

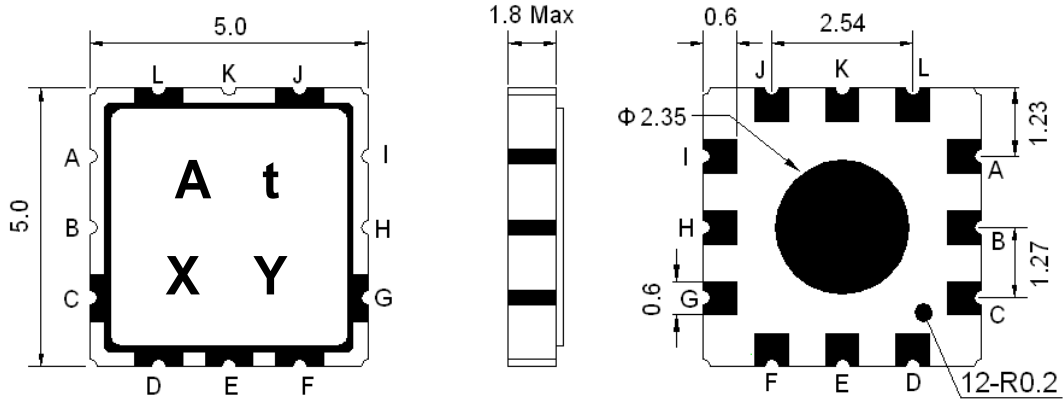
- CDMA450 L-Band, SAW Duplexer
- Revision 0: February 2007

Electrical Characteristics

MAXIMUM RATING				
PARAMETERS DESCRIPTION	UNIT	MINIMUM	TYPICAL	MAXIMUM
Operating Temperature Range	°C	-30	-	+80
Storage Temperature Range	°C	-40	-	+85
Maximum DC Voltage	V	-	0	-
Maximum Input Power	W	1.0 W > 50000 Hours, CW tone (Ta= +50°C)		
Input Impedance	Ω	-	50	-
Output Impedance	Ω	-	50	-
Package type & size	K3			
Length x Width	mm ²	-	5.0 x 5.0	-
Height	mm	-	-	1.8

ELECTRICAL SPECIFICATION					
PARAMETERS	CONDITION [MHZ]	UNIT	MINIMUM	TYPICAL	MAXIMUM
Tx → Ant		Specifications			
Insertion Loss	410.0 ~ 415.0	dB	-	2.3	2.8
VSWR	410.0 ~ 415.0	-	-	1.6	2.1
Absolute Attenuation	0.3 ~ 400.0	dB	25	30	-
	420.0 ~ 425.0	dB	30	50	-
	425.0 ~ 1700.0	dB	20	28	-
	1700.0 ~ 2000.0	dB	17	27	-
Ant → Rx		Specifications			
Insertion Loss	420.0 ~ 425.0	dB	-	2.4	4.3
VSWR	420.0 ~ 425.0	-	-	1.4	2.2
Absolute Attenuation	0.3 ~ 410.0	dB	25	32	-
	410.0 ~ 415.0	dB	35	47	-
	445.0 ~ 600.0	dB	30	38	-
	600.0 ~ 1200.0	dB	25	37	-
	1200.0 ~ 2000.0	dB	23	35	-
Tx → Rx		Specifications			
Isolation	410.0 ~ 415.0	dB	35	48	-
	420.0 ~ 425.0	dB	37	52	-

