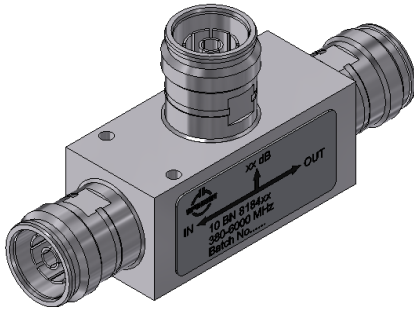
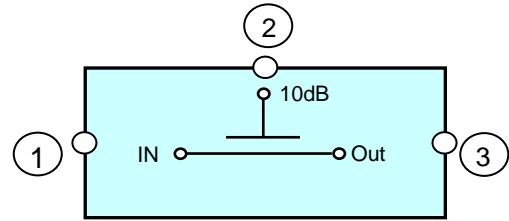


Tapper 4.8dB /6dB /7dB /8dB /9dB /10dB /13dB /15dB /20dB /30dB



Picture not binding



(example:10dB tapper)

Block diagram

**Electrical characteristics**

| Part number  | 818467                               | 818468            | 818469          | 818470            | 818471            | 818472            | 818473            | 818474            | 818475            | 818476              |
|--|--------------------------------------|-------------------|-----------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|---------------------|
| Splitting ratio                                    | 1: 0.33<br>: 0.67                    | 1: 0.25<br>: 0.75 | 1: 0.2<br>: 0.8 | 1: 0.16<br>: 0.84 | 1: 0.11<br>: 0.89 | 1: 0.1<br>: 0.9   | 1: 0.05<br>: 0.95 | 1: 0.03<br>: 0.97 | 1: 0.01<br>: 0.99 | 1: 0.001<br>: 0.999 |
| Frequency range                                    | 380-2700 / 3400-6000 MHz             |                   |                 |                   |                   |                   |                   |                   |                   |                     |
| Insertion loss                                     | ≤ 2.3 dB                             | ≤ 1.7 dB          | ≤ 1.4 dB        | ≤ 1.2 dB          | ≤ 1.0 dB          | ≤ 0.8 dB          | ≤ 0.4 dB          | ≤ 0.3 dB          | ≤ 0.3 dB          | ≤ 0.3 dB            |
| Coupling   | 4.8 dB<br>-1.2/1.7                   | 6 dB<br>-1.4/1.6  | 7 dB<br>±1.2    | 8 dB<br>-1/1.4    | 9 dB<br>-1/1.4    | 10 dB<br>-0.8/1.6 | 13 dB<br>-1.0/1.4 | 15 dB<br>-1.1/1.3 | 20 dB<br>-1.1/1.3 | 30 dB<br>-1.1/1.3   |
| VSWR (Port 1)                                      | ≤ 1.3                                |                   |                 |                   |                   |                   |                   |                   |                   |                     |
| Return Loss Port 3*                                | ≤ -5 dB                              | ≤ -8 dB           | ≤ -10 dB        | ≤ -12 dB          | ≤ -13 dB          | ≤ -18 dB          | ≤ -18 dB          | ≤ -20 dB          | ≤ -20 dB          | ≤ -20 dB            |
| Impedance  | 50 Ohms                              |                   |                 |                   |                   |                   |                   |                   |                   |                     |
| Power rating<br>Average power (CW)                 | ≤ 500 W (Port 1)<br>≤ 100 W (Port 3) |                   |                 |                   |                   |                   |                   |                   |                   |                     |
| Passive intermodulation (IM3), 3rd order @ 2 x 20W | -160 dBc max. @ 698-2700MHz          |                   |                 |                   |                   |                   |                   |                   |                   |                     |

\* According to DIN 14024-1

**Mechanical characteristics**

|                      |   |
|----------------------|---|
| Connectors           | 4.3-10 female   |
| Dimensions, approx.  | 98 mm x 45.5 mm x 25 mm (Width x Height x Depth) (without mounting kit) |
| Weight, approx.      | 0.2 kg  |
| Wall / Mast mounting | to be ordered separately under BN B30578 (optional)                     |

**Environmental conditions**

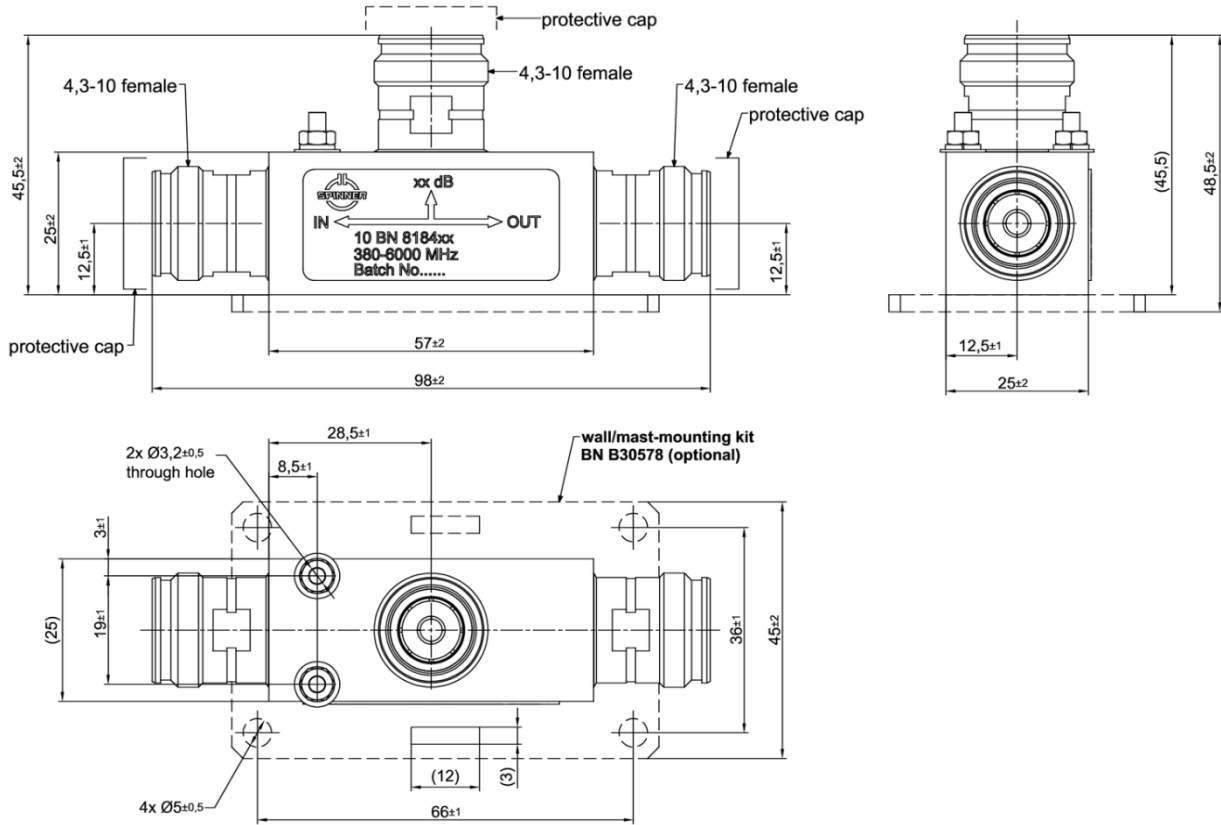
|                                     |   |
|-------------------------------------|---|
| Class. of environmental conditions  | ETSI EN 300019-1-1 Class 1.2<br>ETSI EN 300019-1-2 Class 2.3<br>ETSI EN 300019-1-4 Class 4.1E |
| Degree of protection                | IP 65 (Outdoor)   |
| Operation Ambient temperature range | -30 °C to +65 °C  |
| Storage Ambient temperature range   | -40 °C to +80 °C  |
| Relative humidity, max.             | 95% (non-condensing)  |

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Tapper 4.8dB /6dB /7dB /8dB /9dB /10dB /13dB /15dB /20dB /30dB

**Outline** (all dimensions in millimeter)



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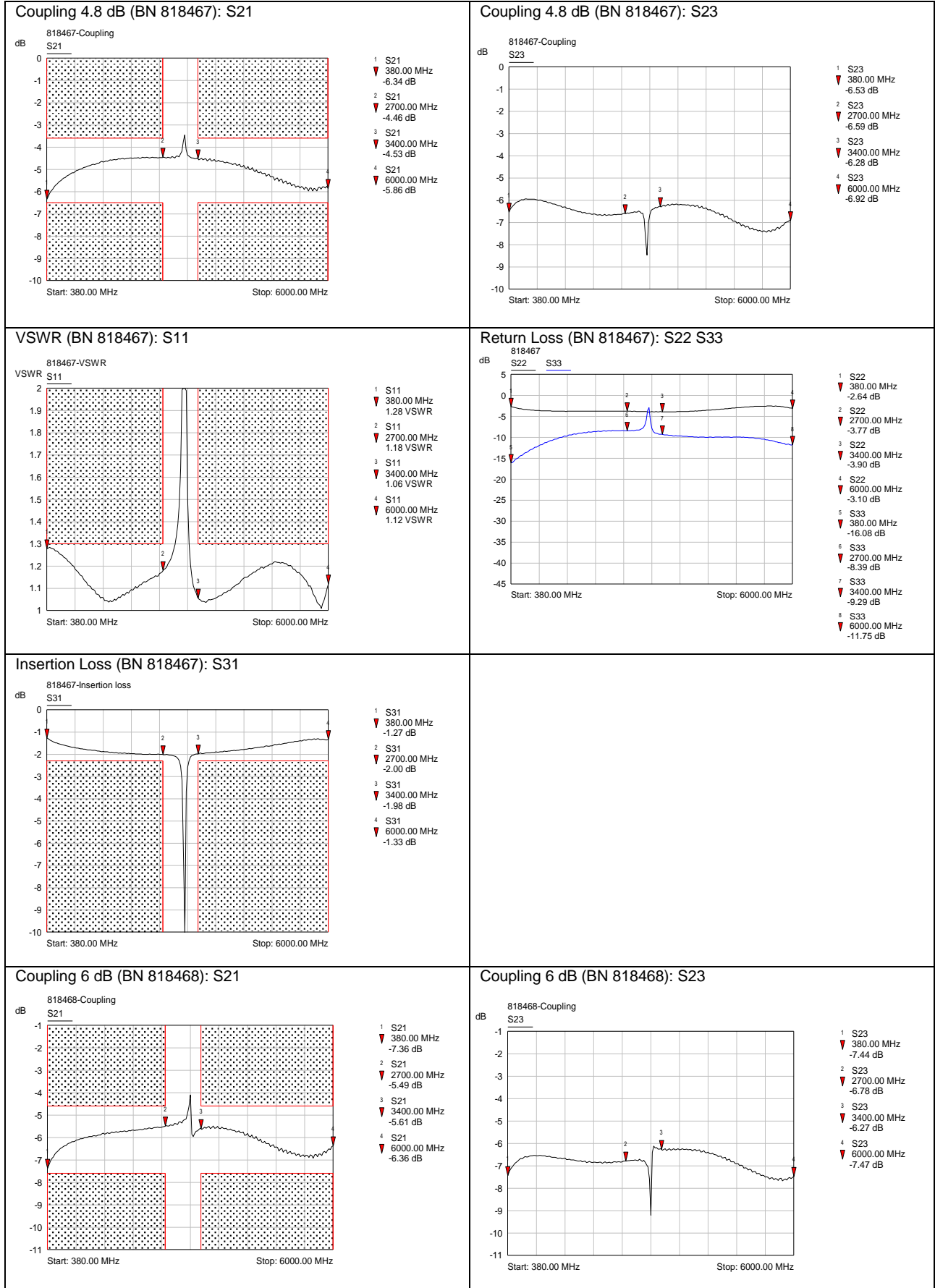
**Standard:**

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

modifications reserved!

Tapper 4.8dB /6dB /7dB /8dB /9dB /10dB /13dB /15dB /20dB /30dB

Measurement:



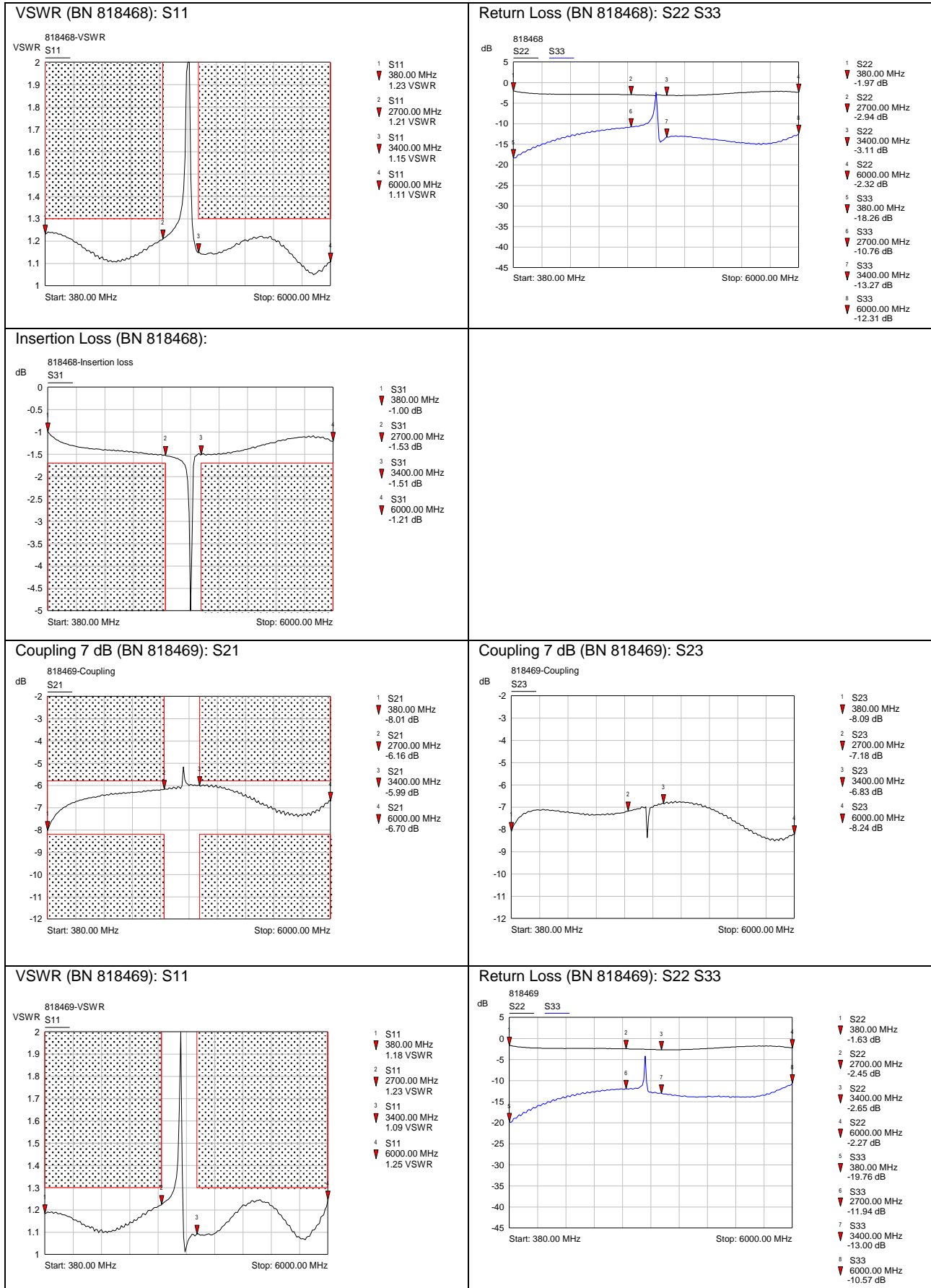
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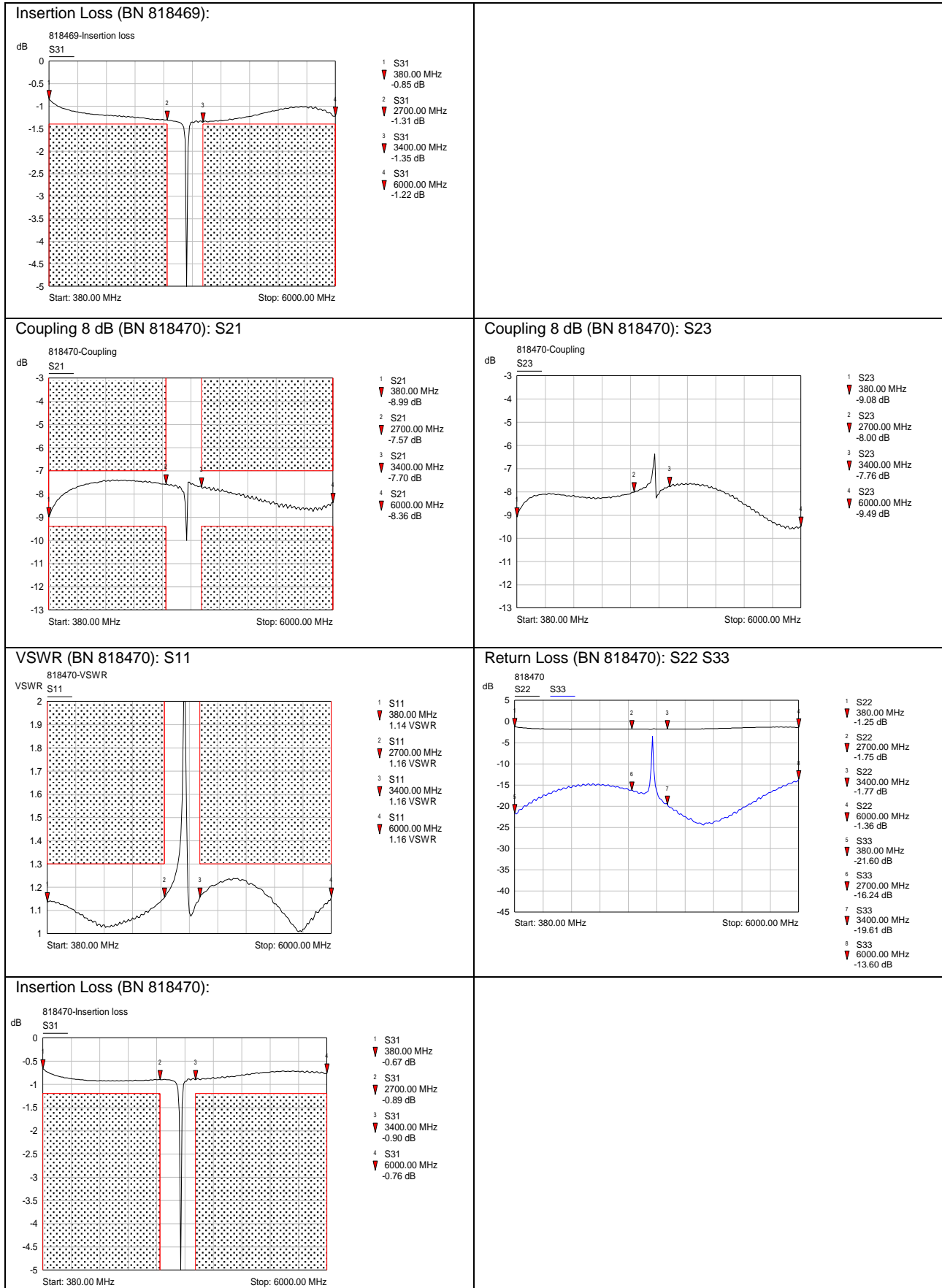
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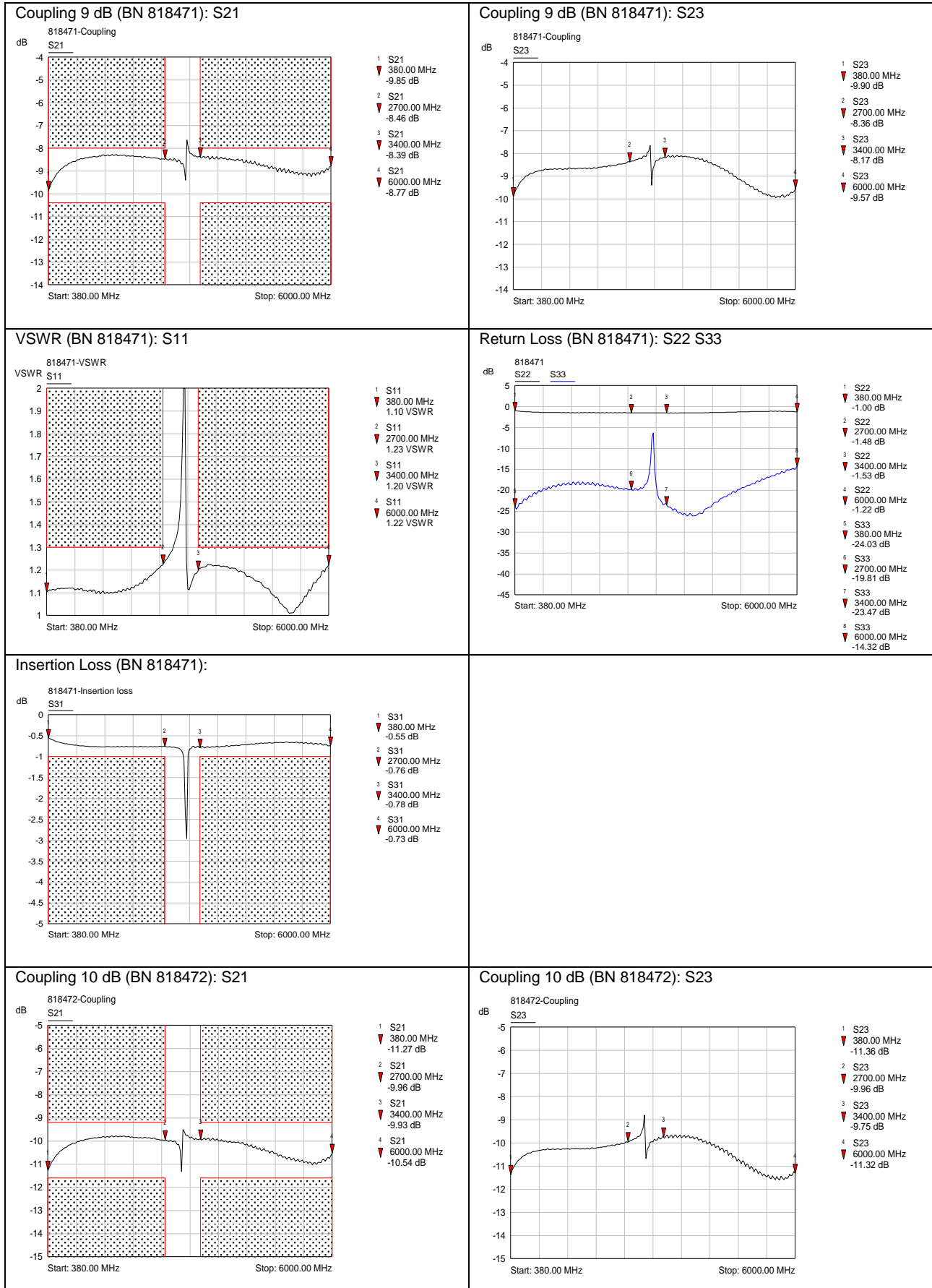
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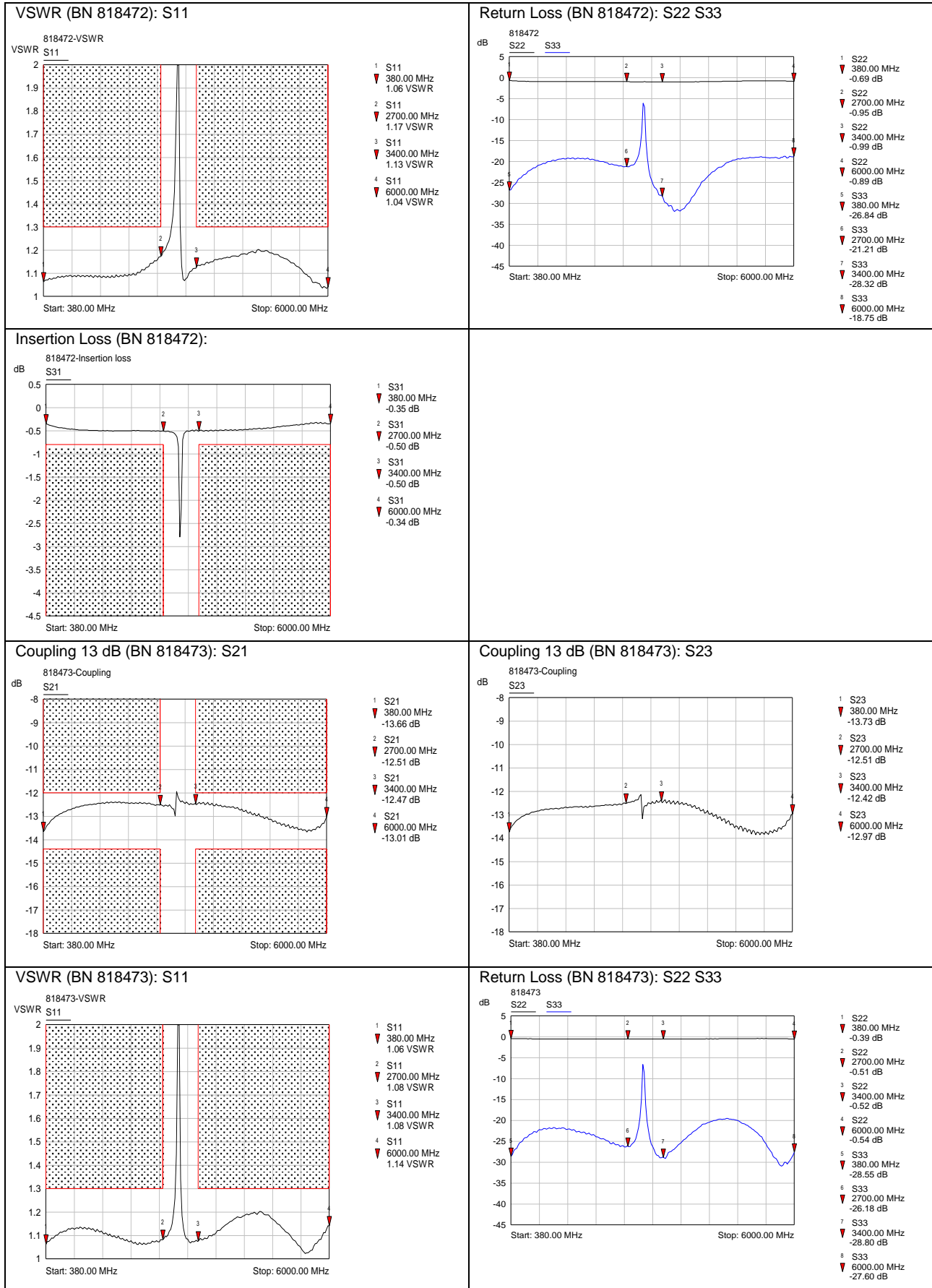
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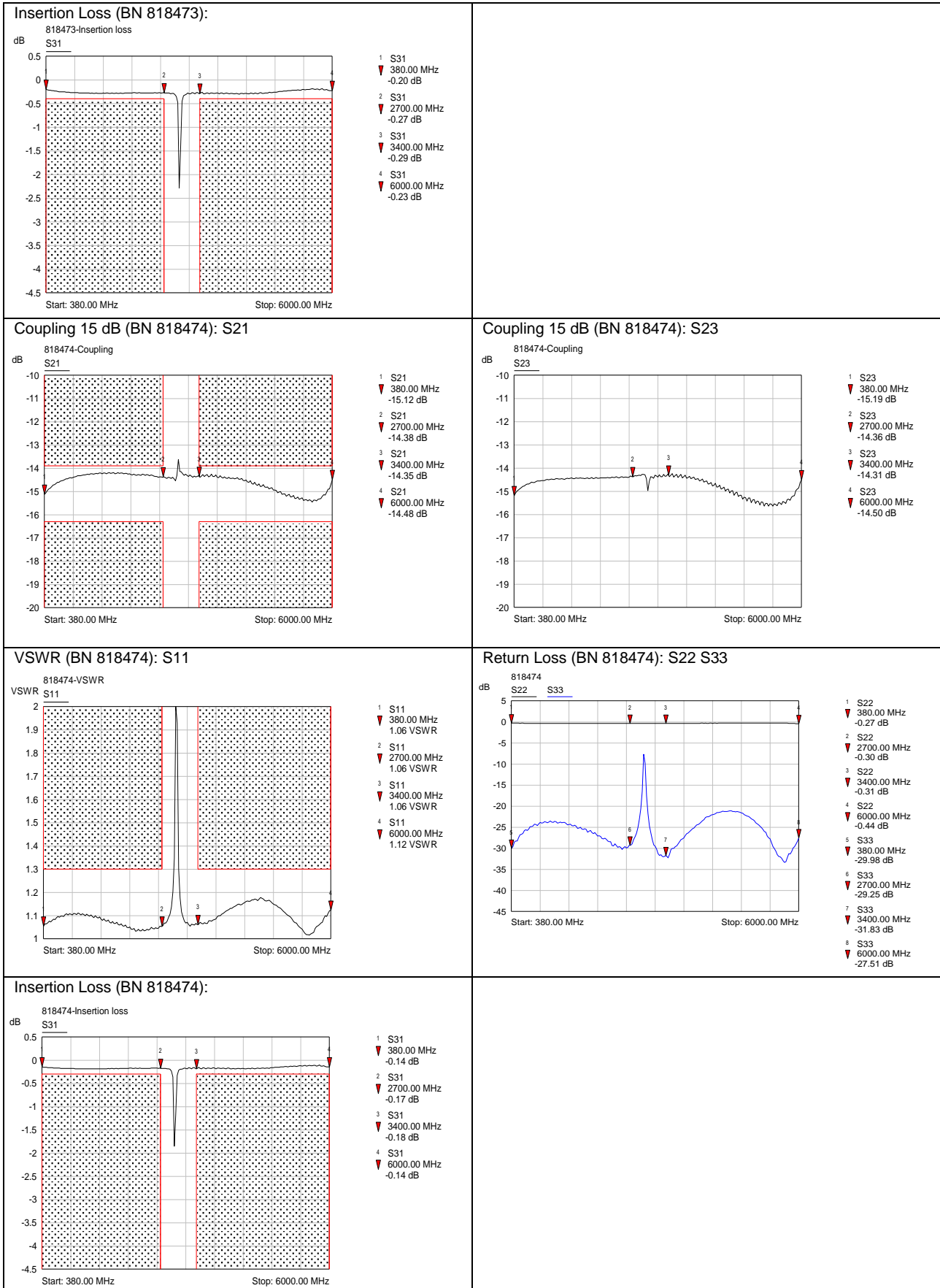
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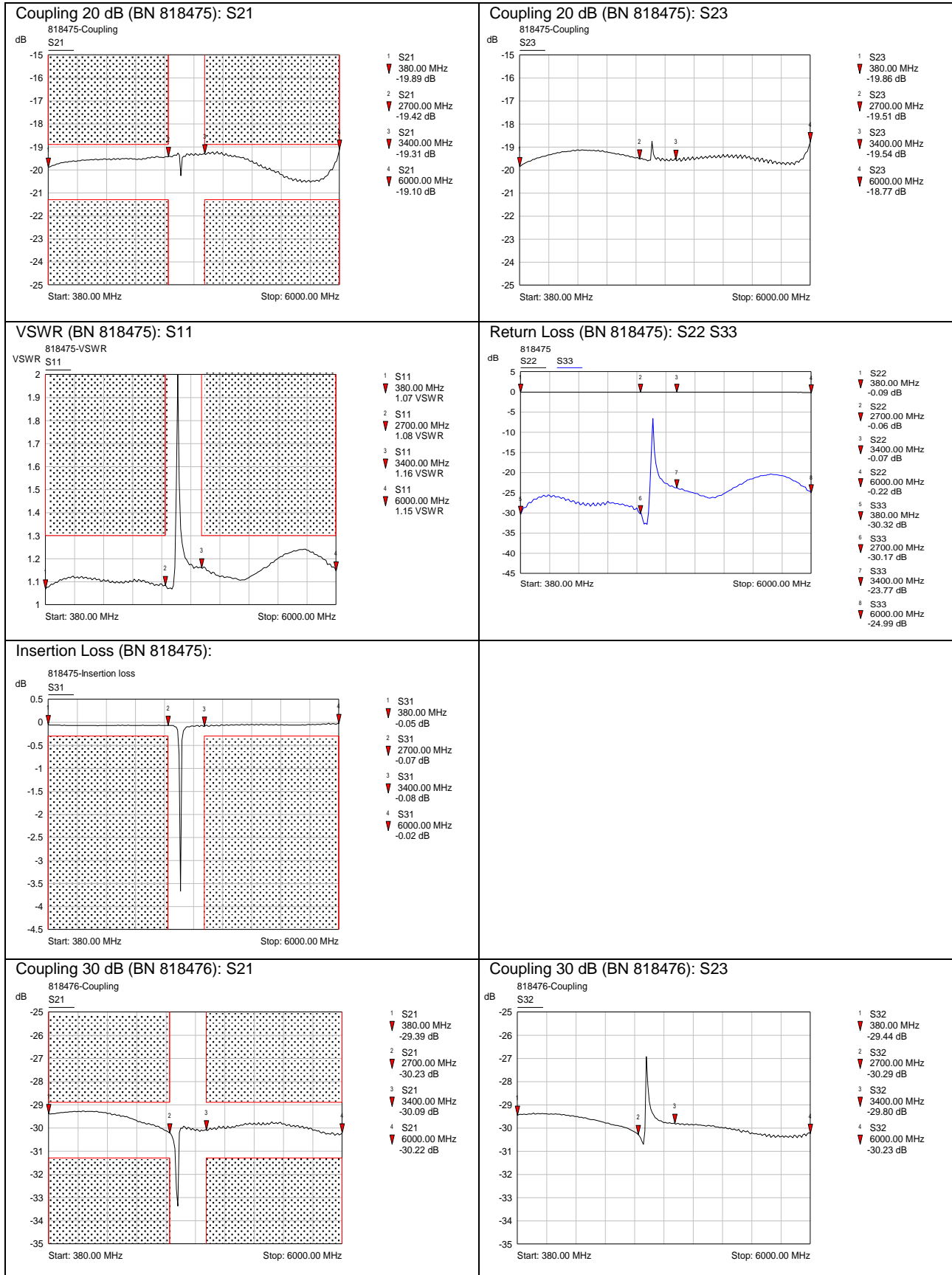
