35	-
	791 ~ 821	dB	35	45	-



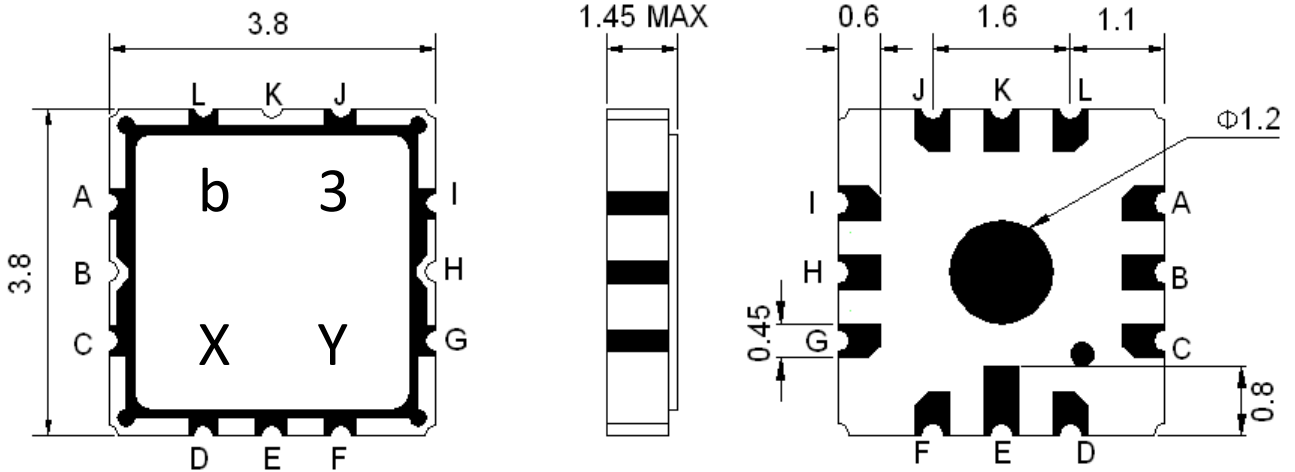
Maximum Ratings:

Parameters Description	Unit	Minimum	Typical	Maximum
Operation Temperature Range	°C	-20	-	+100
Storage Temperature Range	°C	-40	-	+100
Maximum DC Voltage	V	0		
Maximum Input Power	W	1.0 W > 50000 Hours, CW Tone(Ta = +50°C)		
Input/Output Impedance	Ω	50		
Package Size and Type		3.8 x 3.8 x 1.45 mm	S32	

*Note: (1) With Matching Network



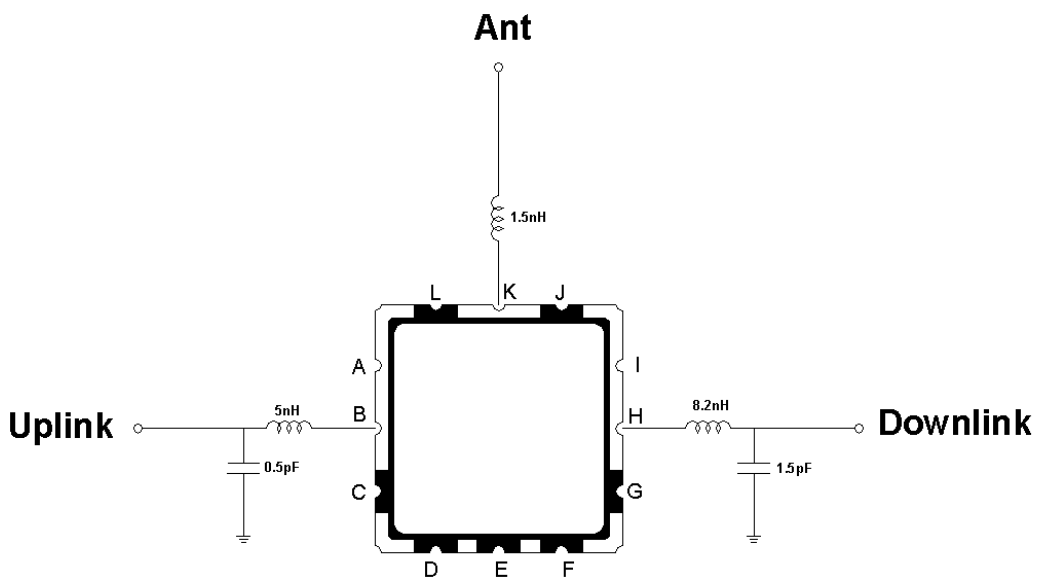
Outline Drawing:



Pin Description	
b	Wireless Application
3	Series Number
X	Date Code (Year)
Y	Date Code (Month)

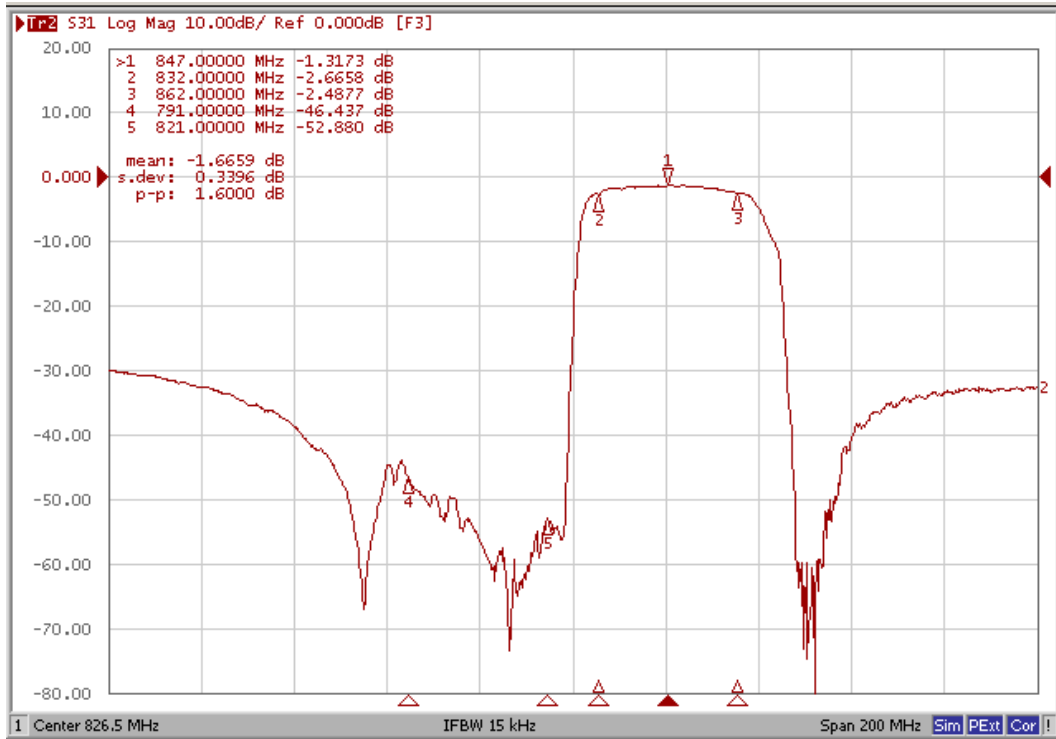
Pin Description	
A C D E F G I J L	Ground
K	Antenna
B	Uplink (847.0 MHz)
H	Downlink (806.0 MHz)

Testing Environment:

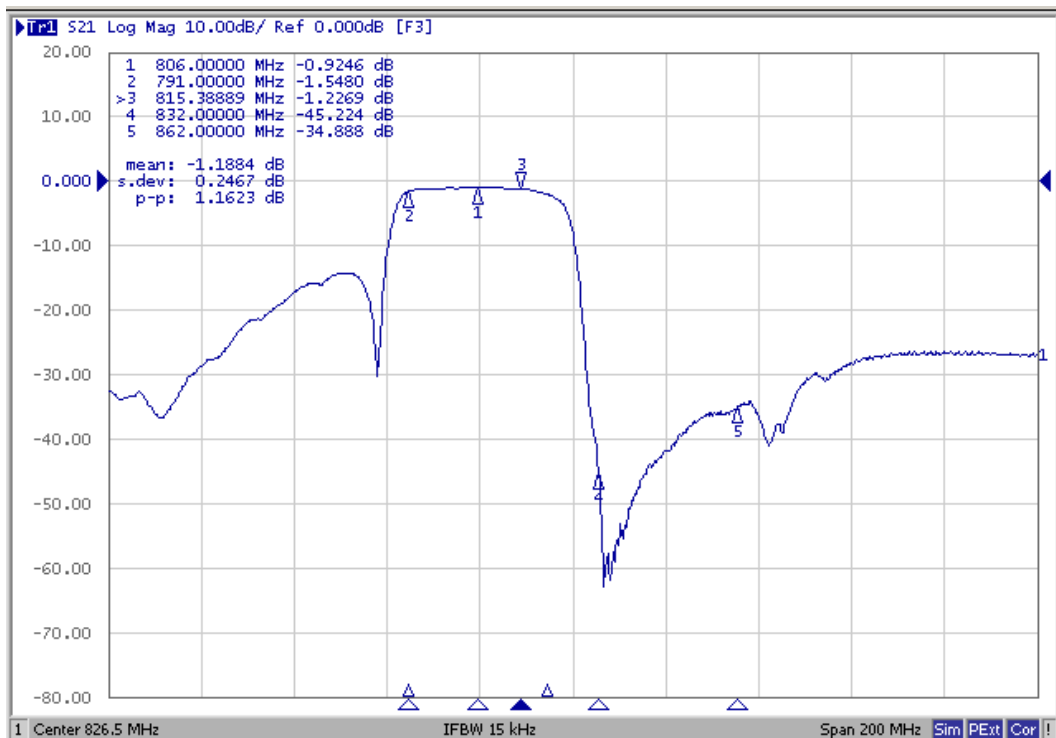




Uplink to Ant:

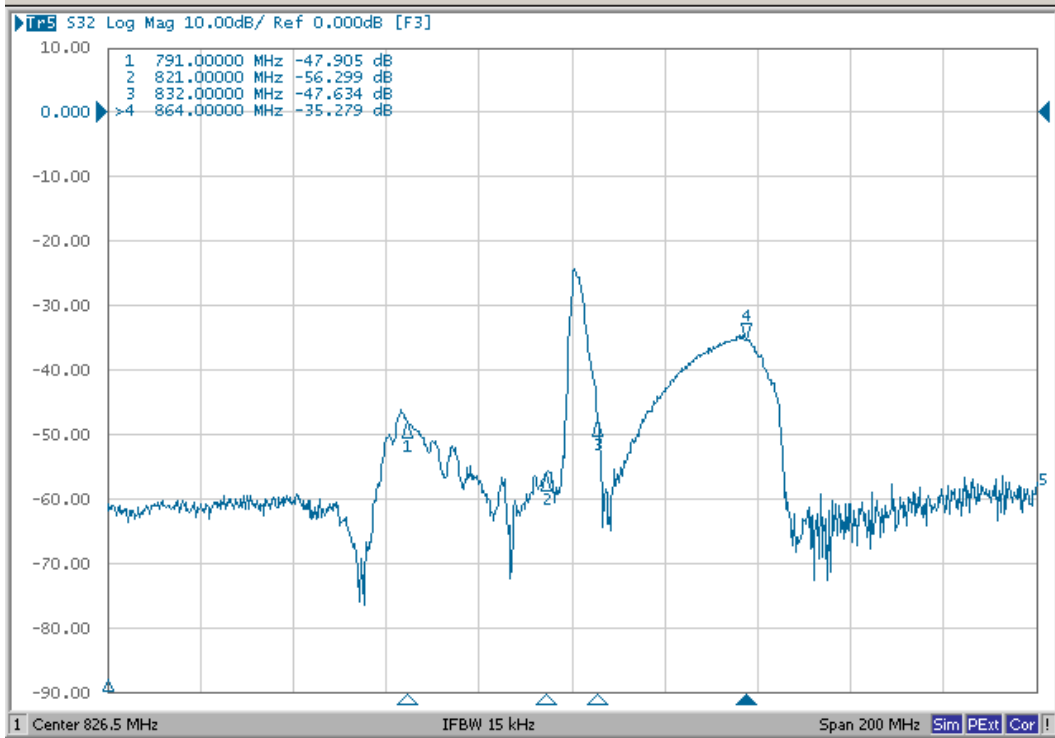


Ant to Downlink:

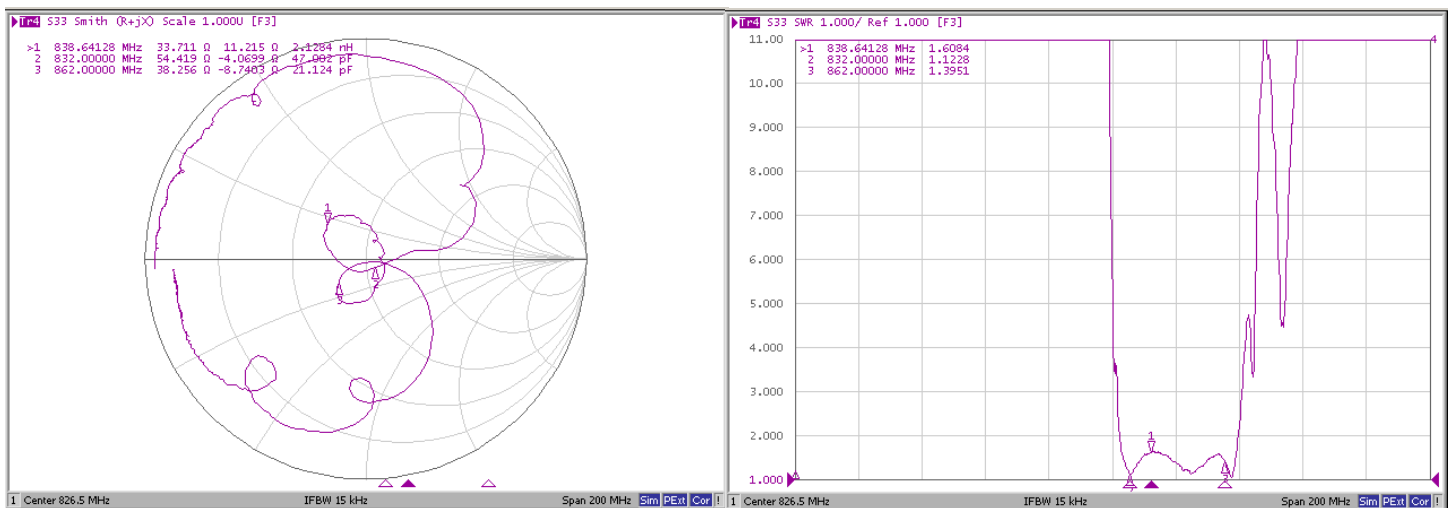




Isolation:

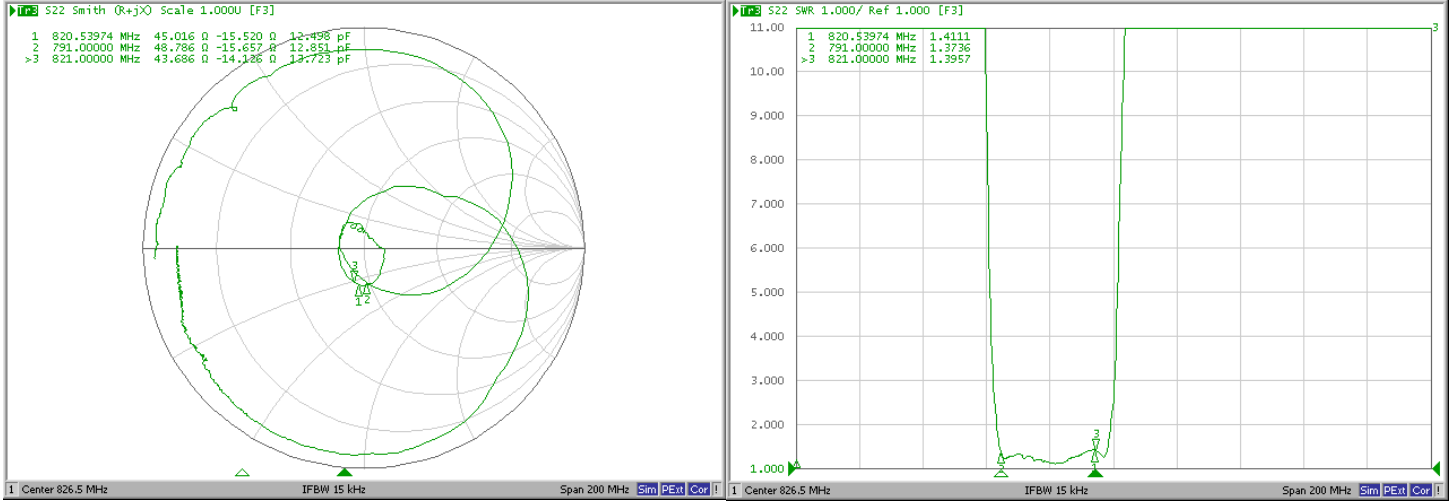


Uplink Smith Chart and VSWR:





Downlink Smith Chart and VSWR:



Antenna Smith Chart and VSWR:

