

1399.35.0002

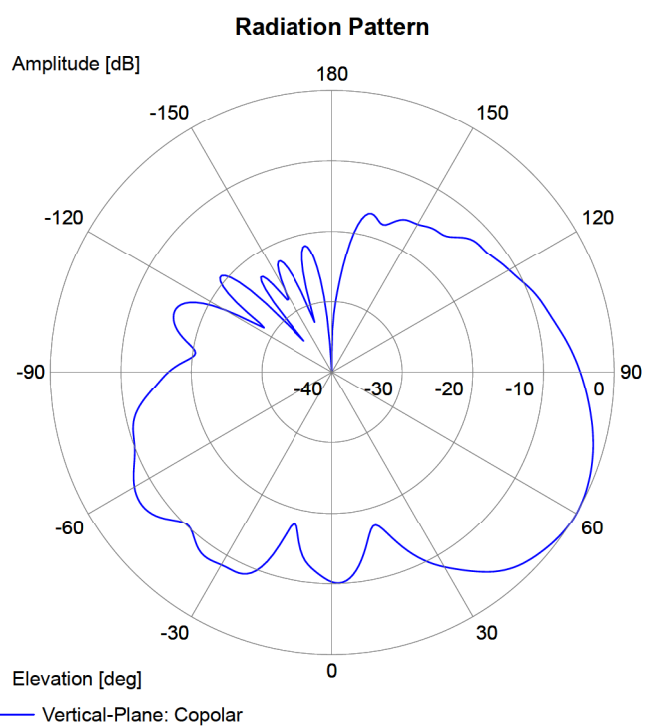
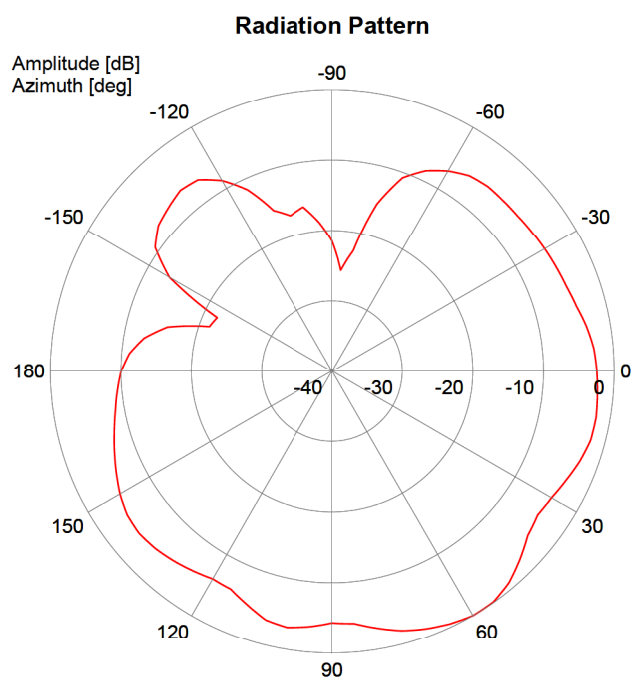
Object: SWA 2456/360/6/0/MIMO_2

Article-No.: 84123697

Lot-No.: 5013

Port: Port 1

Frequency: 6600 MHz



1399.35.0002

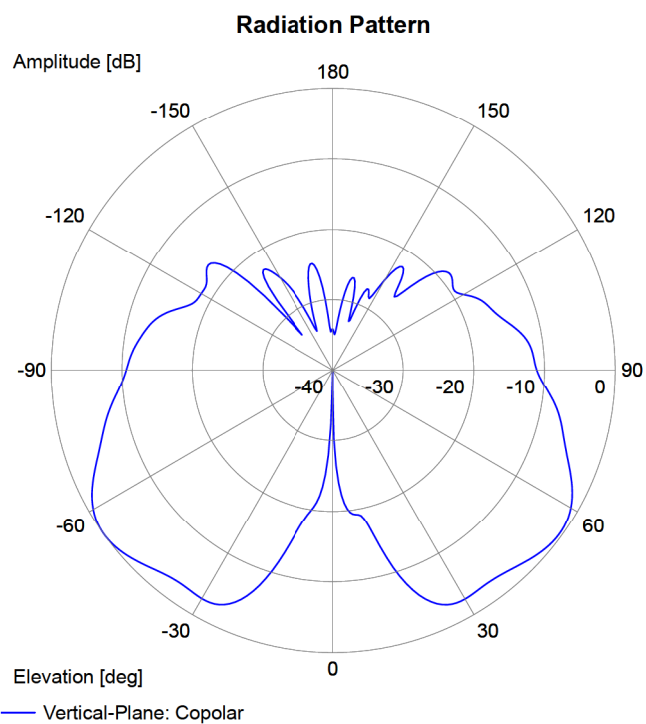
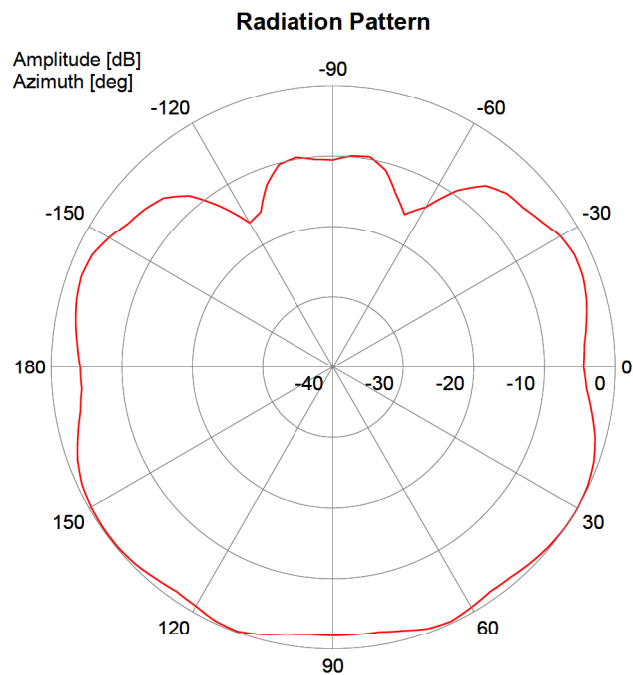
Object: SWA 2456/360/6/0/MIMO_2

Article-No.: 84123697

Lot-No.: 5013

Port: Port 2

Frequency: 6600 MHz



1399.35.0002

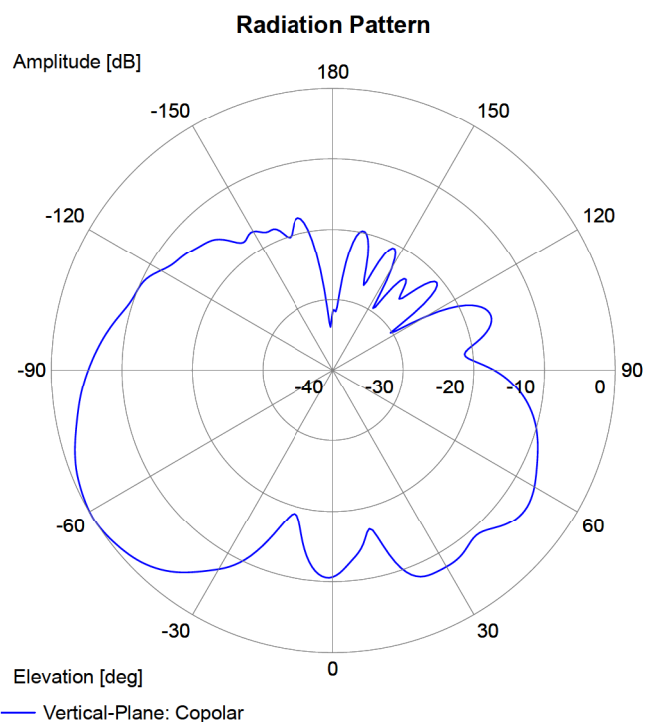
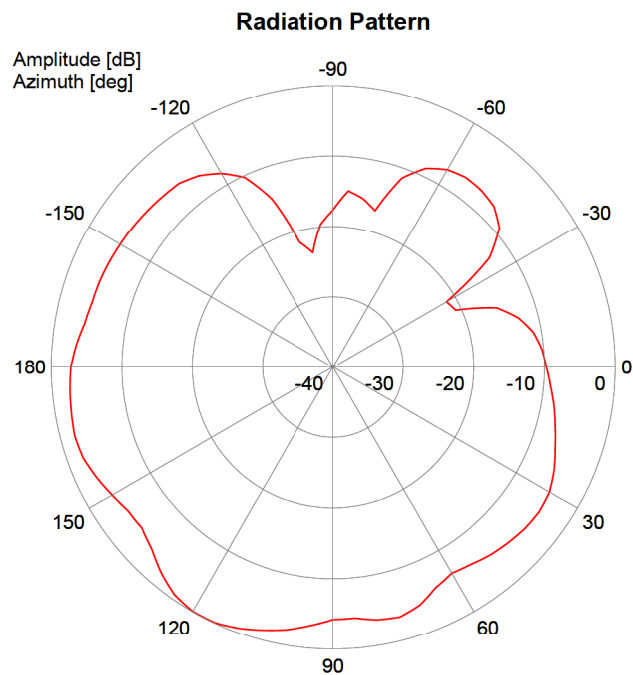
Object: SWA 2456/360/6/0/MIMO_2

Article-No.: 84123697

Lot-No.: 5013

Port: Port 3

Frequency: 6600 MHz



1399.35.0002

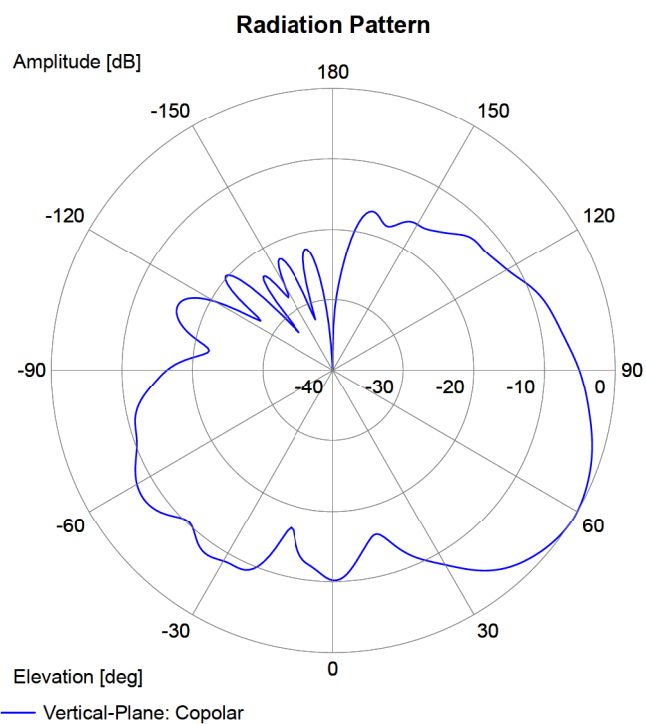
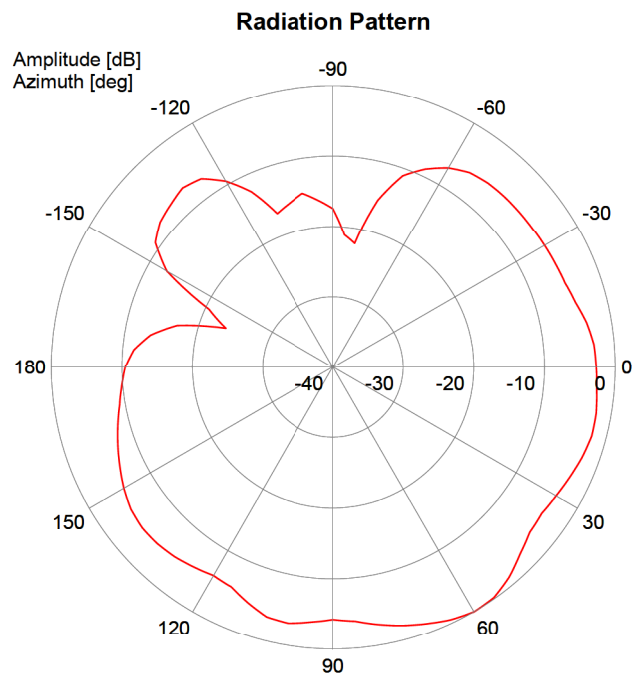
Object: SWA 2456/360/6/0/MIMO_2

Article-No.: 84123697

Lot-No.: 5013

Port: Port 1

Frequency: 6700 MHz



1399.35.0002

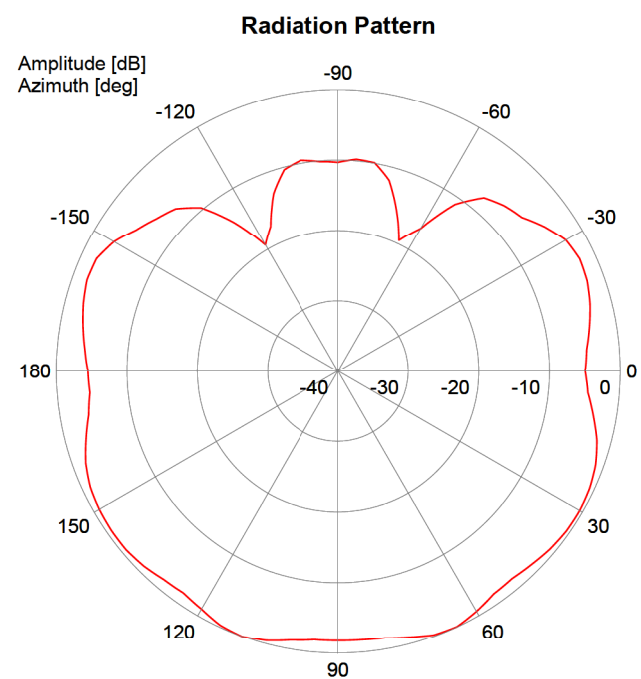
Object: SWA 2456/360/6/0/MIMO_2

Article-No.: 84123697

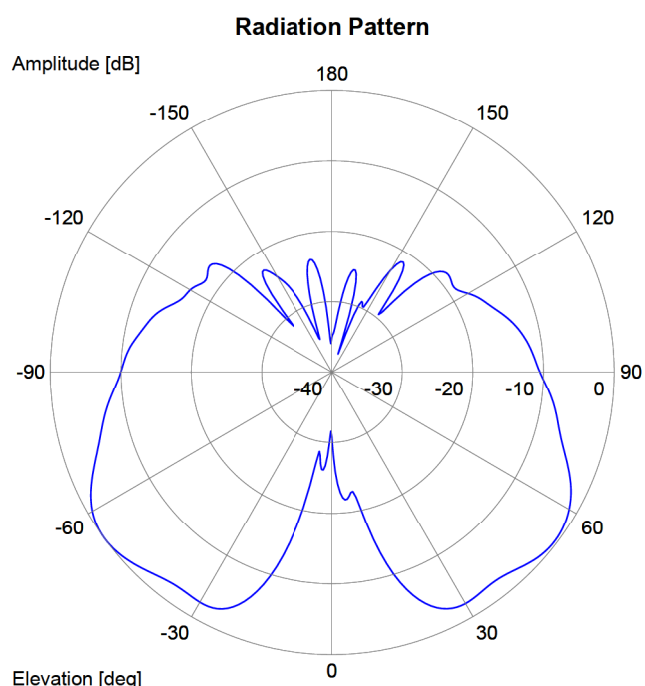
Lot-No.: 5013

Port: Port 2

Frequency: 6700 MHz



— Horizontal-Plane: Copolar



— Vertical-Plane: Copolar

1399.35.0002

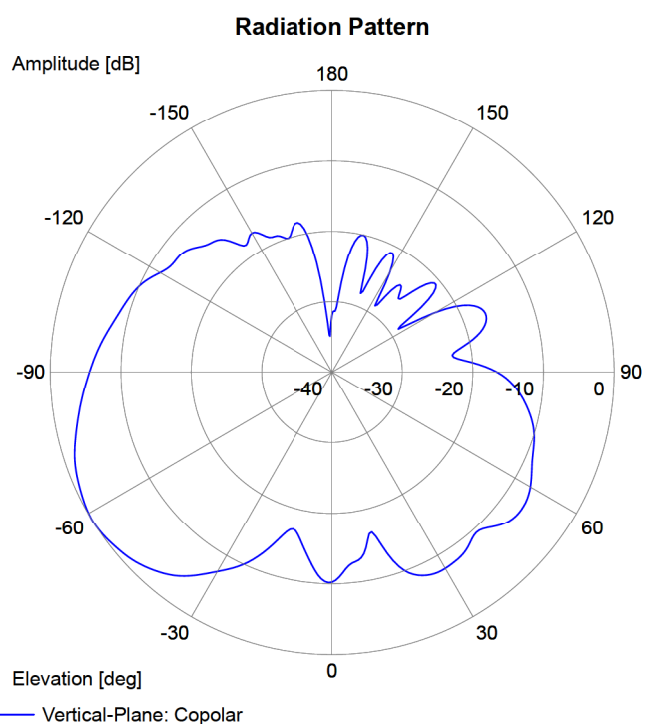
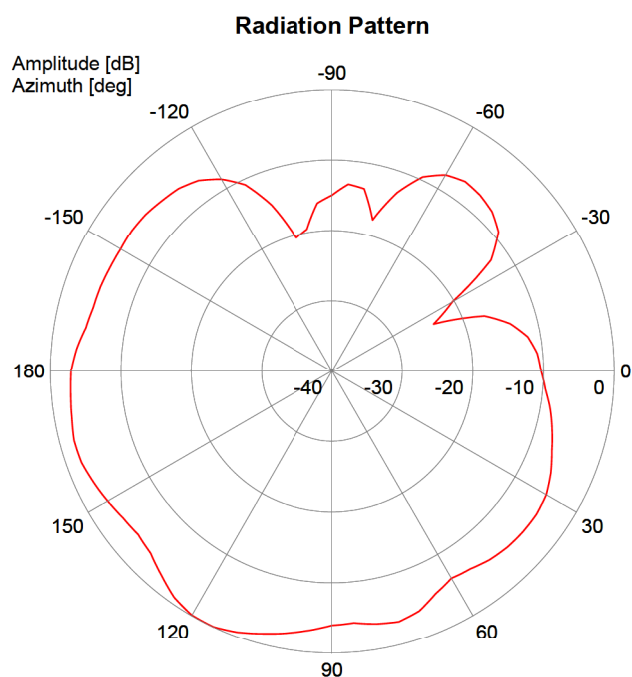
Object: SWA 2456/360/6/0/MIMO_2

Article-No.: 84123697

Lot-No.: 5013

Port: Port 3

Frequency: 6700 MHz



1399.35.0002

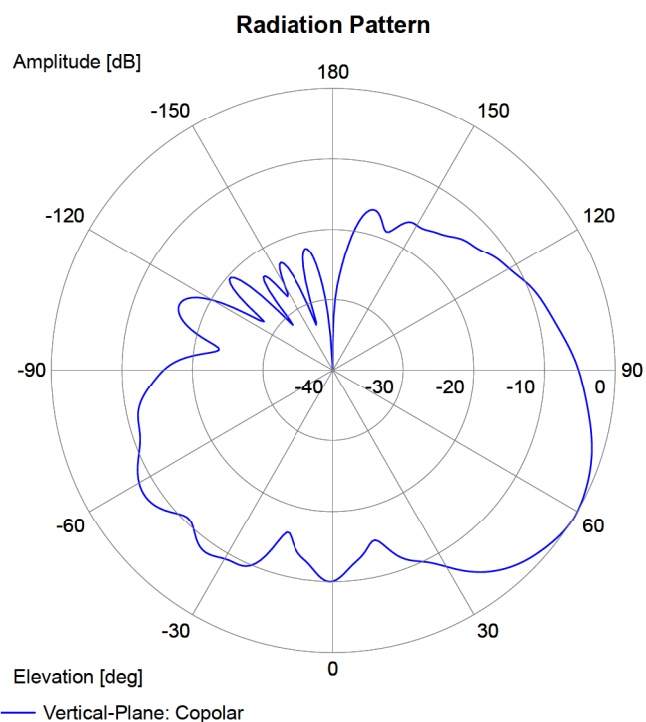
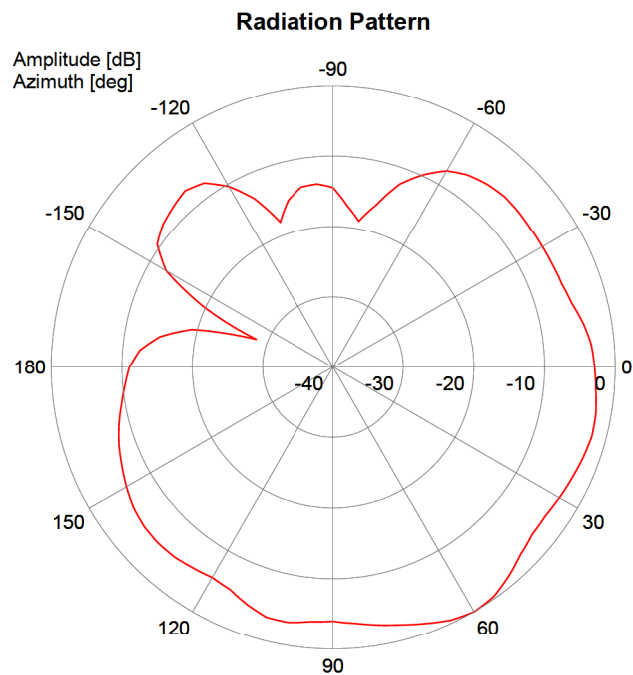
Object: SWA 2456/360/6/0/MIMO_2

Article-No.: 84123697

Lot-No.: 5013

Port: Port 1

Frequency: 6800 MHz



1399.35.0002

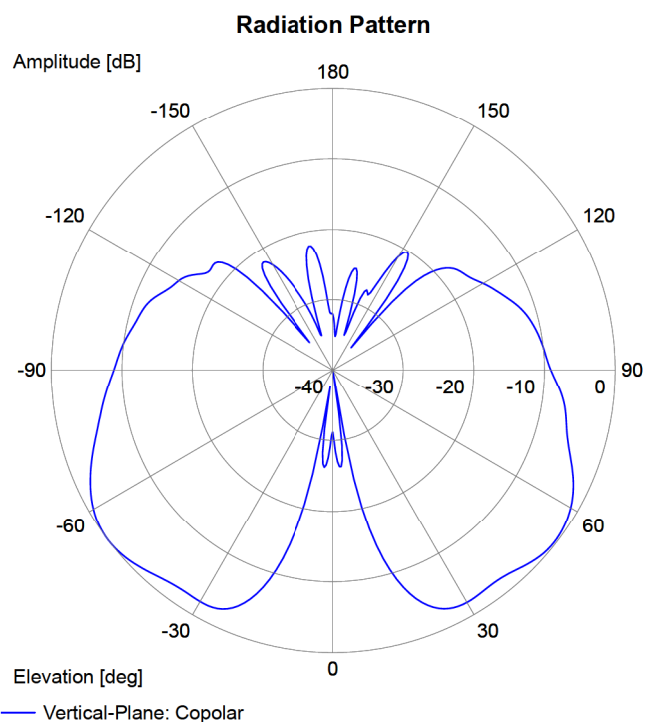
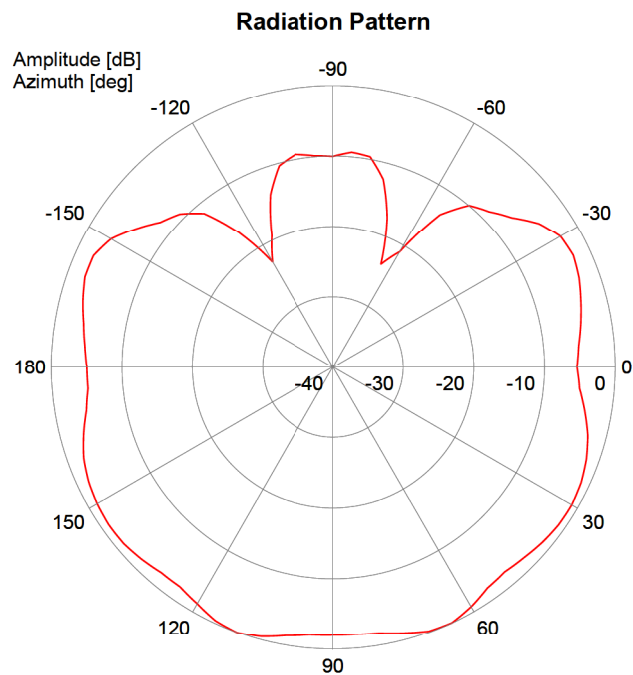
Object: SWA 2456/360/6/0/MIMO_2

Article-No.: 84123697

Lot-No.: 5013

Port: Port 2

Frequency: 6800 MHz



1399.35.0002

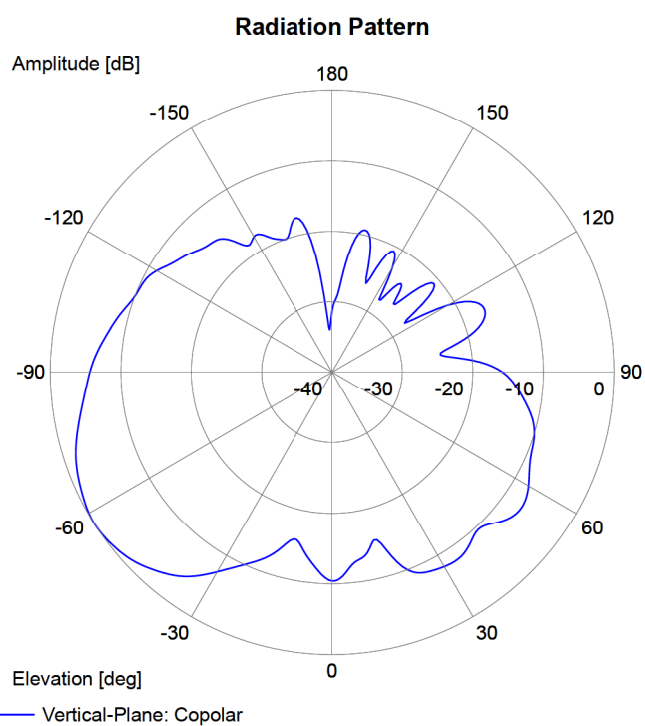
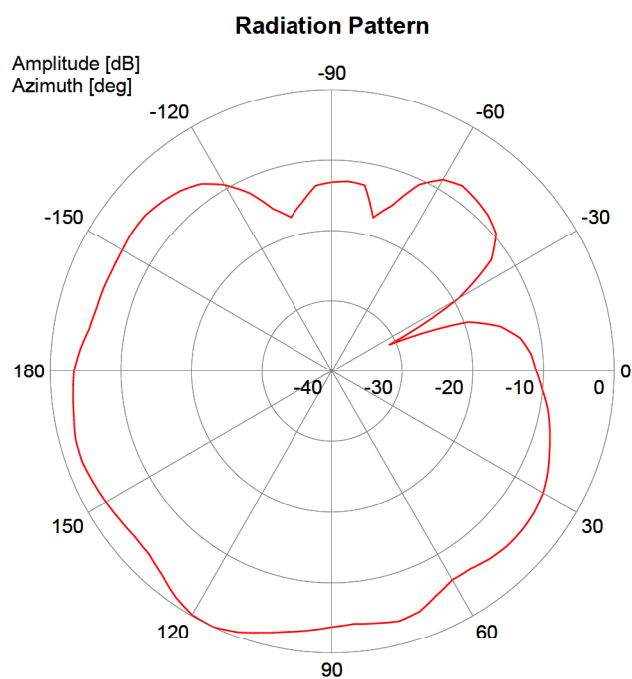
Object: SWA 2456/360/6/0/MIMO_2

Article-No.: 84123697

Lot-No.: 5013

Port: Port 3

Frequency: 6800 MHz



1399.35.0002

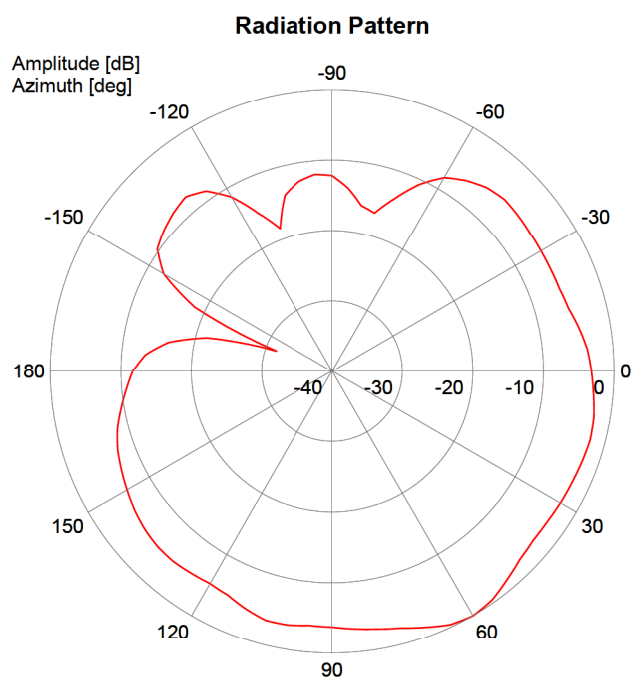
Object: SWA 2456/360/6/0/MIMO_2

Article-No.: 84123697

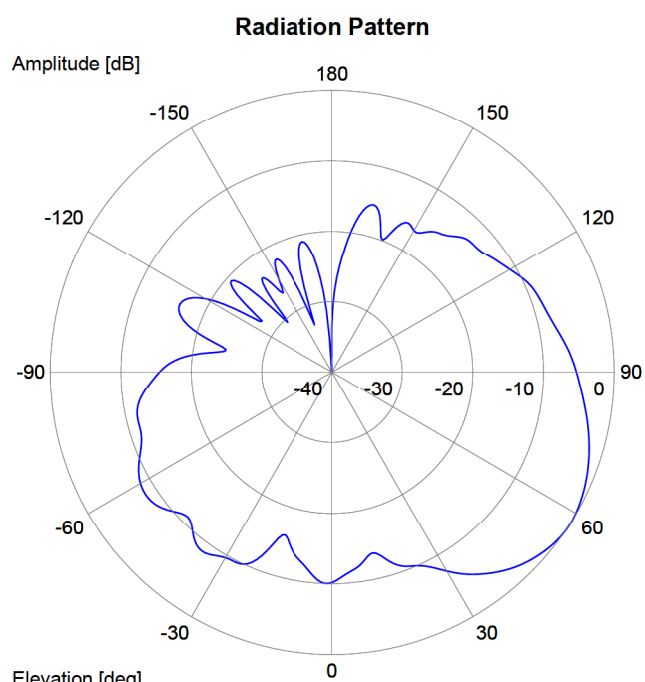
Lot-No.: 5013

Port: Port 1

Frequency: 6900 MHz



— Horizontal-Plane: Copolar



— Vertical-Plane: Copolar

1399.35.0002

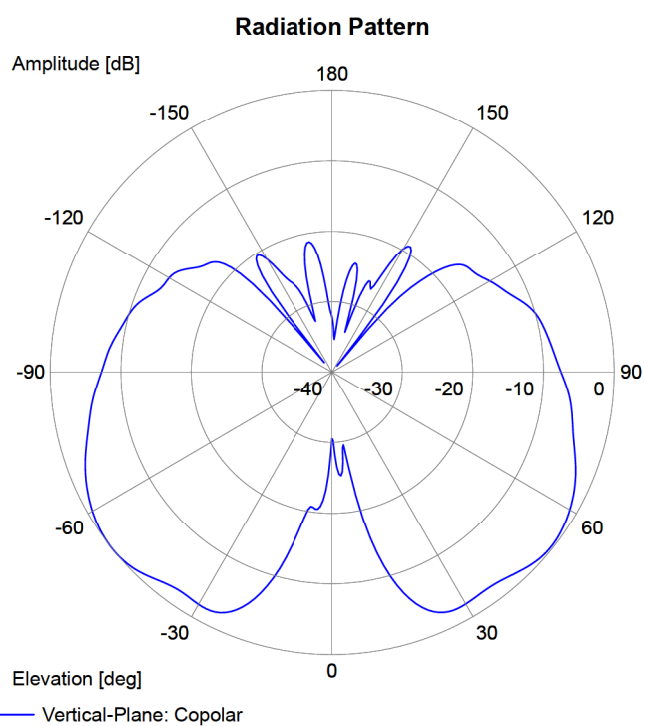
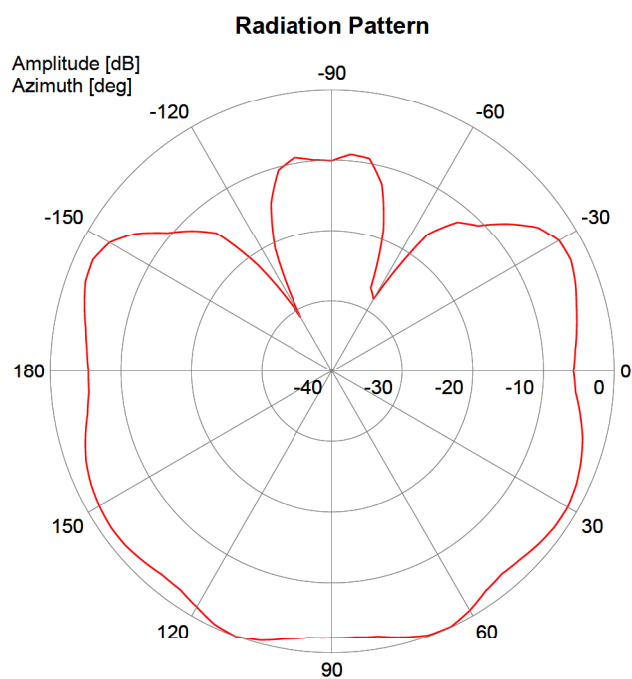
Object: SWA 2456/360/6/0/MIMO_2

Article-No.: 84123697

Lot-No.: 5013

Port: Port 2

Frequency: 6900 MHz



1399.35.0002

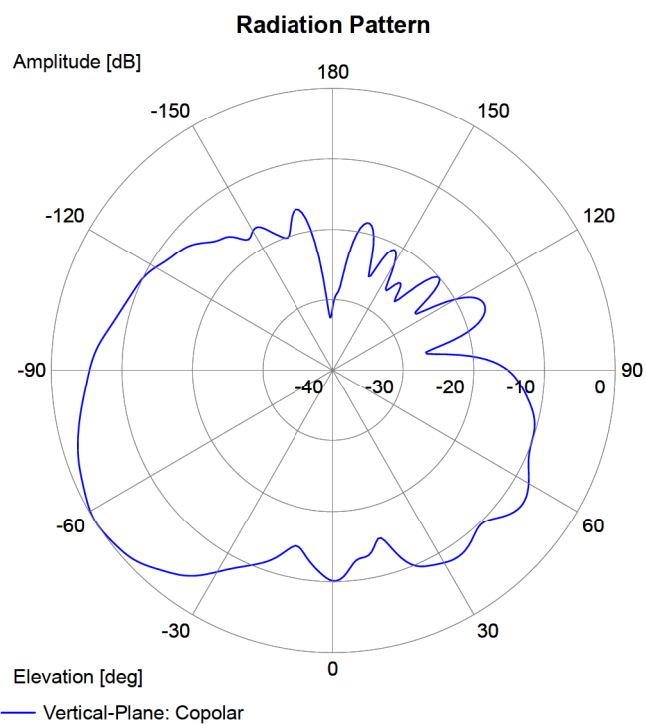
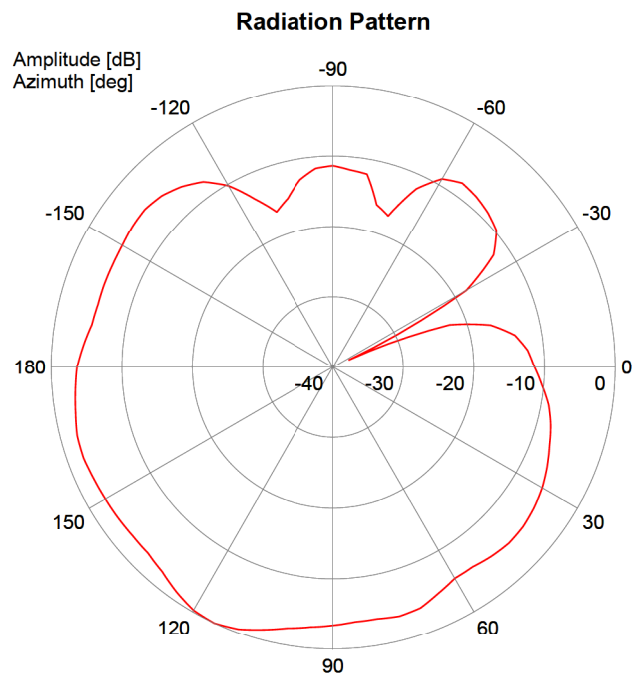
Object: SWA 2456/360/6/0/MIMO_2

Article-No.: 84123697

Lot-No.: 5013

Port: Port 3

Frequency: 6900 MHz



1399.35.0002

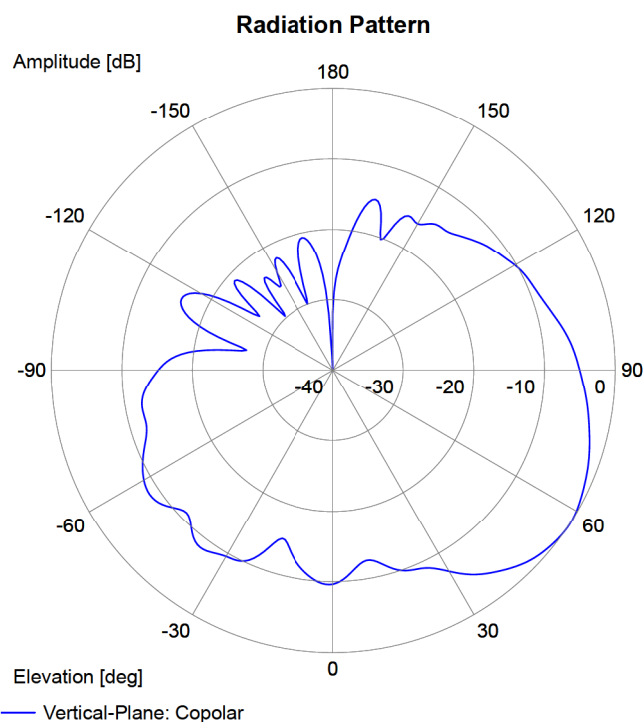
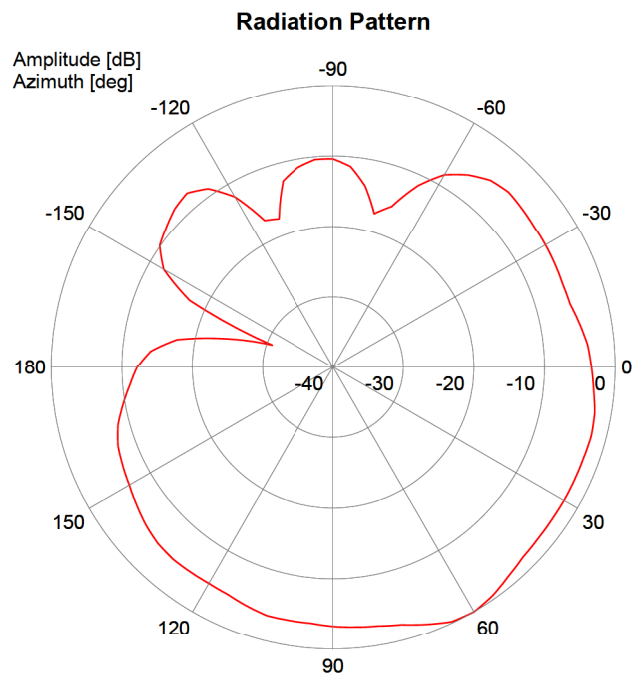
Object: SWA 2456/360/6/0/MIMO_2

Article-No.: 84123697

Lot-No.: 5013

Port: Port 1

Frequency: 7000 MHz



1399.35.0002

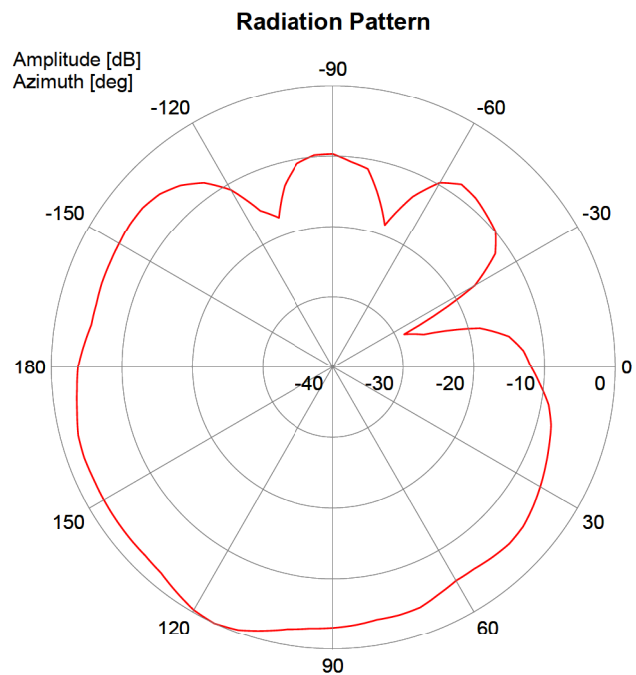
Object: SWA 2456/360/6/0/MIMO_2

Article-No.: 84123697

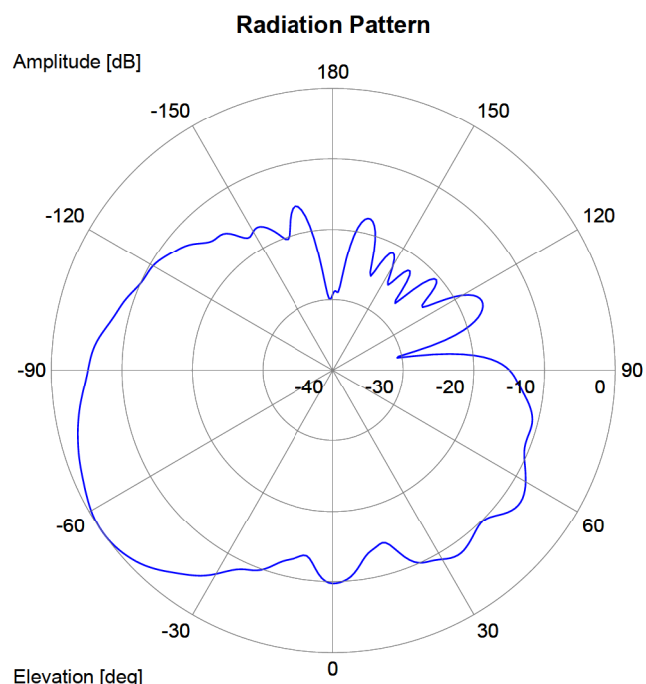
Lot-No.: 5013

Port: Port 3

Frequency: 7000 MHz



— Horizontal-Plane: Copolar



— Vertical-Plane: Copolar

1399.35.0002

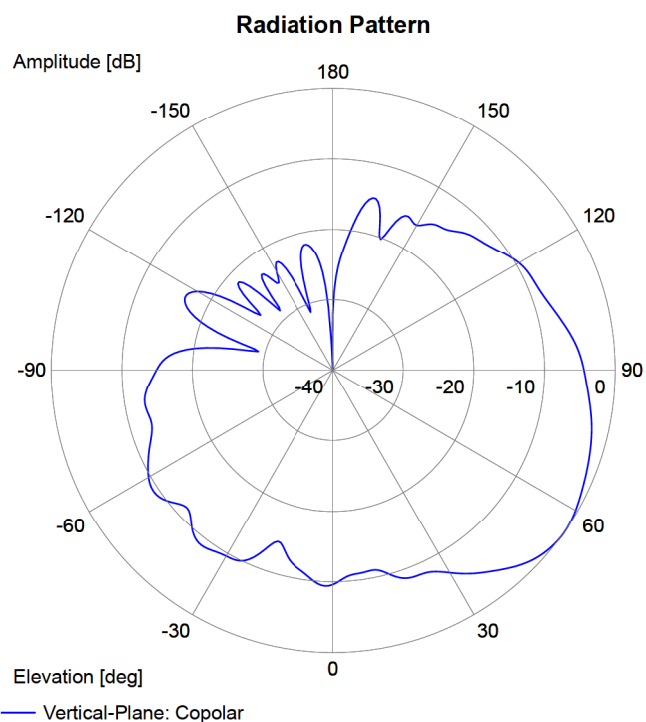
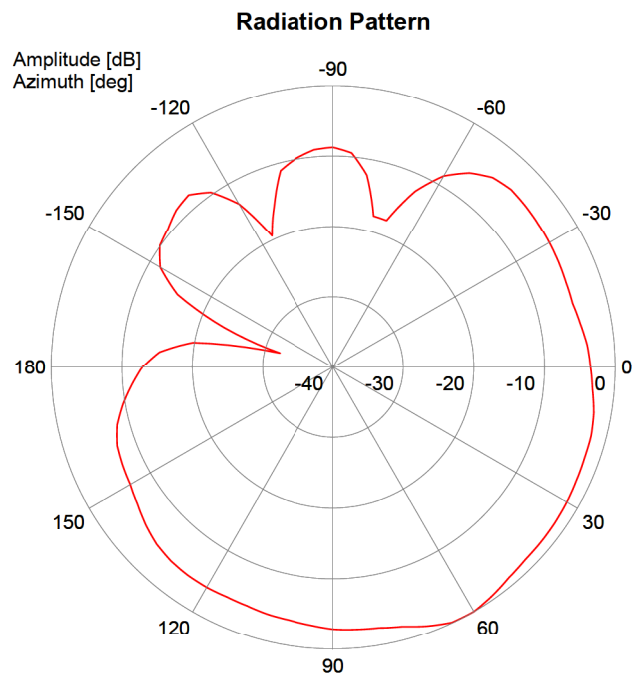
Object: SWA 2456/360/6/0/MIMO_2

Article-No.: 84123697

Lot-No.: 5013

Port: Port 1

Frequency: 7100 MHz



1399.35.0002

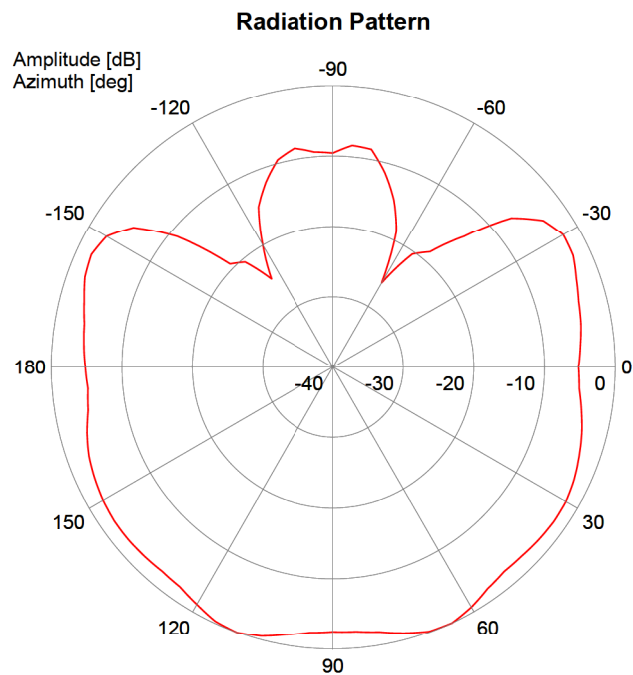
Object: SWA 2456/360/6/0/MIMO_2

Article-No.: 84123697

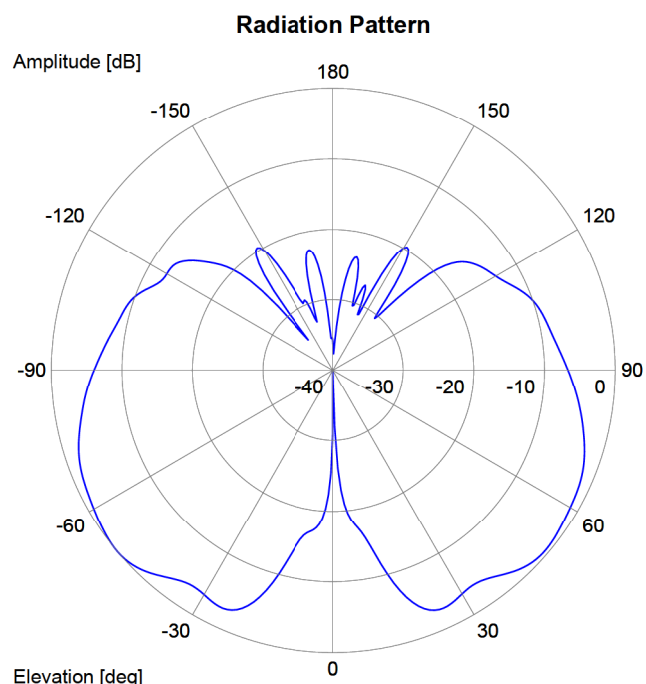
Lot-No.: 5013

Port: Port 2

Frequency: 7100 MHz



— Horizontal-Plane: Copolar



— Vertical-Plane: Copolar

1399.35.0002

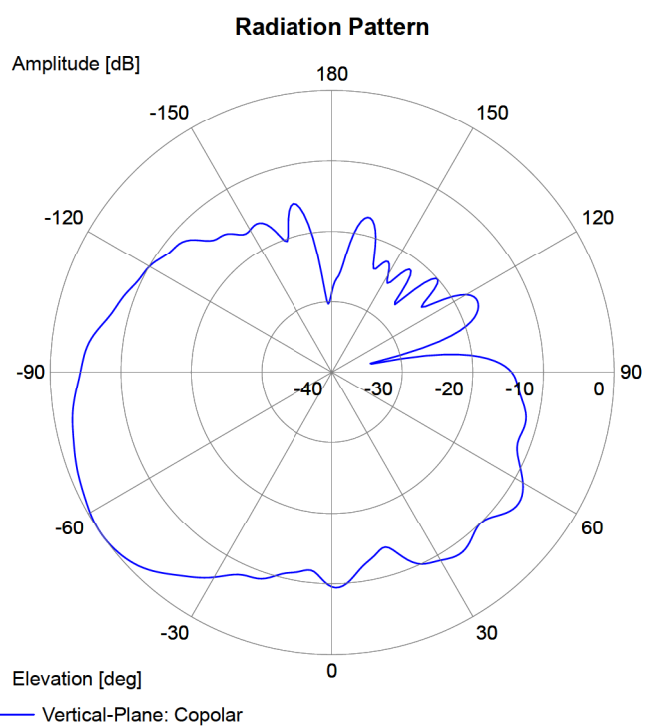
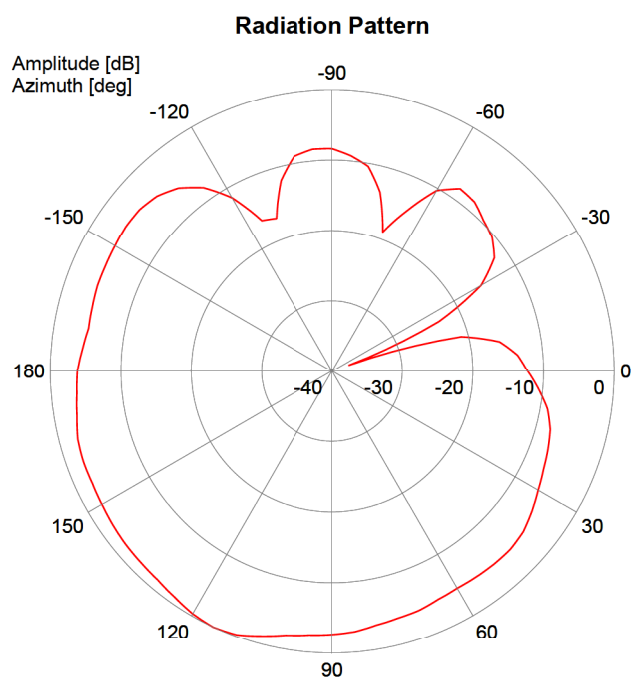
Object: SWA 2456/360/6/0/MIMO_2

Article-No.: 84123697

Lot-No.: 5013

Port: Port 3

Frequency: 7100 MHz



1399.35.0002

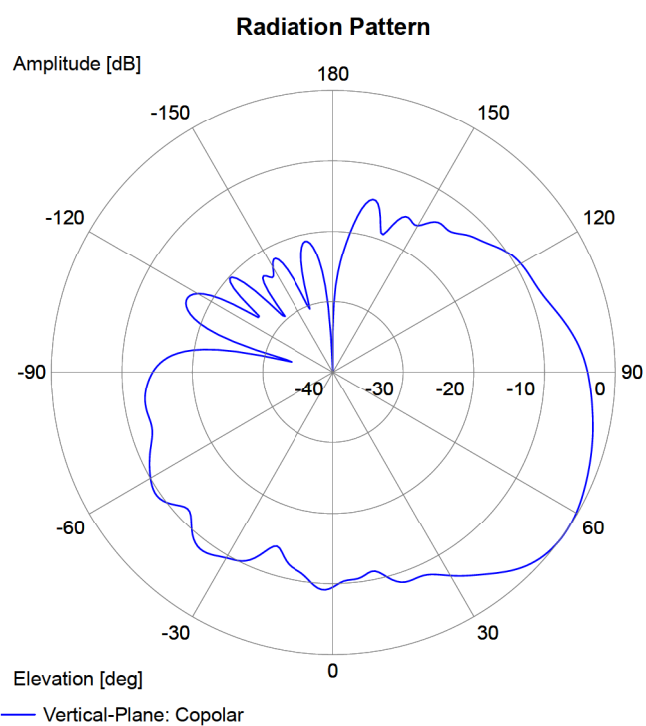
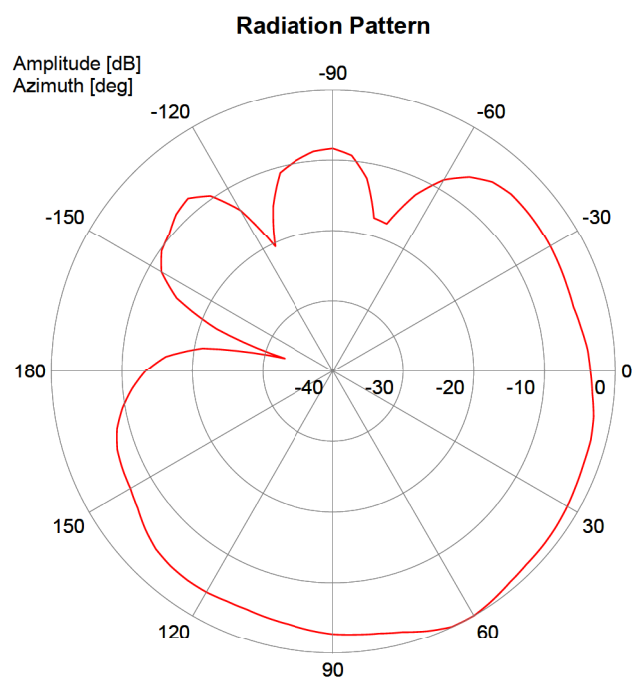
Object: SWA 2456/360/6/0/MIMO_2

Article-No.: 84123697

Lot-No.: 5013

Port: Port 1

Frequency: 7125 MHz



1399.35.0002

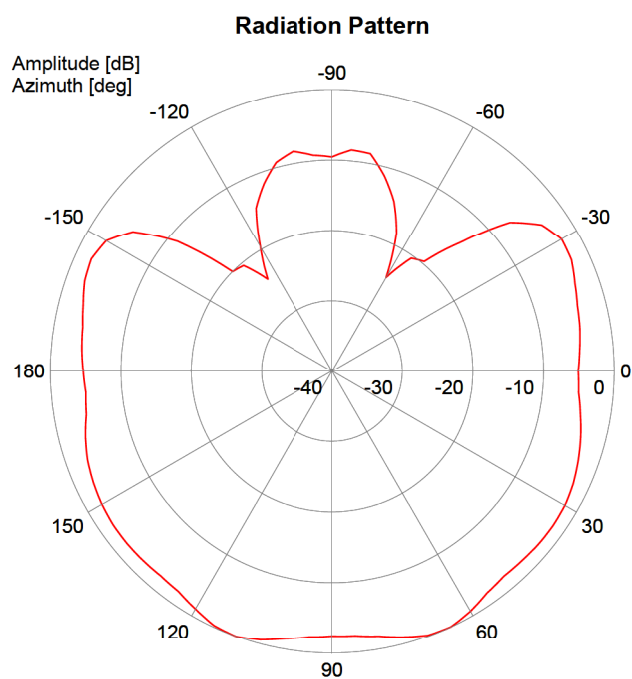
Object: SWA 2456/360/6/0/MIMO_2

Article-No.: 84123697

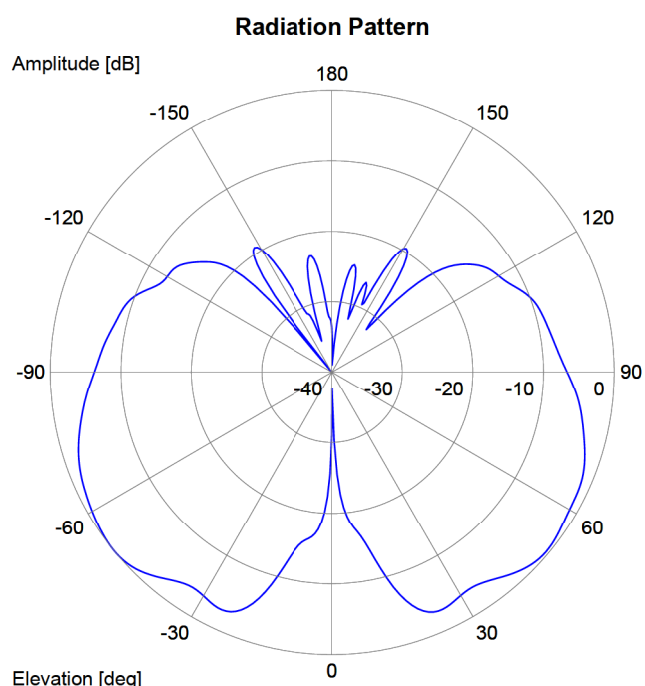
Lot-No.: 5013

Port: Port 2

Frequency: 7125 MHz



— Horizontal-Plane: Copolar



— Vertical-Plane: Copolar

1399.35.0002

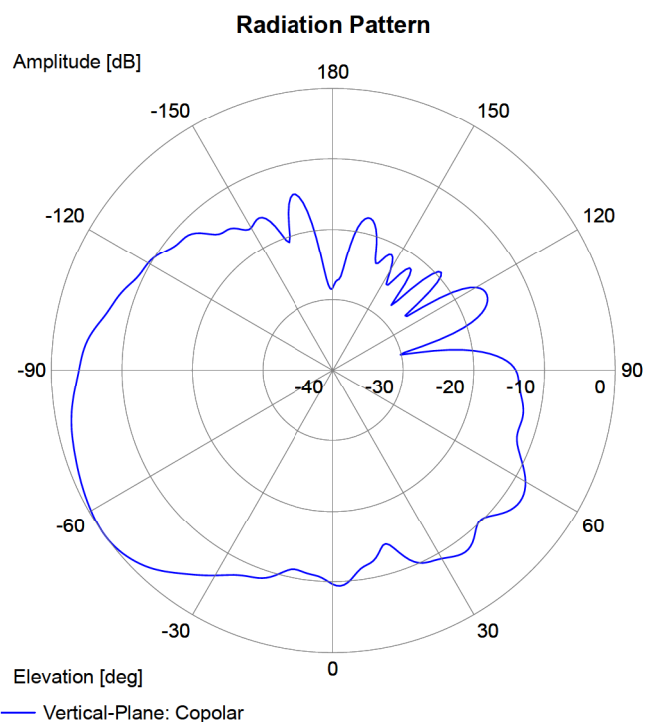
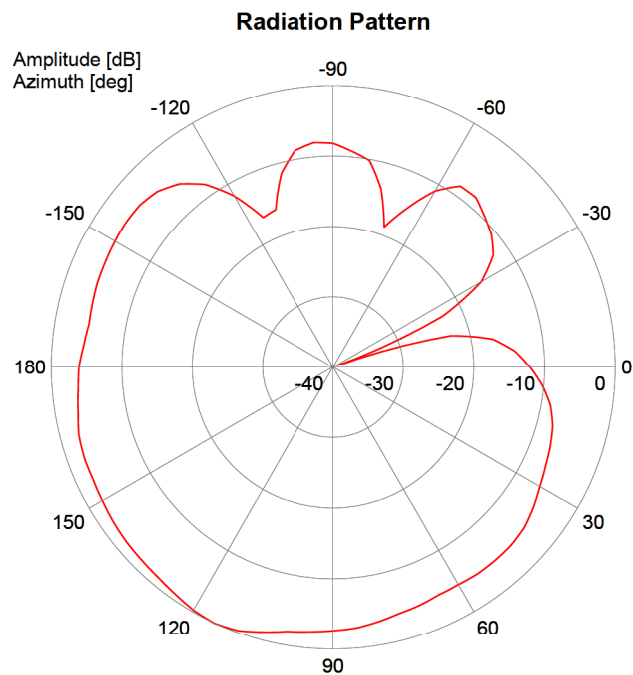
Object: SWA 2456/360/6/0/MIMO_2

Article-No.: 84123697

Lot-No.: 5013

Port: Port 3

Frequency: 7125 MHz



1399.35.0002

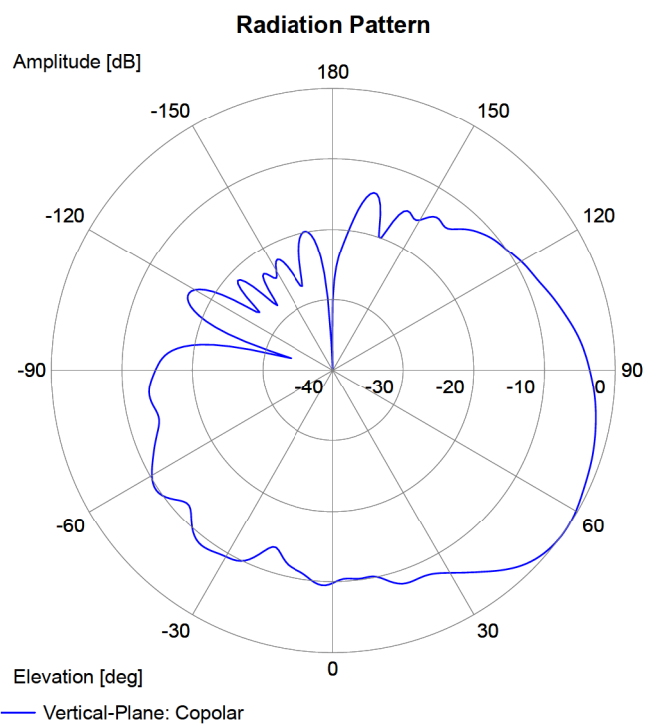
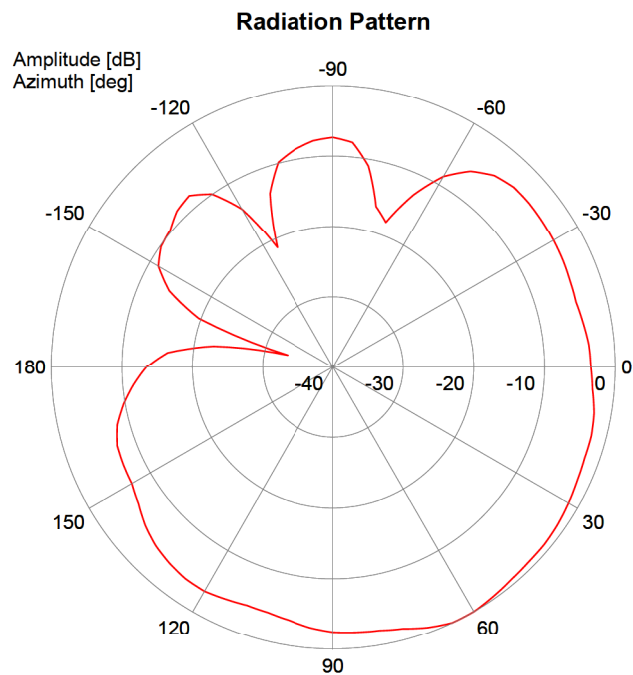
Object: SWA 2456/360/6/0/MIMO_2

