

ProSig Wi-Fi 6E Tri-Band Directional Antennas

2x2 and 4x4 MIMO Panel Antennas 2.4-2.5, 4.9-6.0 & 6.0-7.125 GHz

ProSig 2.4-2.5, 5.15-6.0, 6.0-7.125 GHz tri-band directional array panel antennas are specially designed to complement interior or exterior mounted Wi-Fi 6E wireless network systems.

The antennas are supplied with integrated RG58LL plenum-rated cables with RP-SMA connectors for ease of installation.

The supplied mounting bracket allows for either pole/mast mounting or direct wall mount configurations.

FEATURES AND BENEFITS

- Tri-Band Wi-Fi coverage including legacy Wi-Fi, Wi-Fi 6, Wi-Fi 6E and Wi-Fi 7
- 2x2 and 4x4 MIMO options
- High performance beam pattern
- Pole/mast and wall mountable with supplied mounting hardware

APPLICATIONS

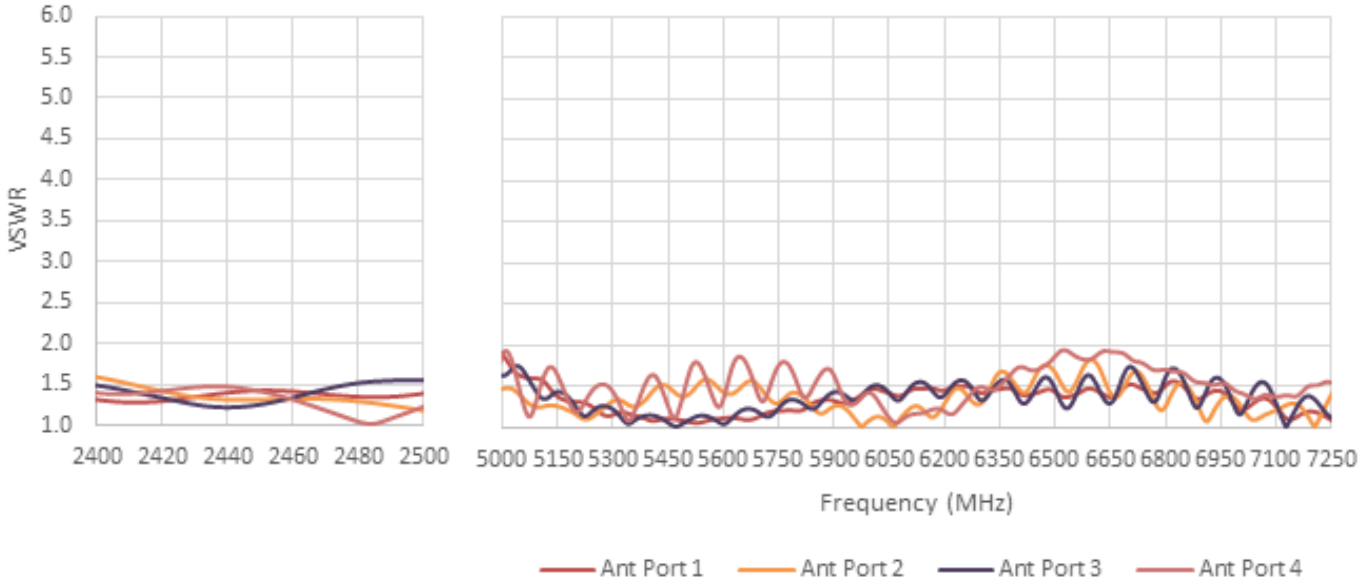
- WLAN
- Wi-Fi - Wi-Fi 7 (802.11be), Wi-Fi 6E (802.11ax), Wi-Fi 6 (802.11ax), Wi-Fi 5 (802.11ac), Wi-Fi 4 (802.11n), 802.11b/g
- Automation and control
- Outdoor and indoor applications

SPECIFICATIONS

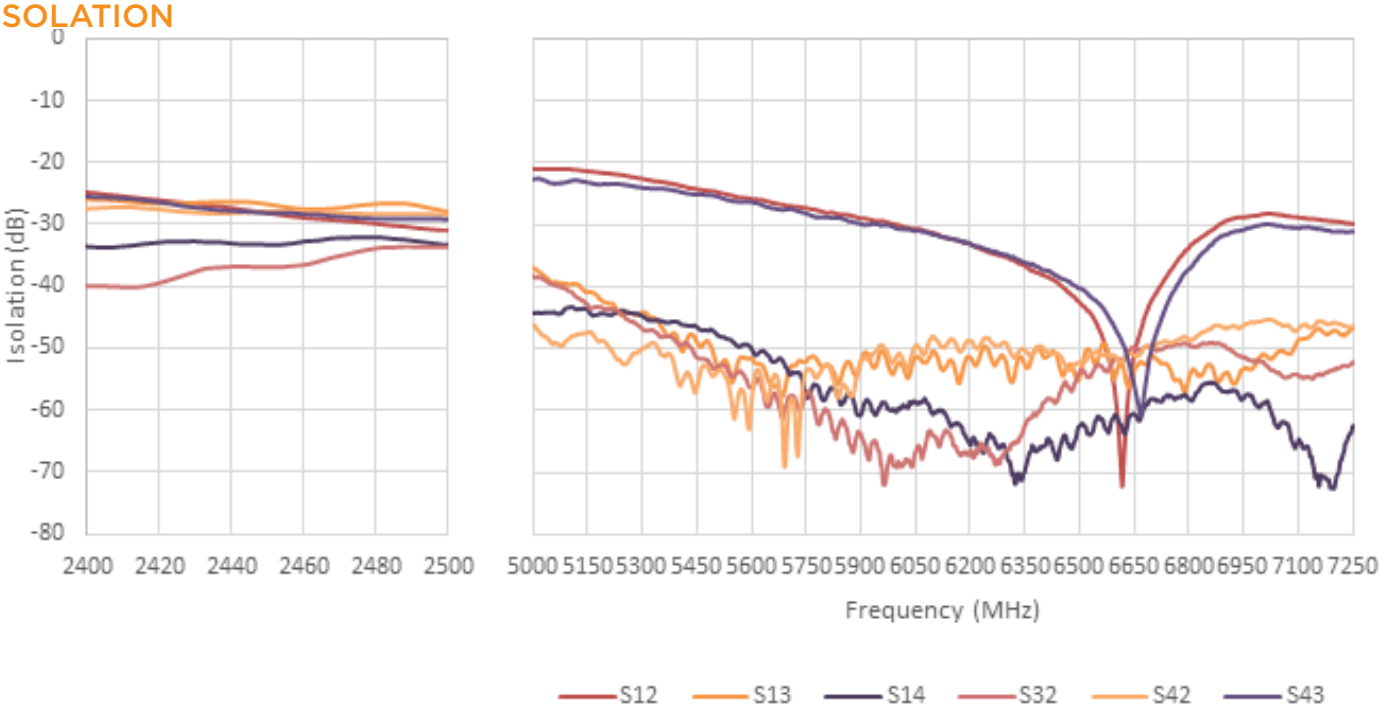
ELECTRICAL SPECIFICATION			
Operating Frequency (MHz)	2400-2500	5150-5900	6000-7125
Peak Gain Max (dBi)	8.3	8.9	9.4
Total Efficiency Average (%)	>70	>60	>50
Average 3 dB Beamwidth (°) Azimuth	73	58	53
Average 3 dB Beamwidth (°) Elevation	56	63	52
Port Isolation dB	-20		
VSWR - Max	<2.0:1		
Nominal Impedance (Ohms)	50		
Max Power - Ambient 25°C (W)	2		
Polarization	Linear, Dual-Slant ±45°/ ±135°		

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VSWR

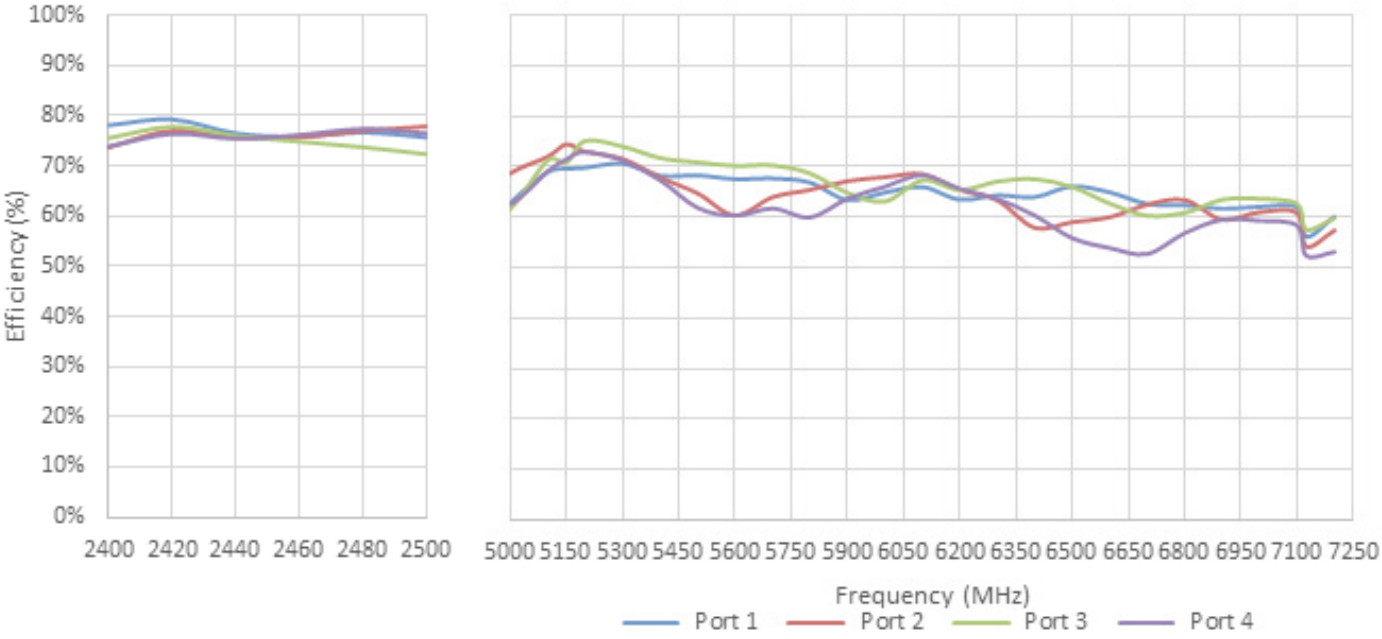


ISOLATION

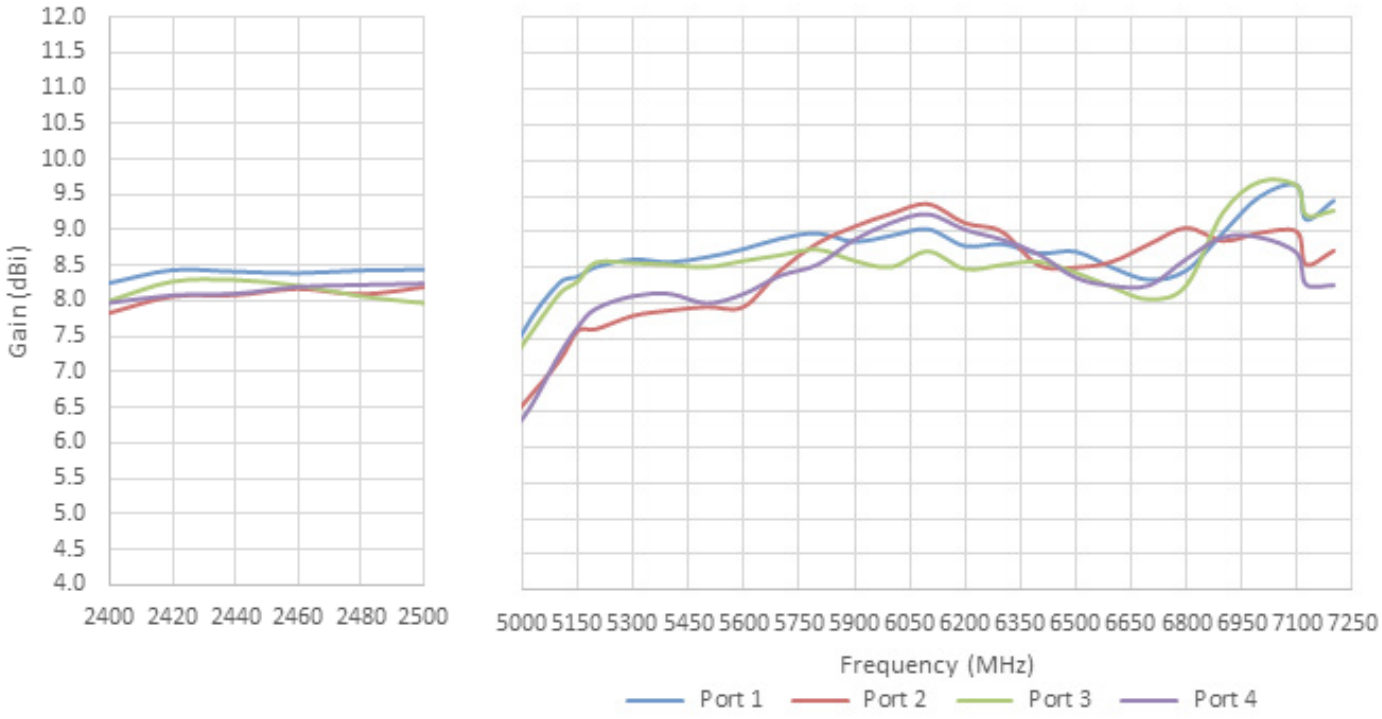


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EFFICIENCY



GAIN



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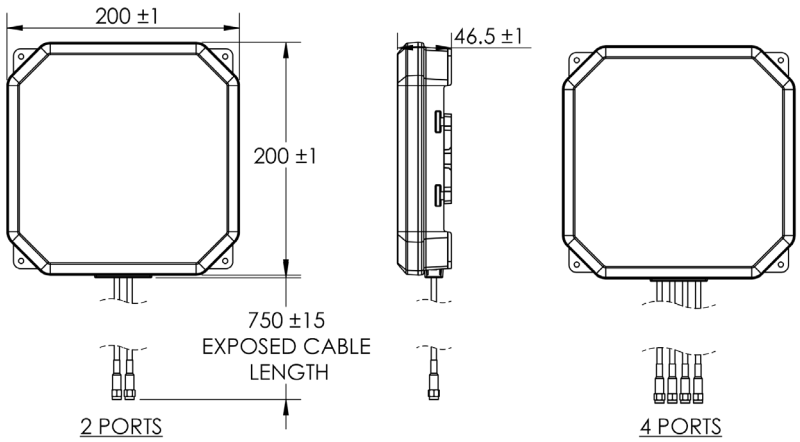
MECHANICAL SPECIFICATION	
Dimensions – L x W x H – mm (in.)	200 x 200 x 46.5 (7.87 x 7.87 x 1.83)
Weight – kg (lbs.)	2-Port - 0.43 (0.95) 4-Port - 0.54 (1.19)
Radome	ASA, Luran S 788T, UV (White)
Cable	750±15 mm PLENUM RATED RG58LL
Connector	RP-SMA
Ingress Protection	IP67
Wind Loading mph (kph)	135 (217)
Vibration	IEC 60068-2-64 (Vibration, broad-band random)
Shock	IEC 60068-2-27
Earthquake	IEC 60068-2-6 [Fc]
Drop Test - Radome	Drop freely from a height of 1m, 5 times, 1 drop per side
Pull Test - Cable	20lbs straight pull with antenna held fixed

ENVIRONMENTAL SPECIFICATION	
Operating Temperature – °C (°F)	-50 to +70°C (-58 to +149°F)
Storage Temperature – °C (°F)	-50 to +85°C (-58 to +149°F)
Material Substance Compliance	RoHS Compliant CE & UKCA

PART NUMBER CONFIGURATIONS

PART NUMBER	PIGTAIL/CABLE	CONNECTOR	NUMBER PORTS
L000962-01	750 ± 15 mm / Plenum Rated RG58LL	2 x RP-SMA Male	2
L000962-02	750 ± 15 mm / Plenum Rated RG58LL	4 x RP-SMA Male	4

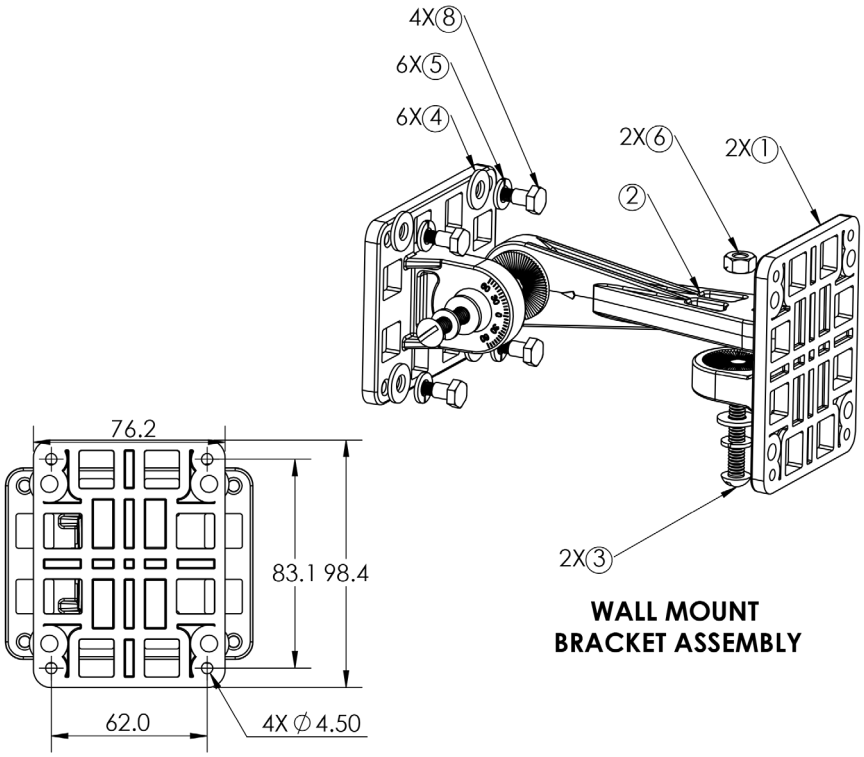
MECHANICAL DRAWINGS



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MOUNTING OPTIONS USING SUPPLIED HARDWARE

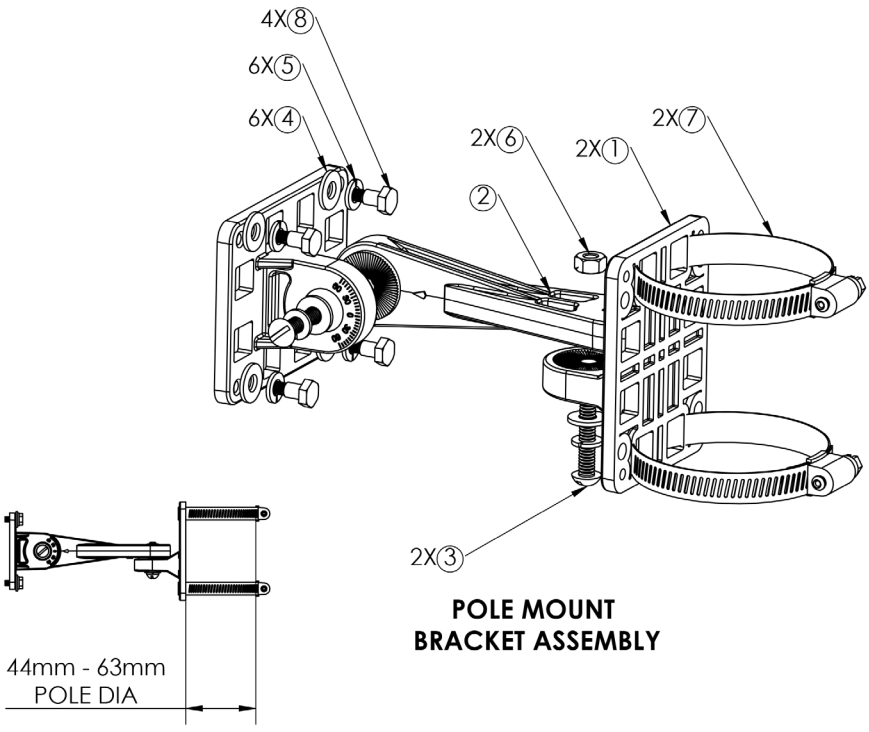
WALL MOUNT



WALL MOUNT BRACKET ASSEMBLY



POLE/MAST MOUNT



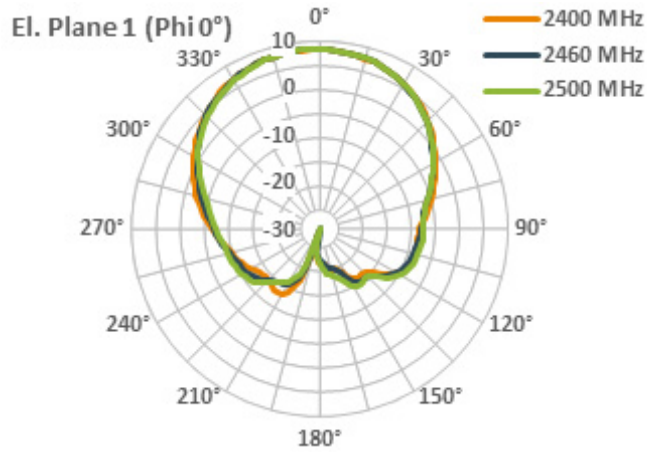
POLE MOUNT BRACKET ASSEMBLY

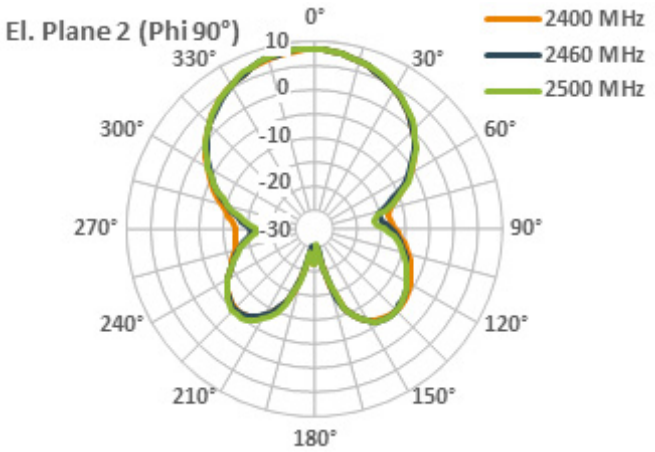


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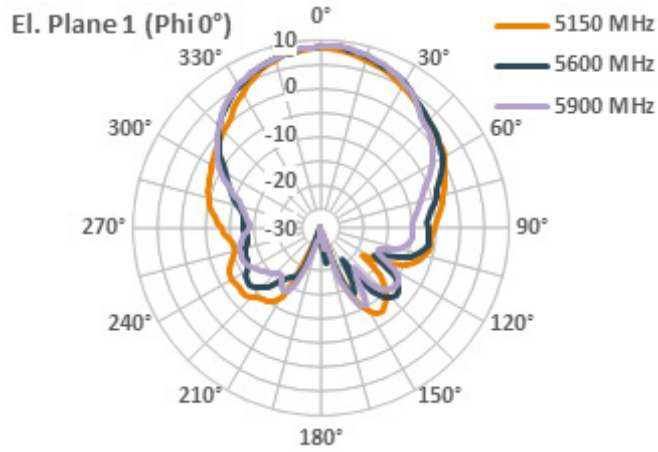
RADIATION PATTERNS - PORT 1

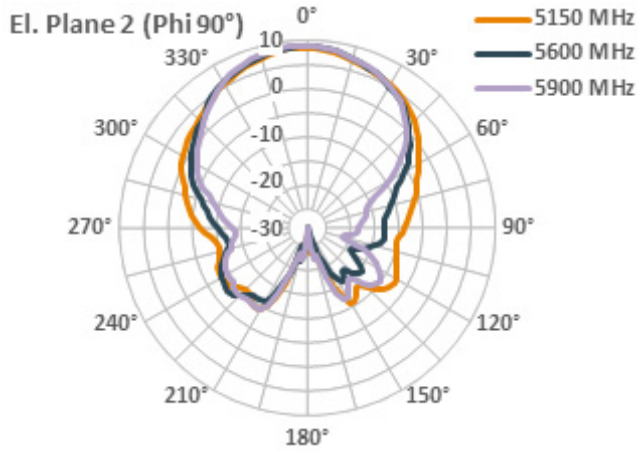
Radiation Patterns at 2.4 GHz Band



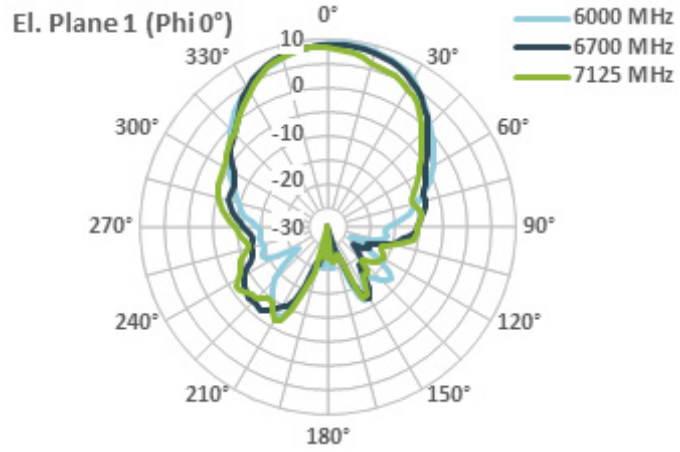


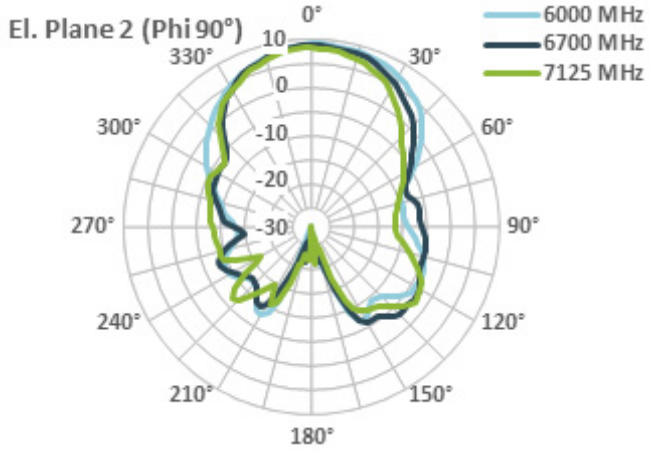
Radiation Patterns at 5 GHz Band





Radiation Patterns at 6 GHz Band

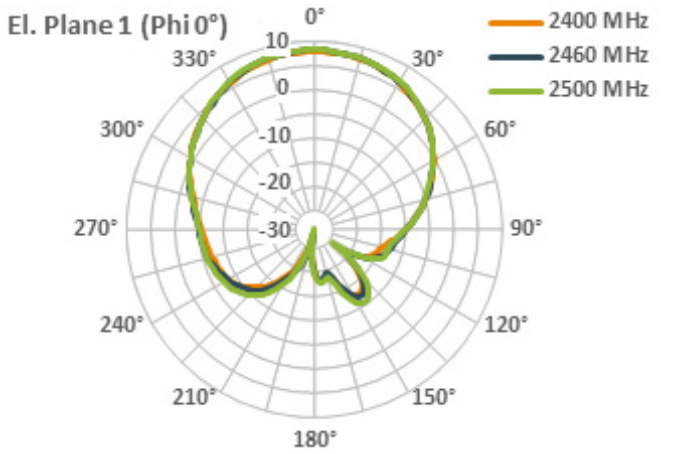


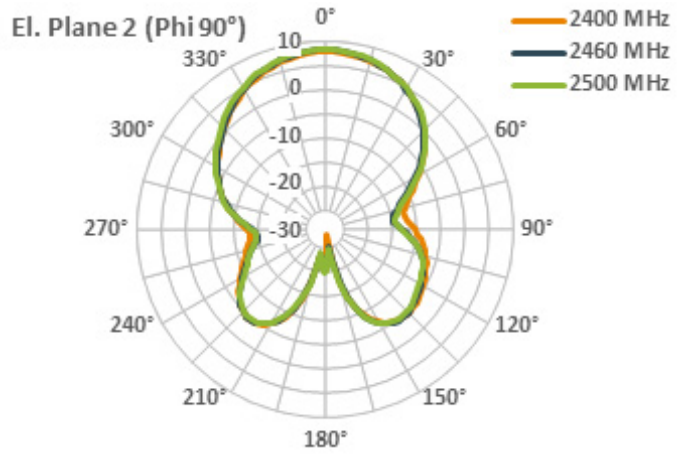


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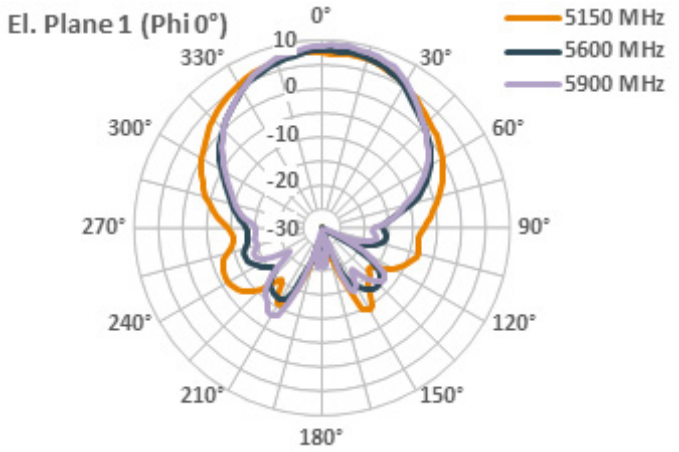
RADIATION PATTERNS - PORT 2

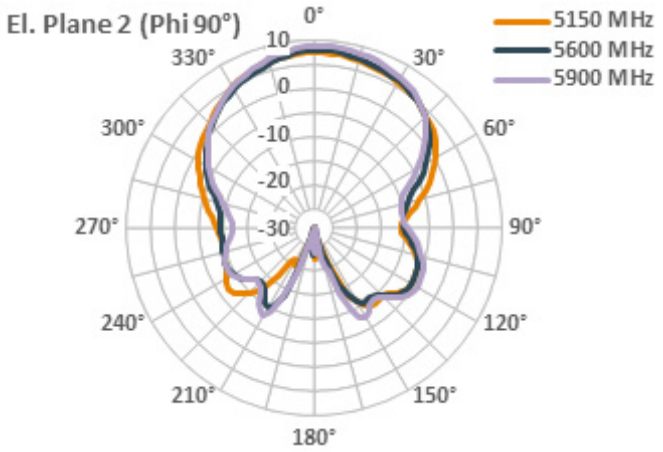
Radiation Patterns at 2.4 GHz Band



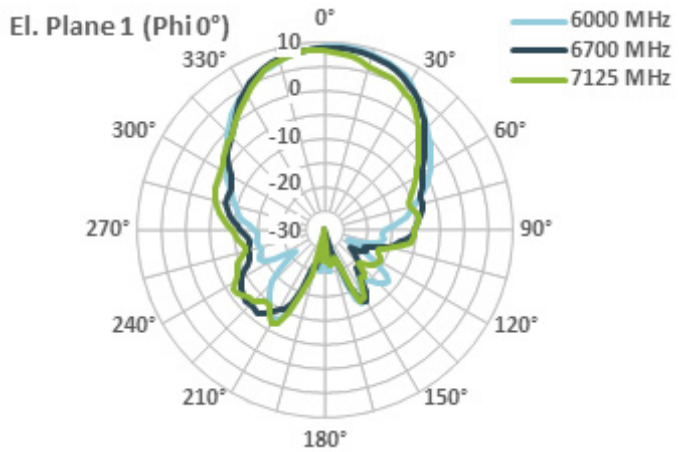


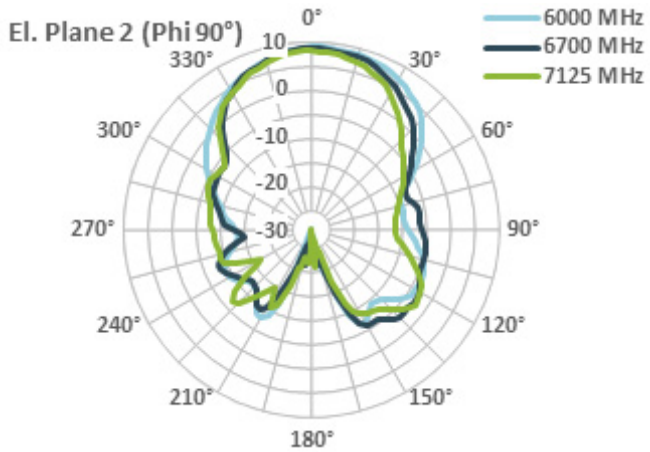
Radiation Patterns at 5 GHz Band





Radiation Patterns at 6 GHz Band

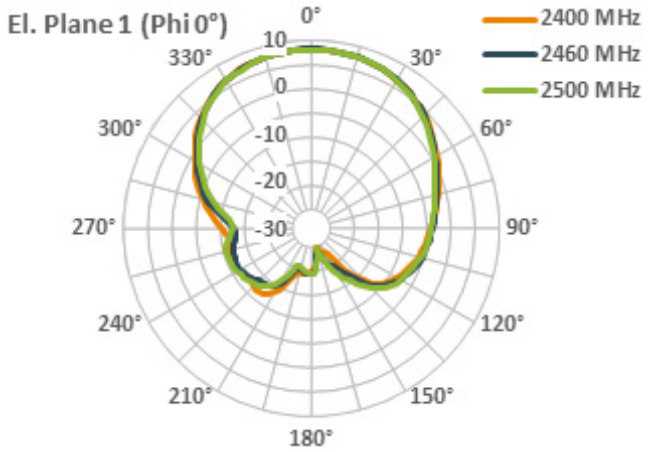


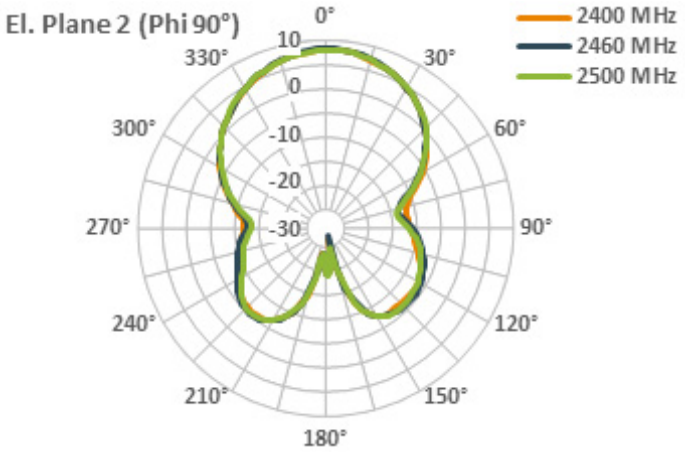


