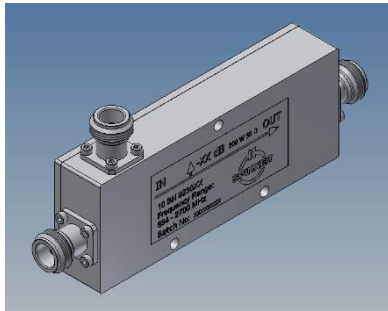
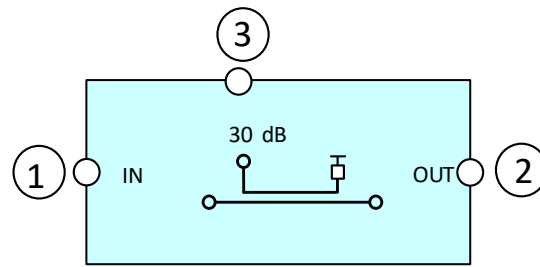


Directional Coupler 4.8dB /6dB /7dB /8dB /10dB /13dB /15dB /20dB /30dB



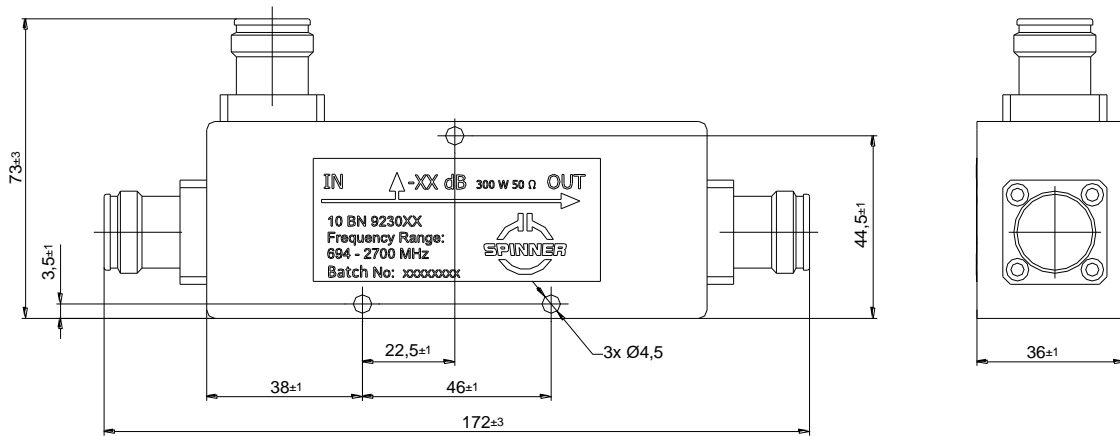
not binding



block diagram
(example:30dB coupler)

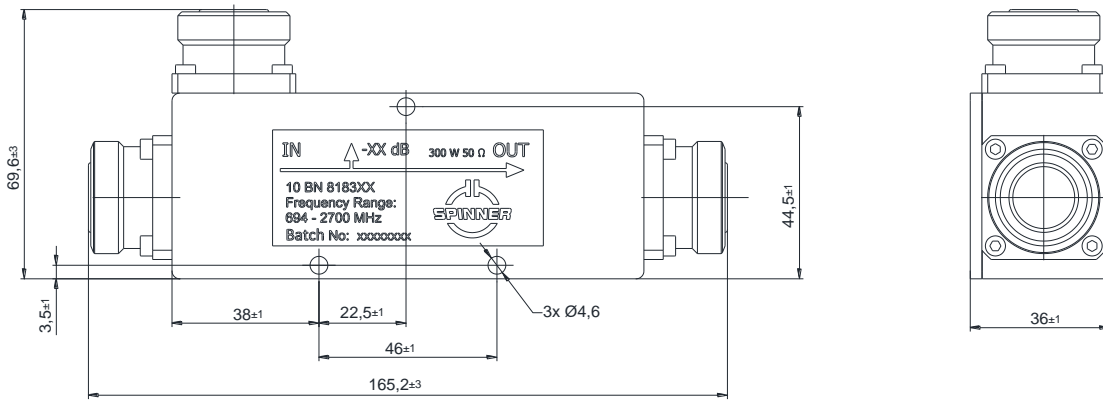
Part number (BN) 4.3 -10 Female (50 Ohms)	923014	923001	923003	923006	923007	923008	923009	923012	923013
Part number (BN) 7-16 Female (50 Ohms)	818355	818356	818357	818362	818358	818366	818359	818360	818361
Part number (BN) N-Female (50 Ohms)	923071	923056	923057	923062	923058	923066	923059	923060	923061
Splitting ratio	1 : 0.33 : 0.67	1 : 0.25 : 0.75	1 : 0.2 : 0.8	1 : 0.16 : 0.84	1 : 0.1 : 0.9	1 : 0.05 : 0.95	1 : 0.03 : 0.97	1 : 0.01 : 0.99	1 : 0.001 : 0.999
Frequency range	694 – 2700 MHz								
Insertion loss	2.1 dB	1.5 dB	1.4 dB	1.3 dB	1.1 dB	0.9dB	0.7 dB	0.5 dB	0.4 dB
Coupling	4.8 dB +1.0/-0.6 dB	6 dB ± 0.8 dB	7 dB ± 0.8 dB	8 dB ± 0.8 dB	10 dB ± 0.8 dB	13 dB ± 0.8 dB	15 dB ± 1.0 dB	20 dB ± 1.0 dB	30 dB ± 1.2 dB
VSWR	≤ 1.25								
Directivity	≥ 20 dB	≥ 20 dB	≥ 20 dB	≥ 20 dB	≥ 20 dB	≥ 20 dB	≥ 20 dB	≥ 20 dB	≥ 15 dB
Power rating	300 W								
IM - value 3rd order @ 2 x 20 W	≤ -155 dBc typical ≤ -160 dBc								
DC-by-pass	Port 1 to Port 2 (max. 1A per input max. 60V DC(AISG Standard, 2.0, § 6.4))								
Degree of protection	IP 65 (Outdoor)								
Environmental conditions	ETSI EN 300019-1-1 Class 1.2 ETSI EN 300019-1-2 Class 2.3 ETSI EN 300019-1-4 Class 4.1E								
Weight	4.3 -10 Female 0.55 kg N Female 0.35 kg 7-16 Female 0.66 kg								
Paint color	Grey								
Wall / Mast mounting	to be ordered separately under BN B26399								
Temperature range	-40 °C – +80 °C								
Dimensions (w x h x d)	See drawing								

Dimensions:



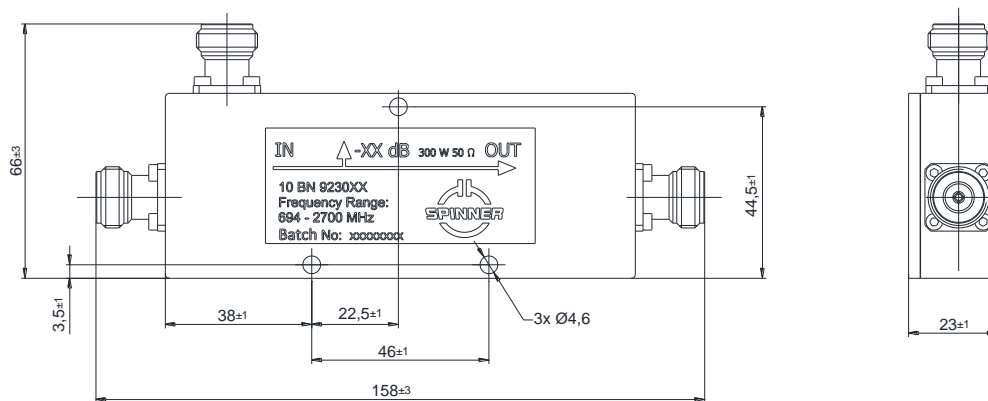
Standard:

4.3-10 female (50 ohms): IEC 61169-54



Standard:

7-16 female (50 ohms): CECC 22190, IEC 61169-4

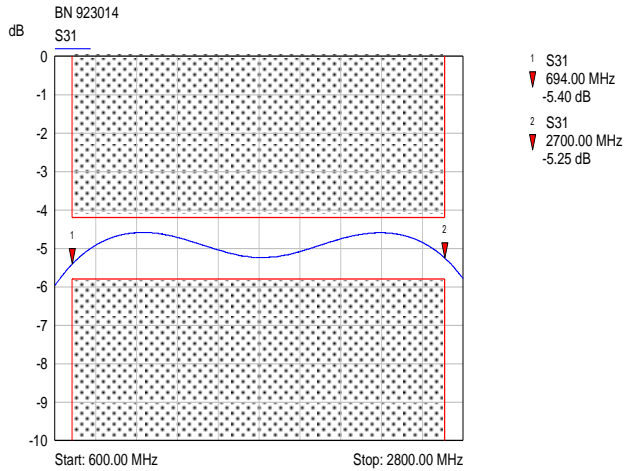


Standard:

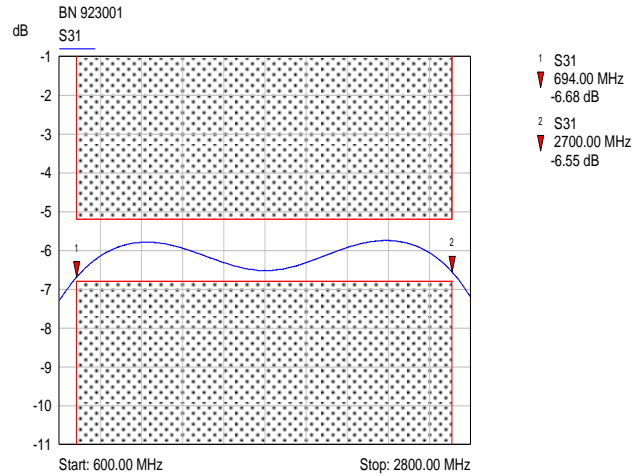
N female (50 ohms): CECC 22210, IEC 61169-16

Measurement:

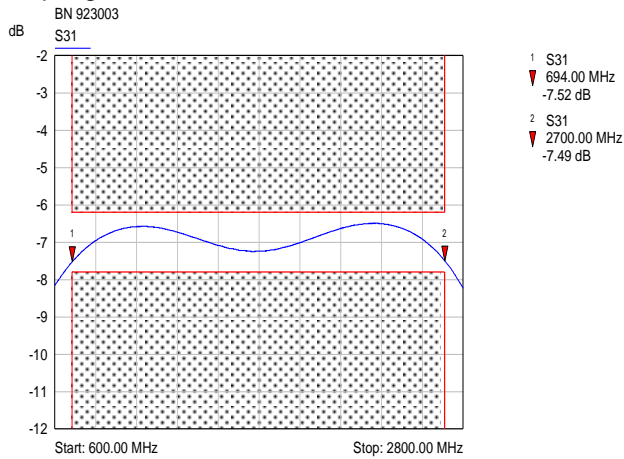
Coupling 4.8 dB:



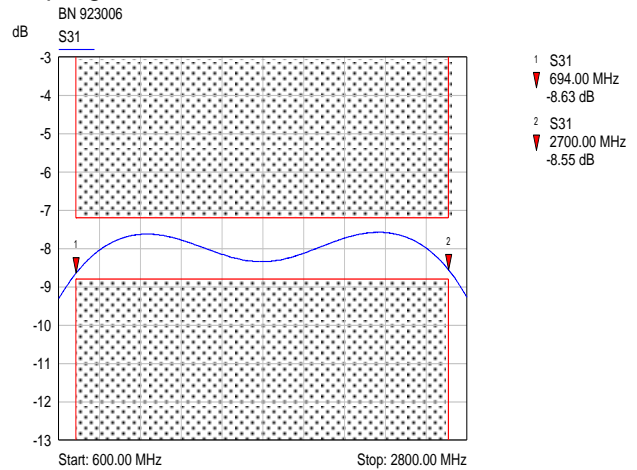
Coupling 6 dB:



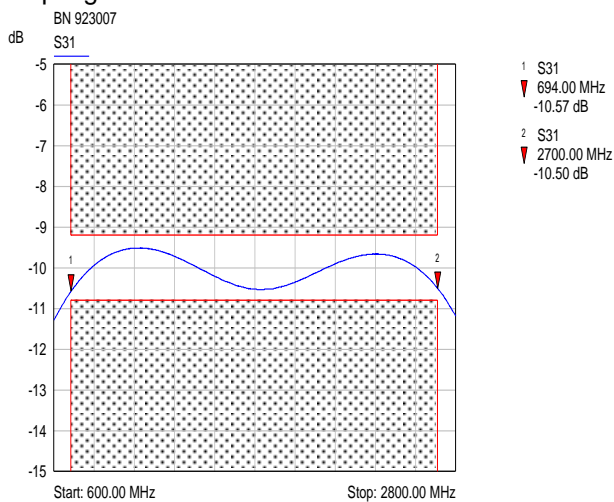
Coupling 7 dB:



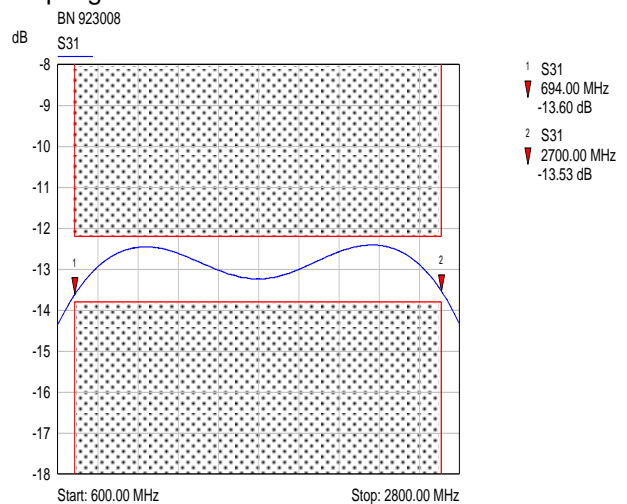
Coupling 8 dB:



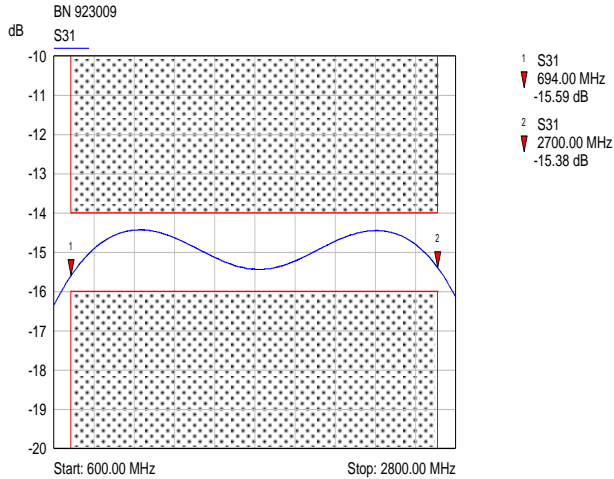
Coupling 10 dB:



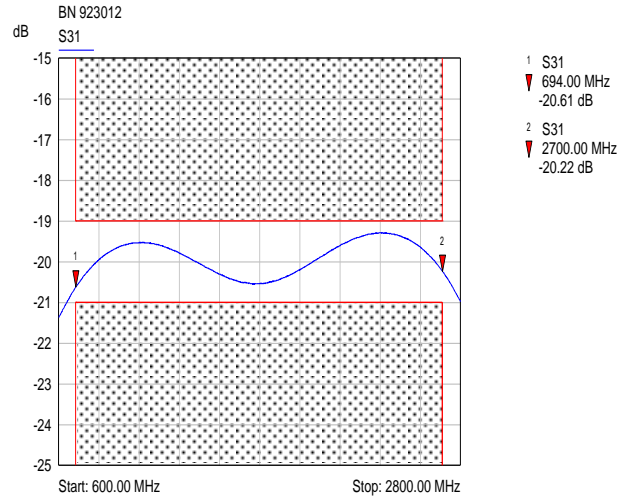
Coupling 13 dB:



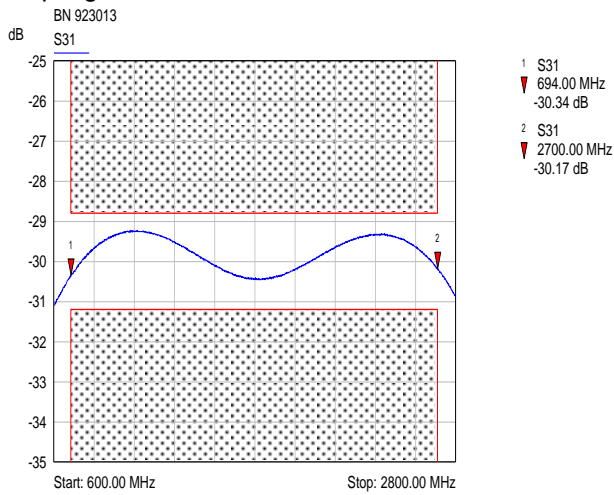
Coupling 15 dB:



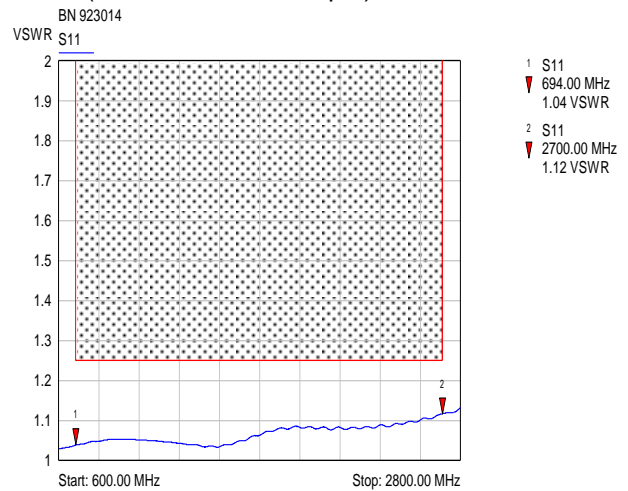
Coupling 20 dB:



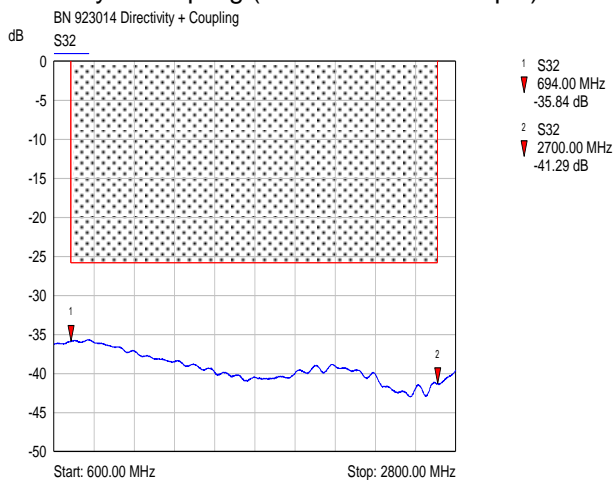
Coupling 30 dB:



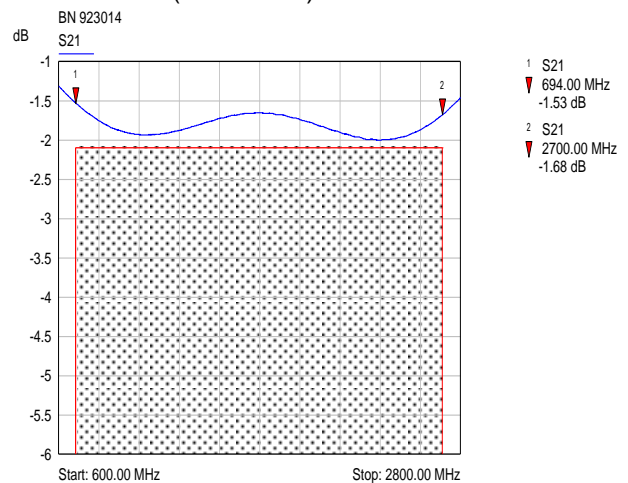
VSWR (BN923014 as example):



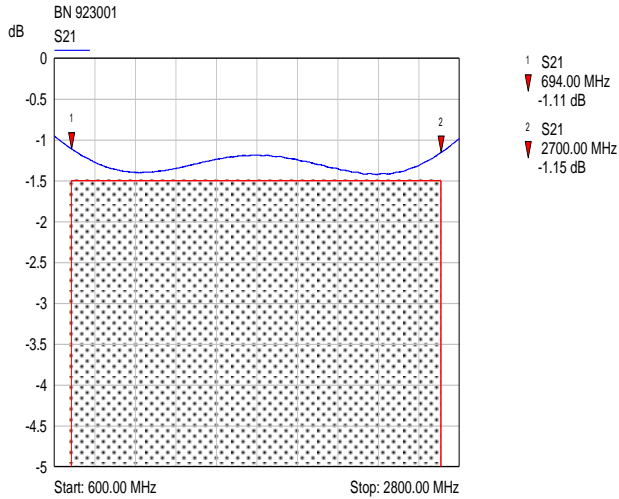
Directivity + Coupling (BN923014 as example):



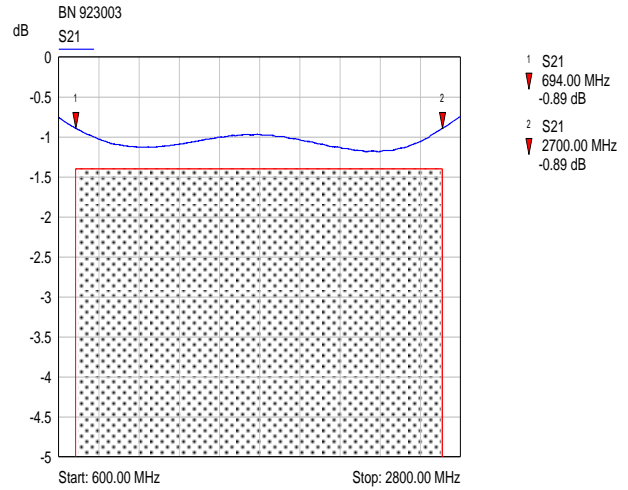
Insertion Loss (BN923014):



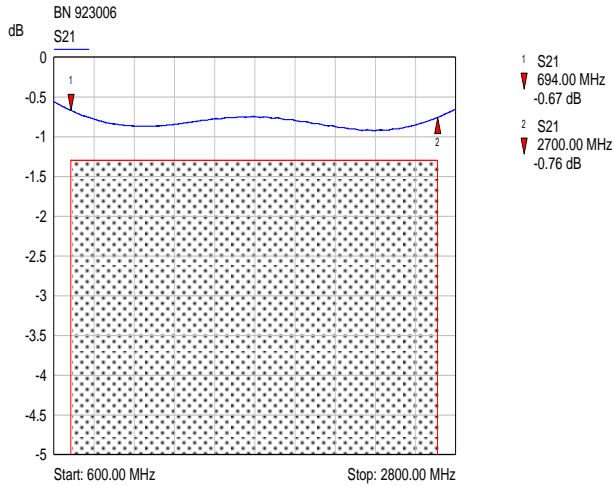
Insertion Loss (BN923001):



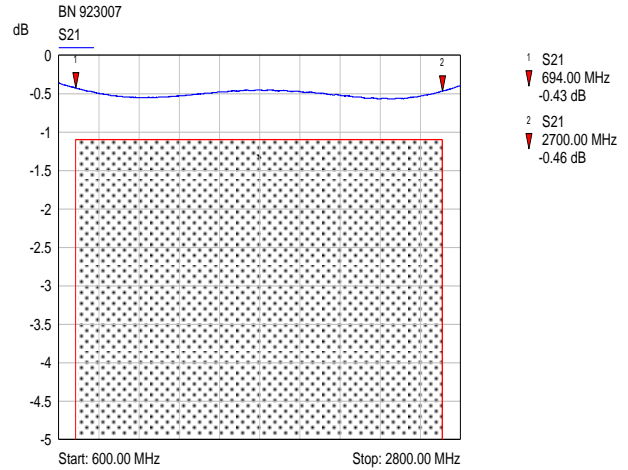
Insertion Loss (BN923003):