Article-No.: 84123697

Lot-No.: 5013

Port: Port 1

Frequency: 7200 MHz



1399.35.0002

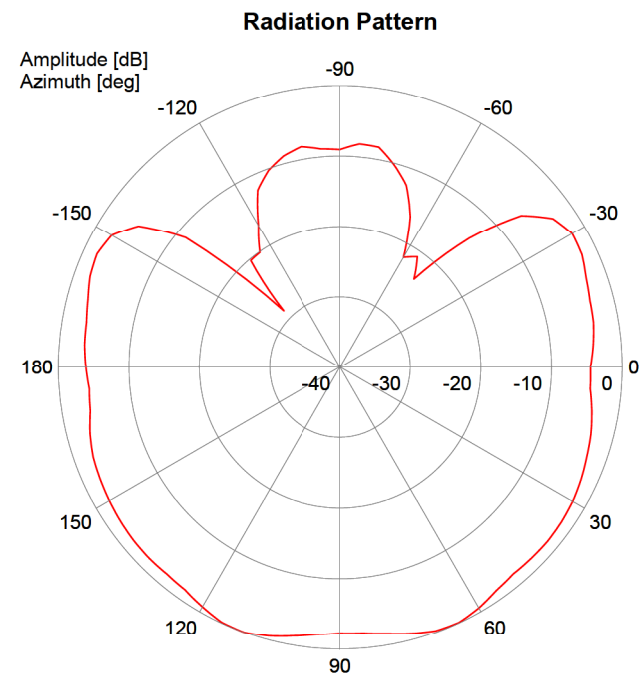
Object: SWA 2456/360/6/0/MIMO_2

Article-No.: 84123697

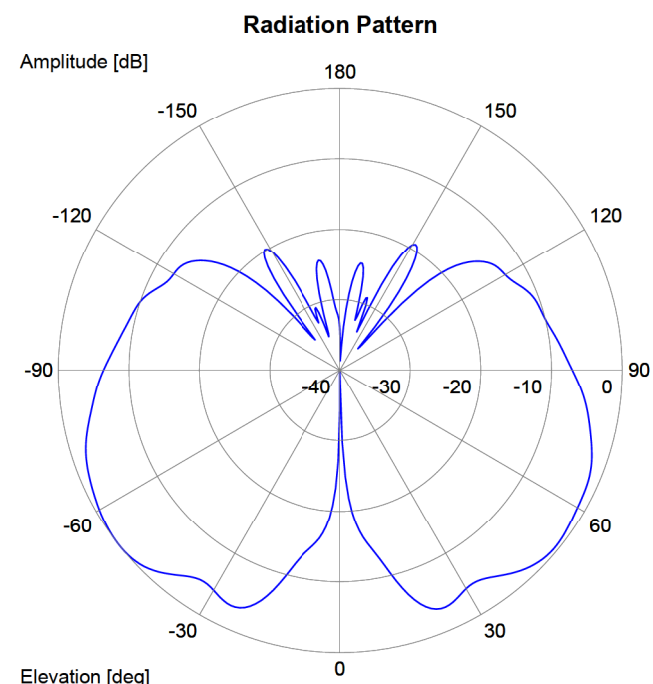
Lot-No.: 5013

Port: Port 2

Frequency: 7200 MHz



— Horizontal-Plane: Copolar



— Vertical-Plane: Copolar

1399.35.0002

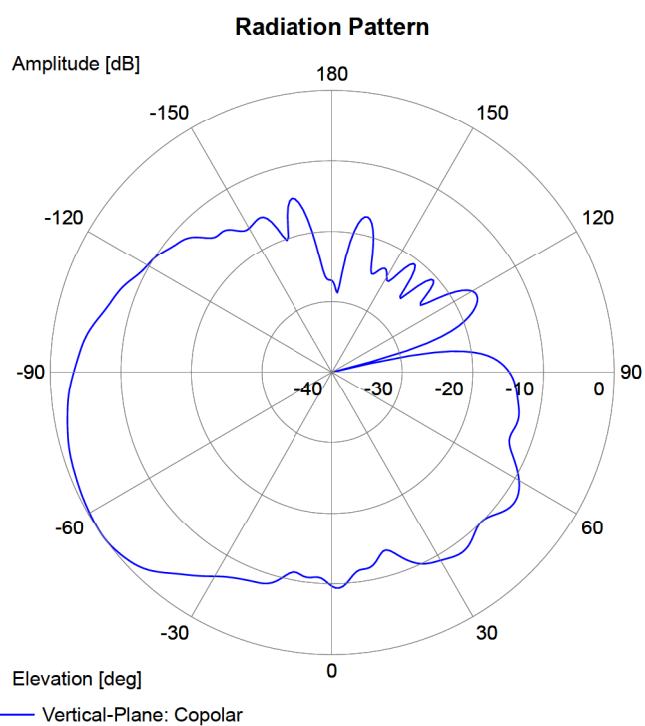
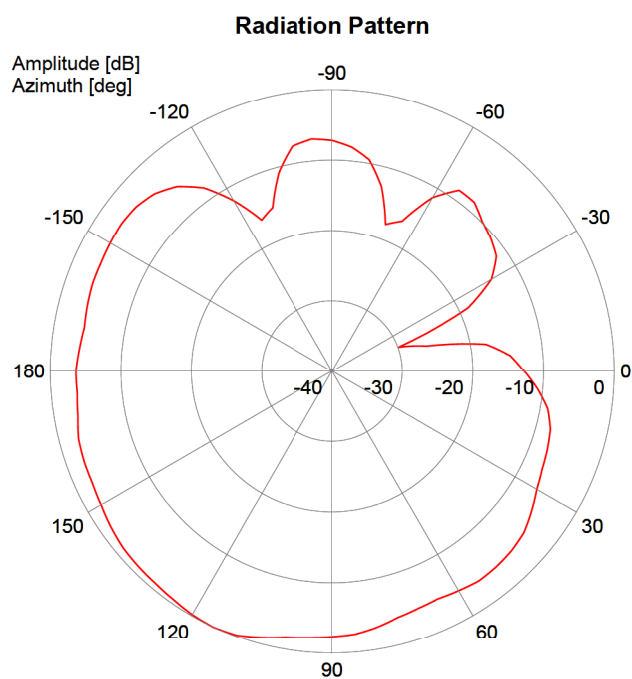
Object: SWA 2456/360/6/0/MIMO_2