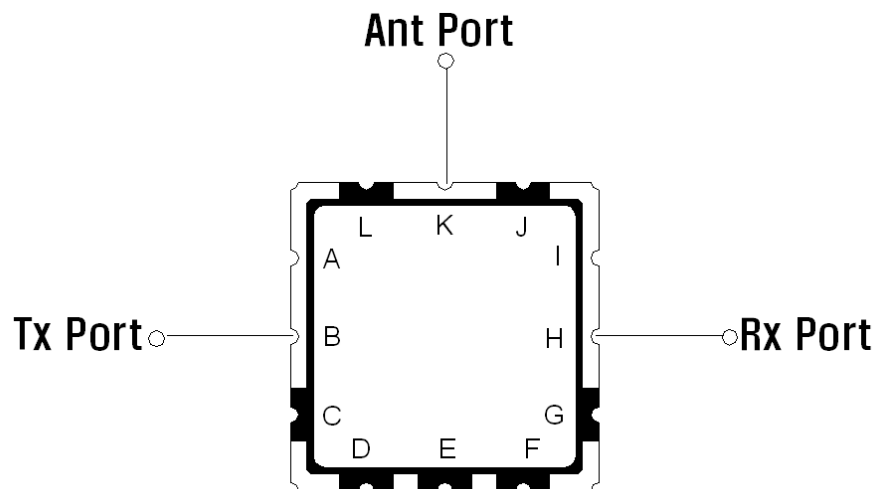
Package Dimensions



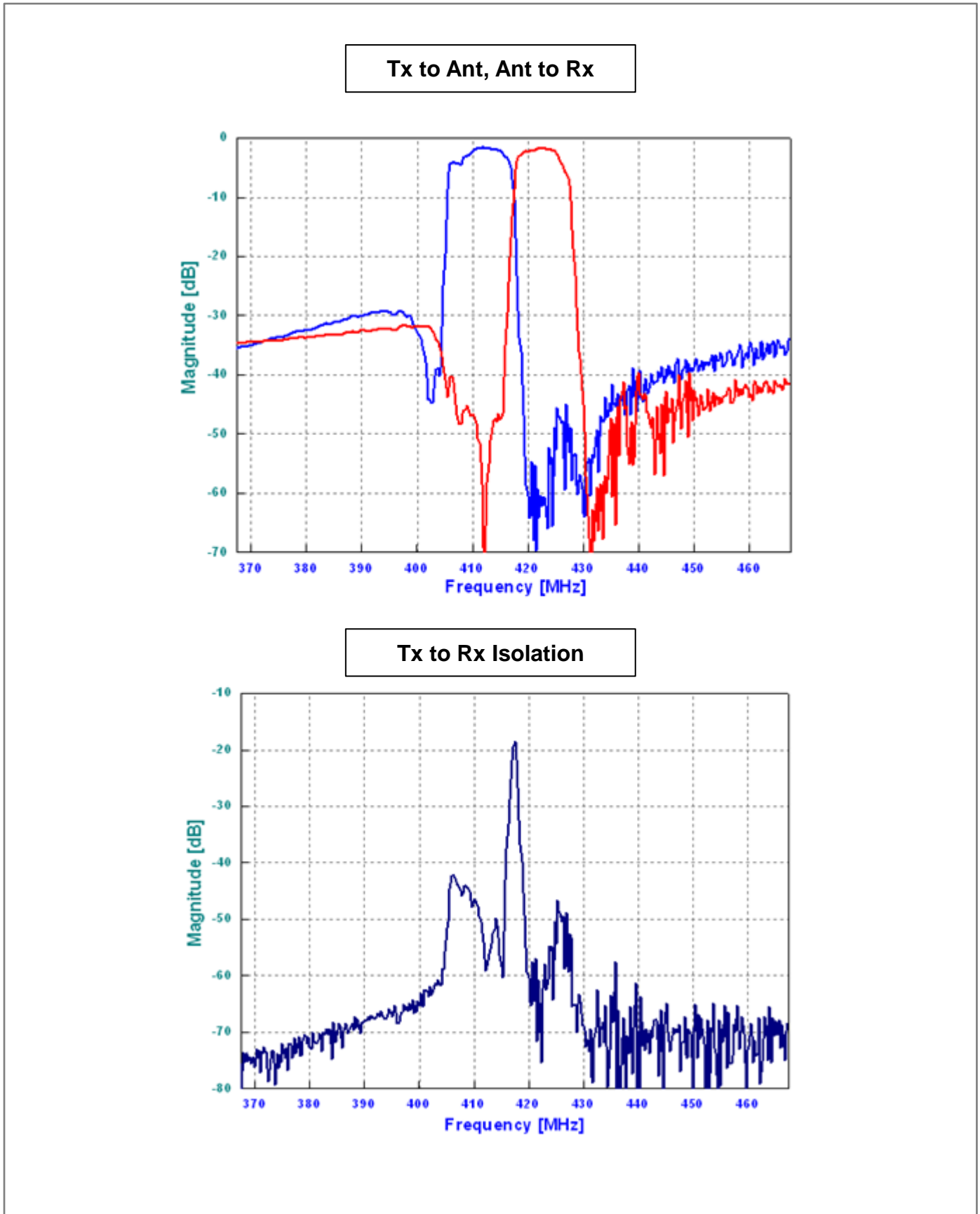
Marking Descriptions	
A	CDMA450 Application
t	Series Number
X	Date Code (Year)
Y	Date Code (Month)