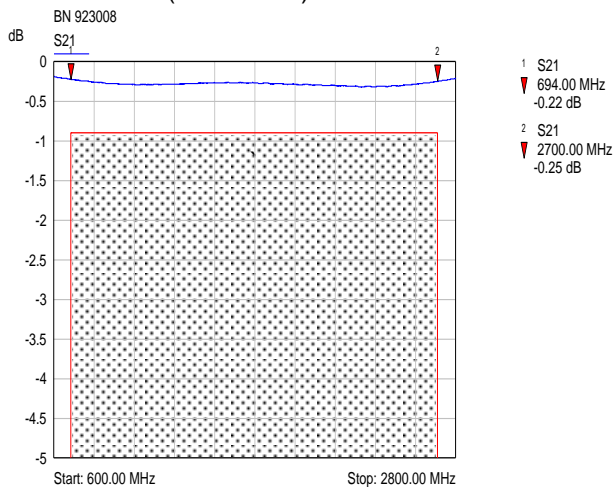
Insertion Loss (BN923006):



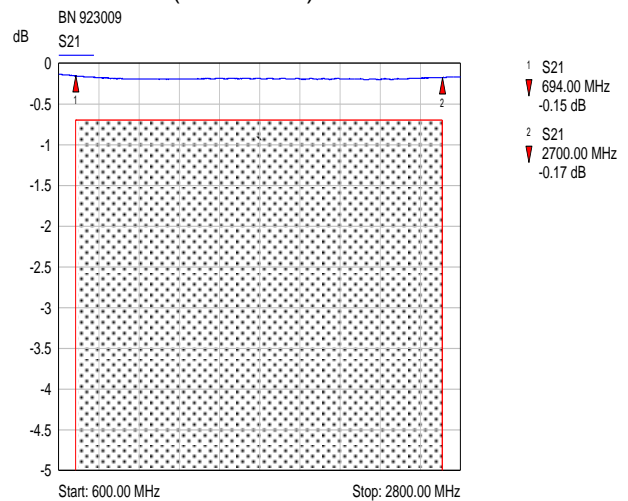
Insertion Loss (BN923007):



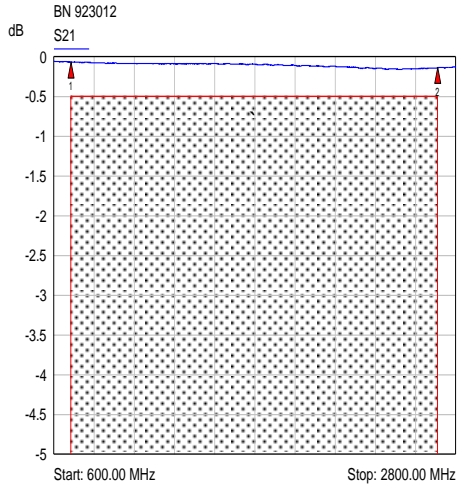
Insertion Loss (BN923008):



Insertion Loss (BN923009):

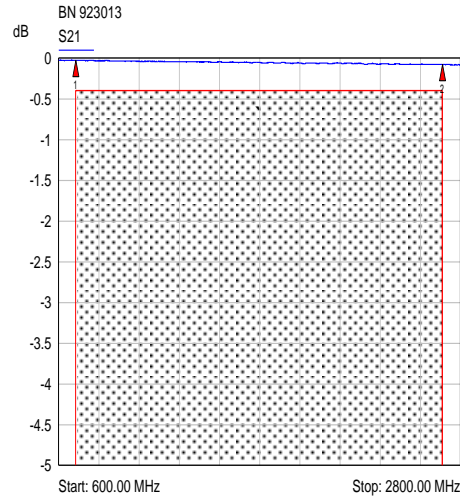


Insertion Loss (BN923012):



- 1 S21
▼ 694.00 MHz
-0.06 dB
- 2 S21
▼ 2700.00 MHz
-0.14 dB

Insertion Loss (BN923013):



- 1 S21
▼ 694.00 MHz
-0.03 dB
- 2 S21
▼ 2700.00 MHz
-0.08 dB