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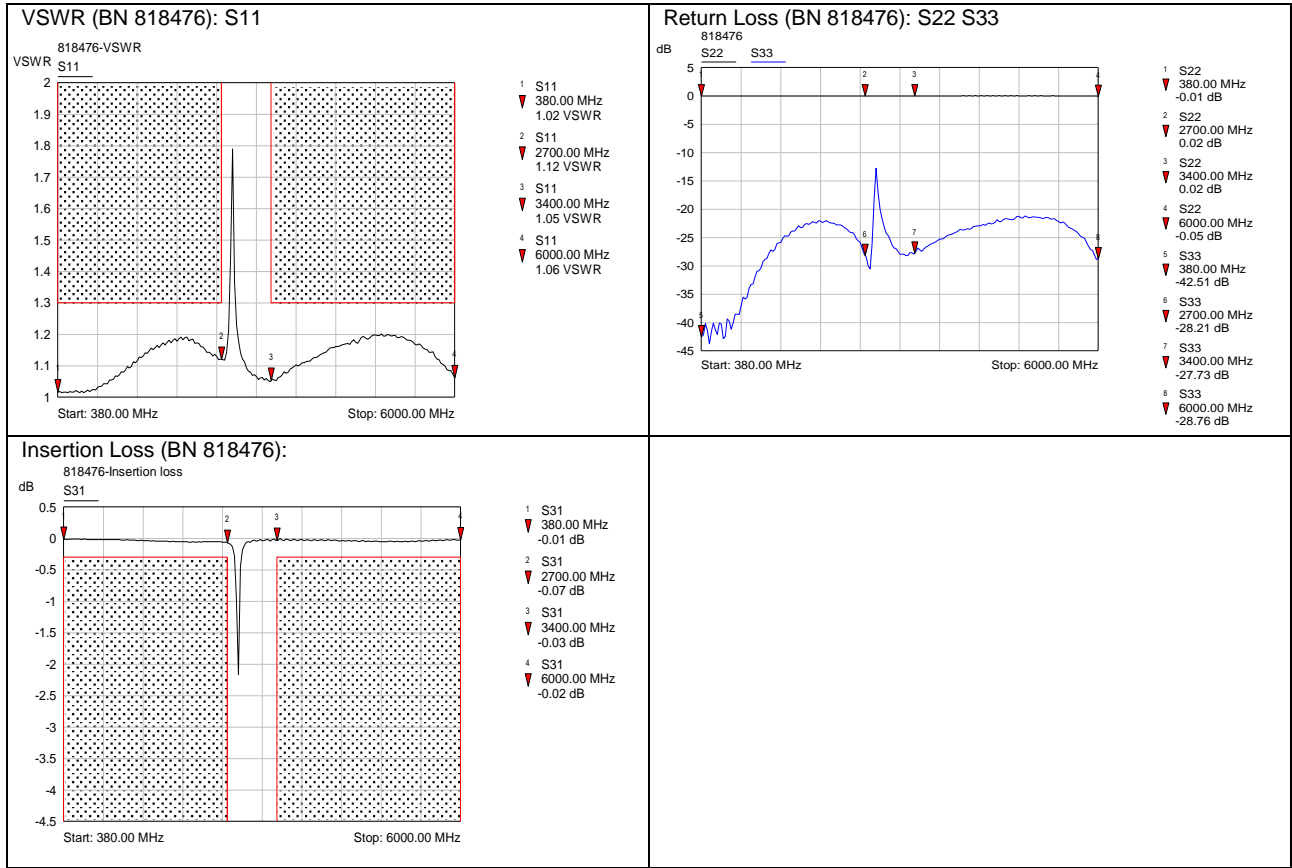
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