Article-No.: 84123697

Lot-No.: 5013

Port: Port 3

Frequency: 7200 MHz



1399.35.0002

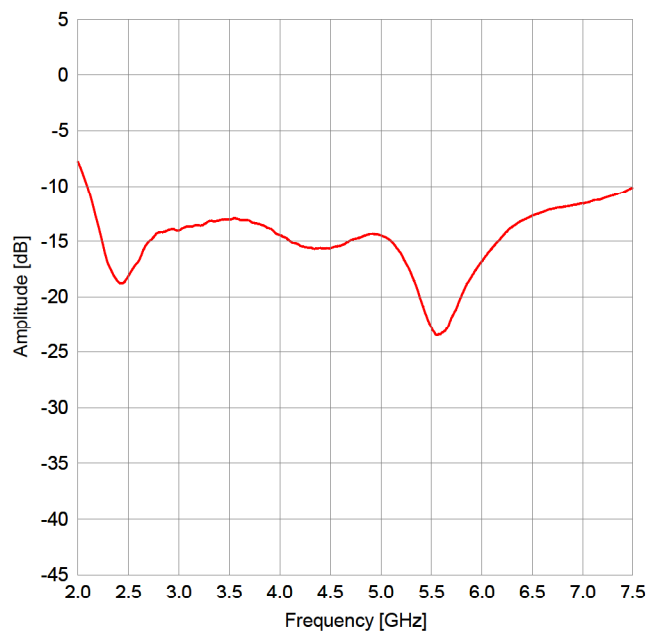
Object: SWA 2456/360/6/0/MIMO_2

Article-No.: 84123697

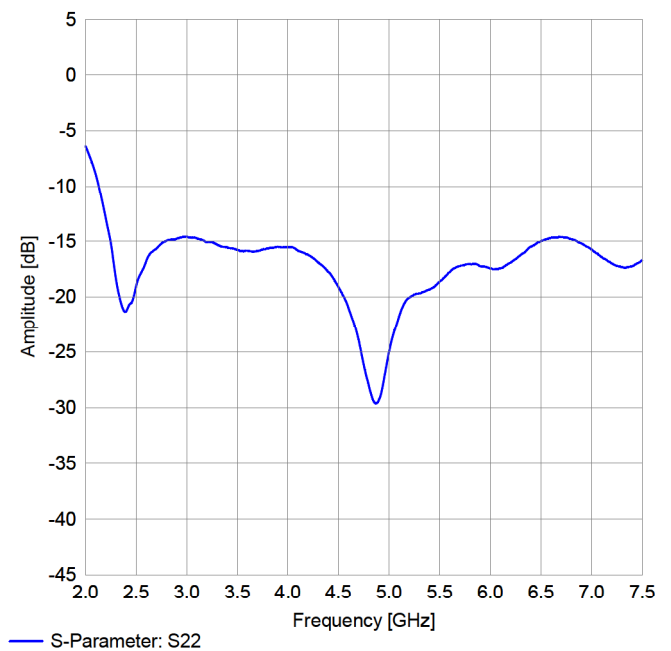
Serial-No.: Port 1 and Port 2

Lot-No.: 4133

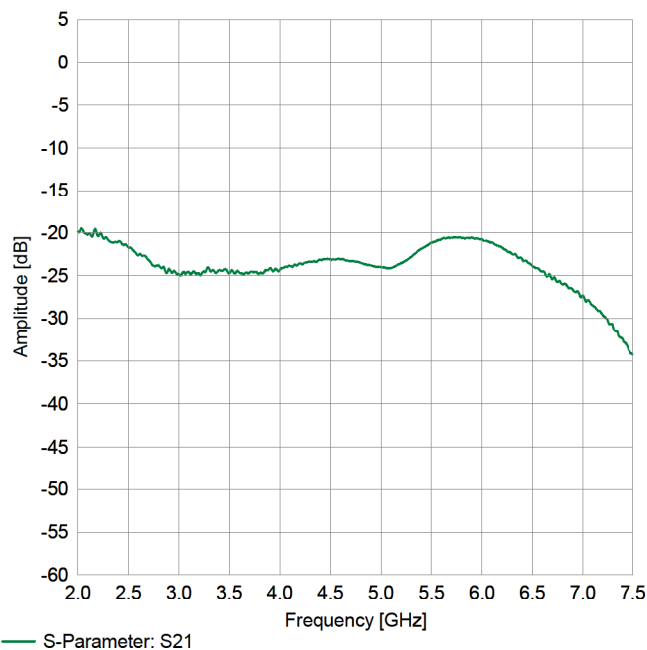
S-Parameter



S-Parameter



S-Parameter



1399.35.0002

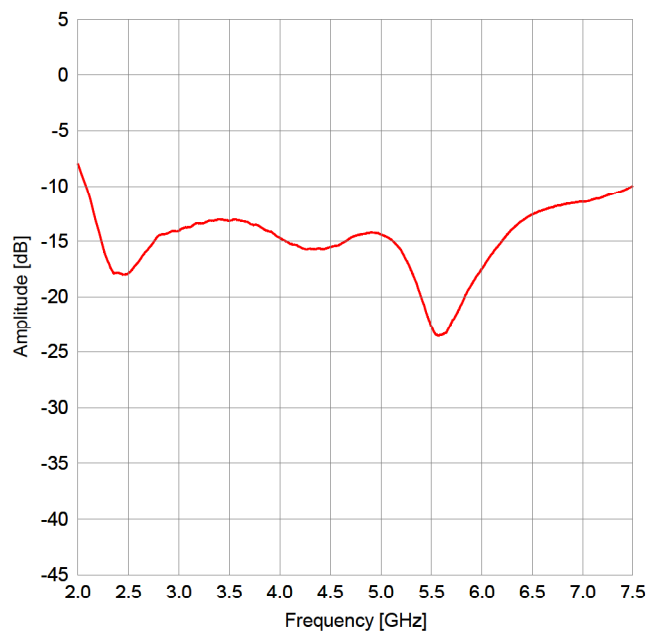
Object: SWA 2456/360/6/0/MIMO_2

Article-No.: 84123697

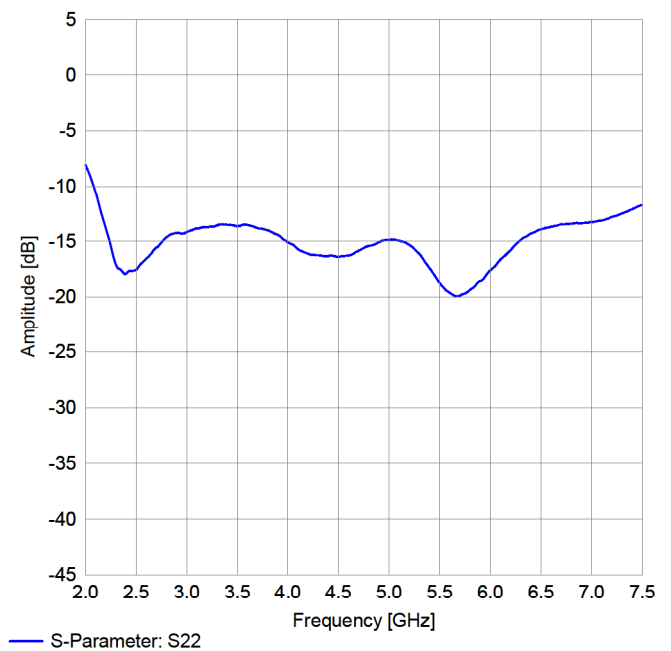
Serial-No.: Port 1 and Port 3

Lot-No.: 4133

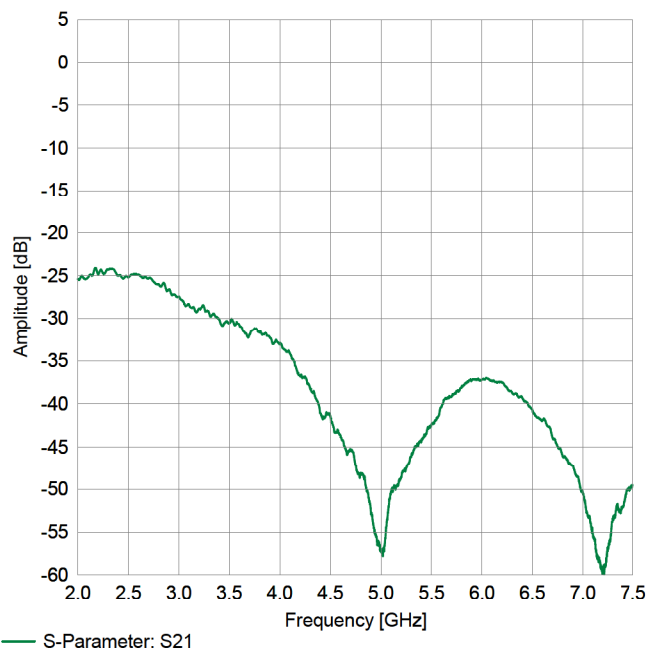
S-Parameter



S-Parameter



S-Parameter



1399.35.0002

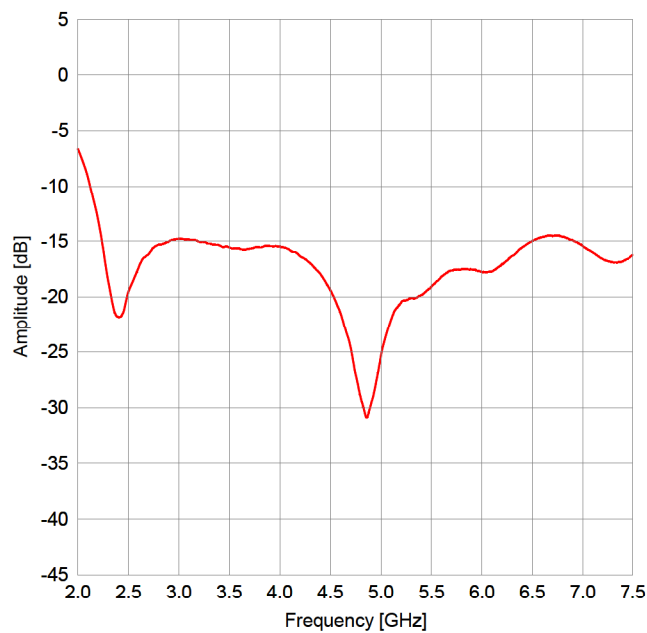
Object: SWA 2456/360/6/0/MIMO_2

Article-No.: 84123697

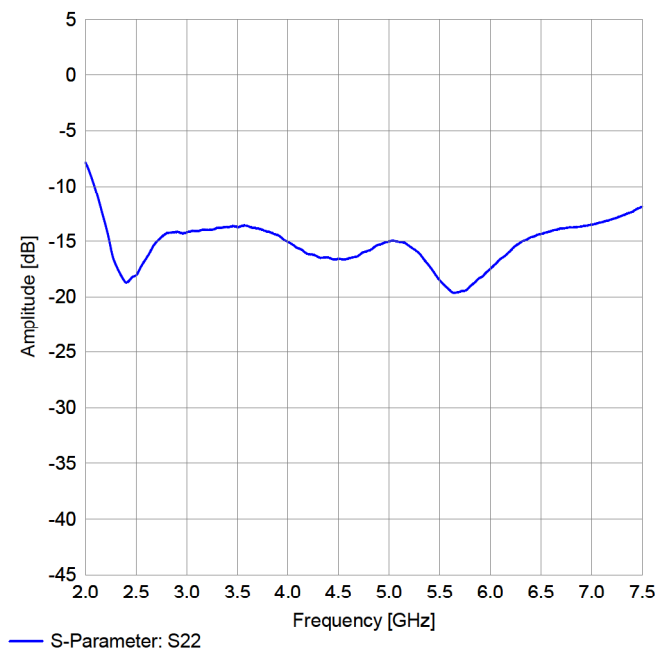
Serial-No.: Port 2 and Port 3

Lot-No.: 4133

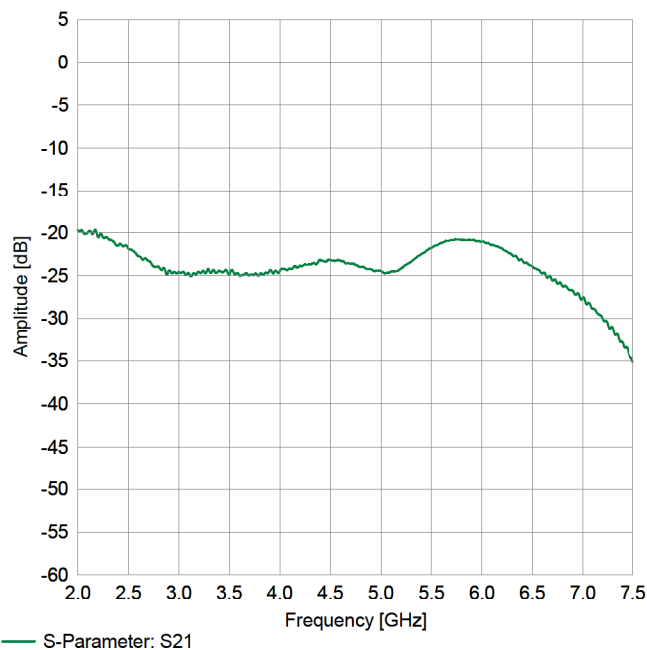
S-Parameter



S-Parameter



S-Parameter



SENCITY® Omni-SR 3x3 MIMO Antenna

1399.35.0002

Properties

- Compact omni-directional MIMO indoor antenna for Wi-Fi applications
- Supports 3x3 Wi-Fi MIMO in all Wi-Fi 6E bands
- Rugged design, meets EN 50155 Railway Standard
- Fire retardant acc. to DIN 5510-2, BS 6853, EN 45545-2, NFPA130
- Contains three RF ports QMA (female) embedded on the rear side

**Electrical bands**

	Band 1	Band 2	Band 3
Frequency	2400 MHz ... 2690 MHz	5150 MHz ... 5935 MHz	5935 MHz ... 7125 MHz
VSWR	1.5	1.5	1.8
Impedance	50 Ω	50 Ω	50 Ω
Gain	4 dBi	6 dBi	6 dBi
HPBW horizontal	360 °	360 °	360 °
Isolation between Ports	20 dB	20 dB	20 dB
Ambient Temperature	25 °C	25 °C	25 °C
Composite Power max	40 W	30 W	30 W

Ports

	Port 1	Port 2	Port 3
Port name	WiFi	WiFi	WiFi
Connector	QMA, jack (female)	QMA, jack (female)	QMA, jack (female)
Polarization	vertical	vertical	vertical
DC grounded	Yes	Yes	Yes

Connections

Port number	Port 1	Port 2	Port 3
Band 1	✓	✓	✓
Band 2	✓	✓	✓

SENCITY® Omni-SR 3x3 MIMO Antenna

1399.35.0002

Connections			
Band 3	✓	✓	✓

Mechanical data	
Weight	0.32 kg
Dimensions	31 mm x 91.8 mm x 281.8 mm (Height x Width x Depth)
Remarks	Low corrosion design acc. to MIL-F-14072(E).

Interface and material data	
Radome material	PC (Polycarbonate)
Radome colour	RAL 7044 (grey)
Back plate/base plate material	Aluminum

Environmental data	
Operation temperature	-40 °C ... 85 °C
Storage temperature	-40 °C ... 85 °C
Transport temperature	-40 °C ... 85 °C
Environment (application)	Indoor
Ingress protection (IP Rating)	IPX5
Flammability rating	EN 45545-2

Environmental remarks	
Flammability rating: DIN 5510-2, BS 6853, EN 45545-2, NFPA130	
High-voltage-protection: Designed acc. to UIC 533	
Environmental compliance: EN50155:2007	

Additional Information	
Antenna is identical to 1399.35.0008 but with radome colour RAL 7044 (grey).	

HUBER+SUHNER**HUBER+SUHNER AG**

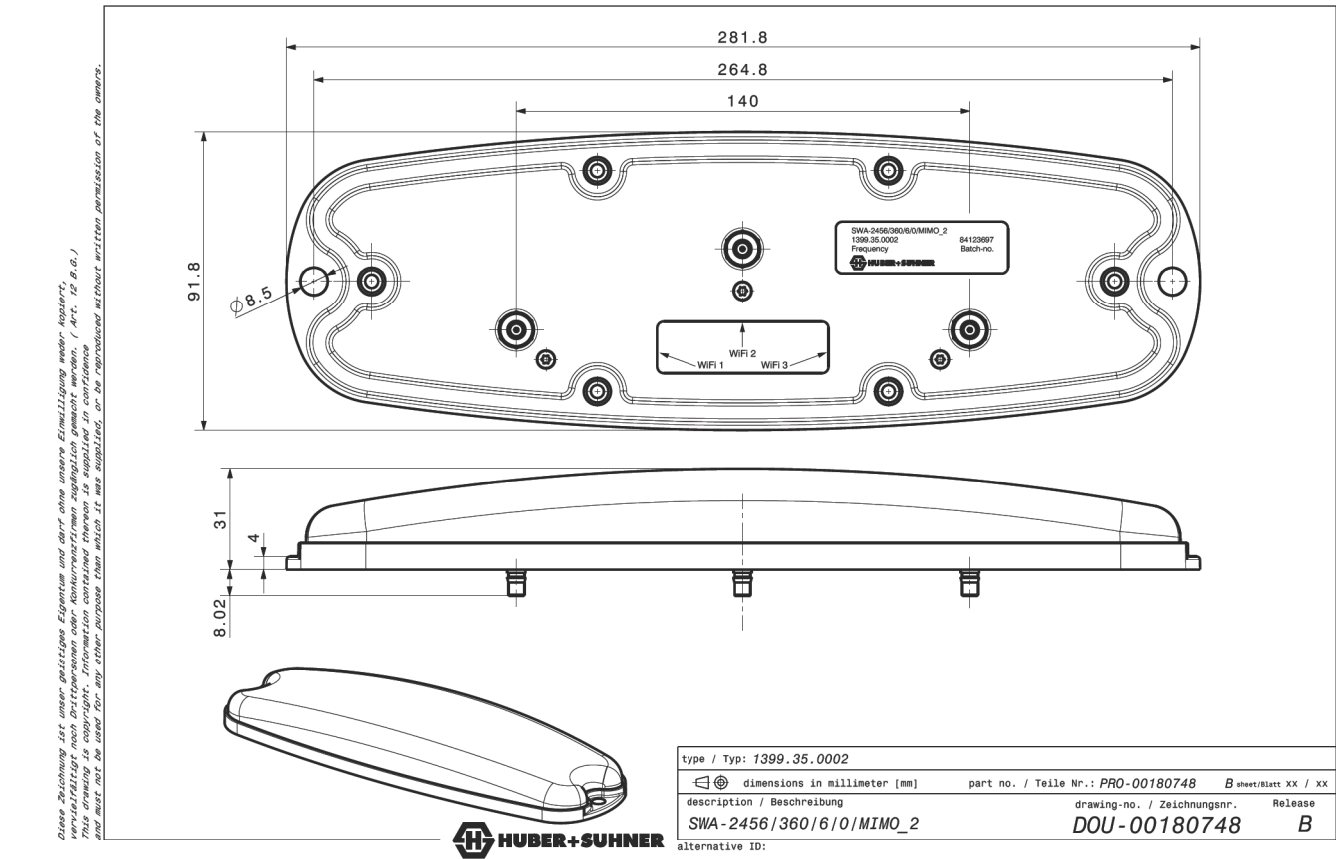
Degersheimerstr. 14

9100 Herisau

Switzerland

SENCITY® Omni-SR 3x3 MIMO Antenna
1399.35.0002

Outline drawing



HUBER+SUHNER is certified by ISO 9001, ISO 14001, ISO 45001, IATF 16949, AS/EN 9100 and ISO/TS 22163-IRIS. Waiver: Facts and figures herein are for information only and do not represent any warranty of any kind.
DOCUMENT PIM-P3225 / Date of publication: 12.06.2024 / uncontrolled copy