Pin Description	
A, C, D, E, F, G, I, J, L	Ground
H	Receiver
K	Antenna
B	Transmitter

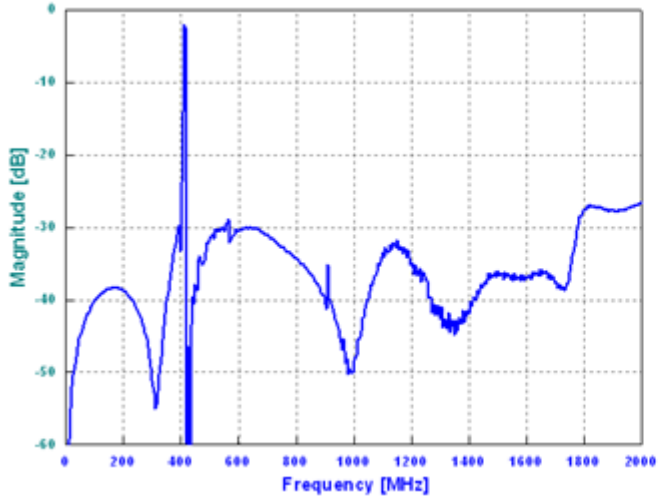
Testing Environment



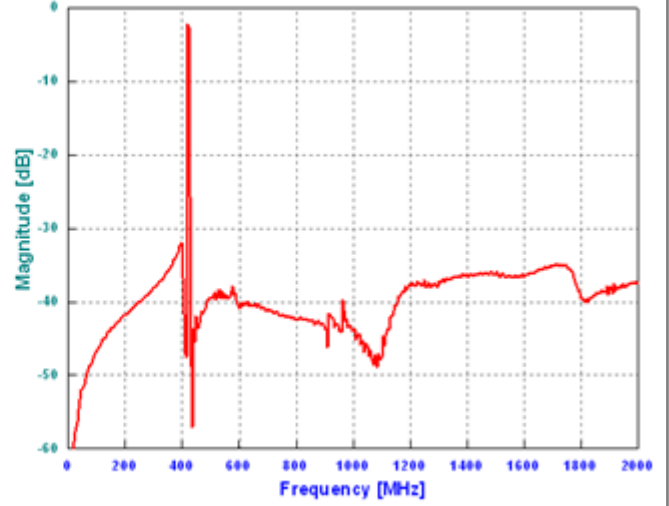
Frequency Characteristics



Tx to Ant

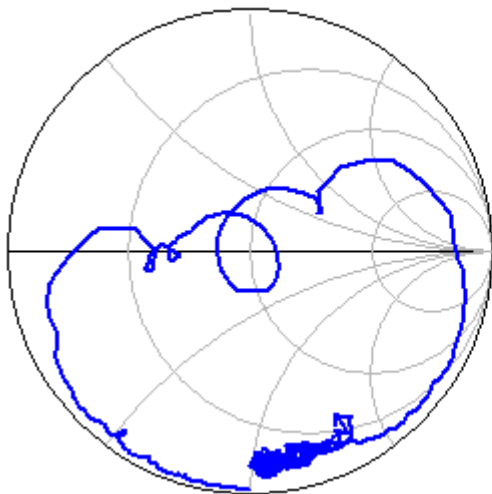


Ant to Rx

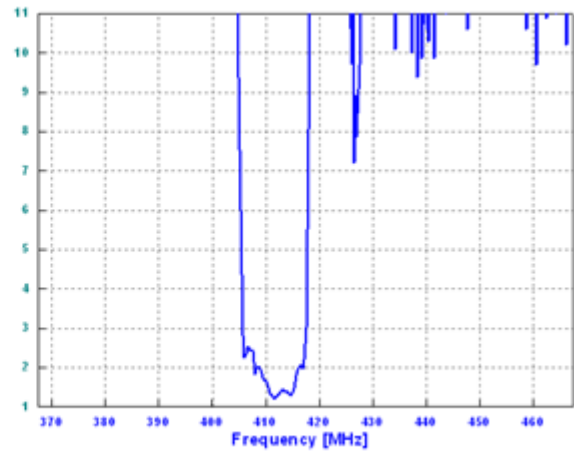


Tx Port

Smith Chart

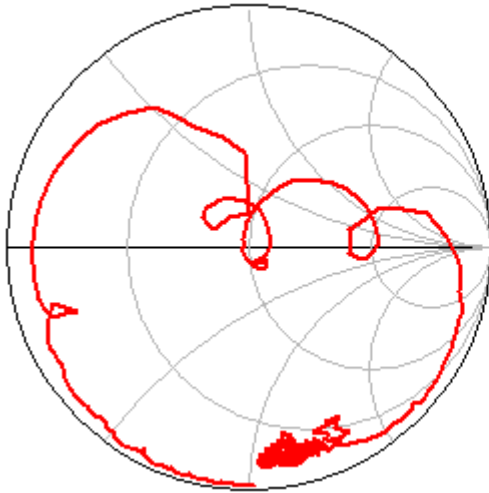


VSWR

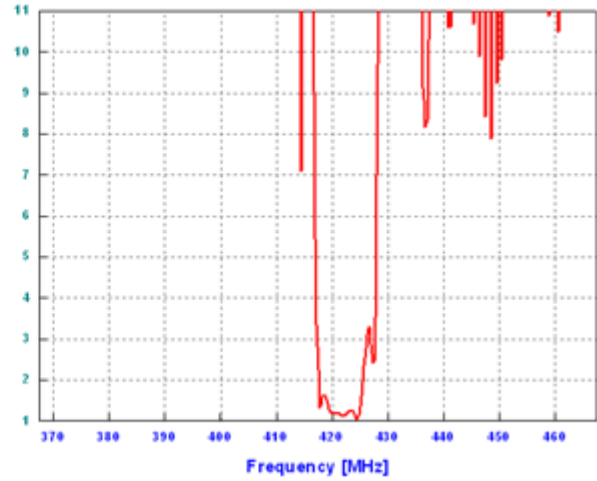


Rx Port

Smith Chart

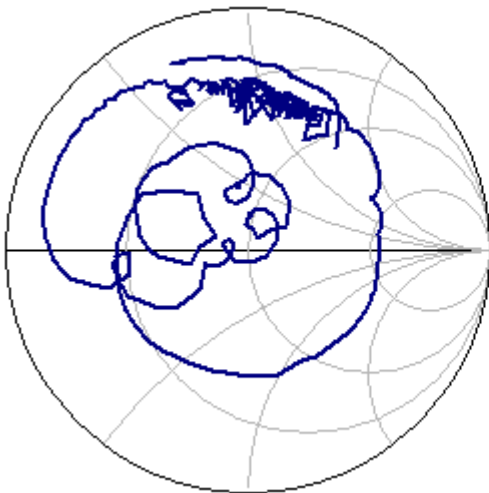


VSWR



Ant Port

Smith Chart



VSWR