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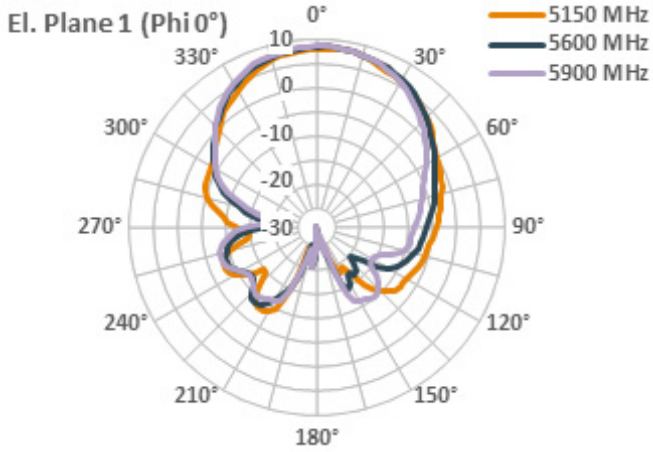
RADIATION PATTERNS - PORT 3

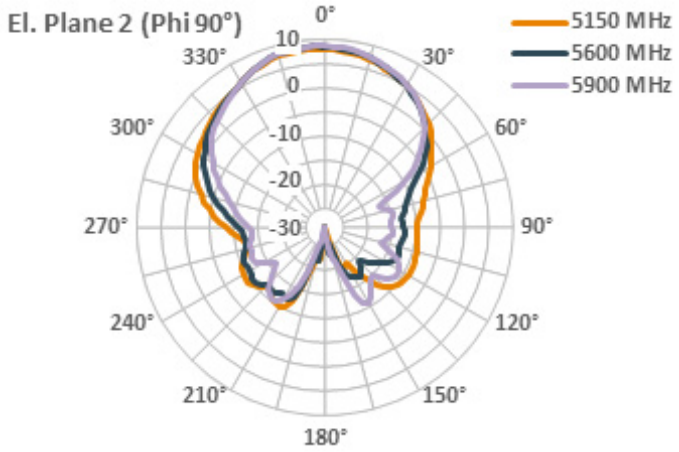
Radiation Patterns at 2.4 GHz Band



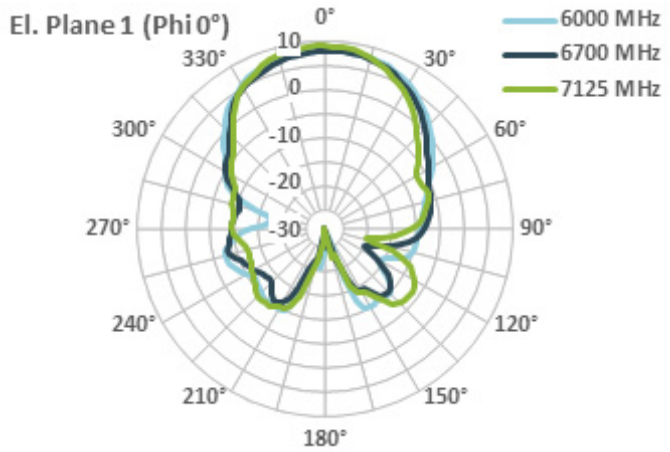


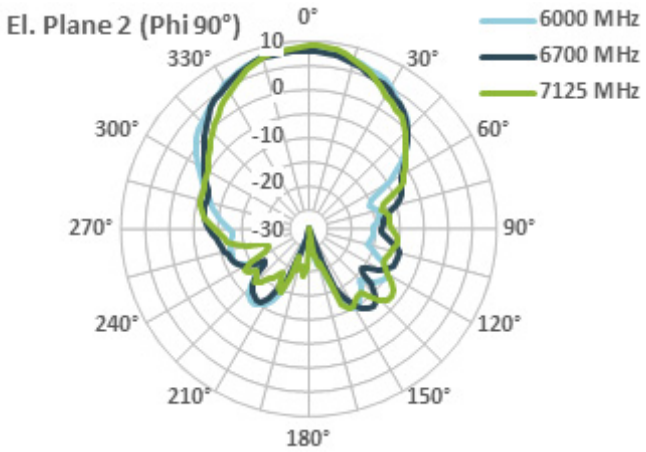
Radiation Patterns at 5 GHz Band





Radiation Patterns at 6 GHz Band

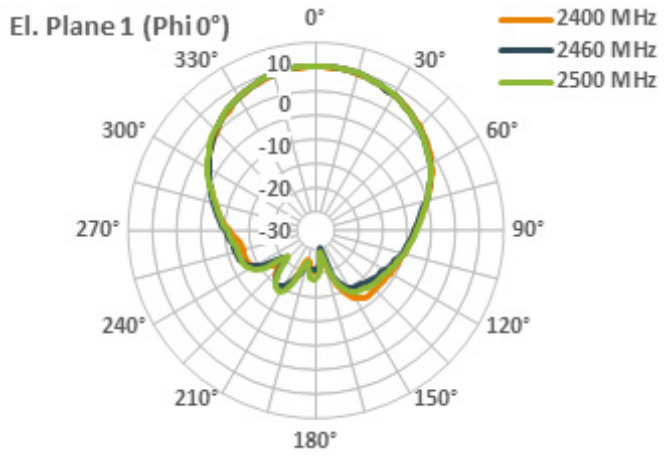


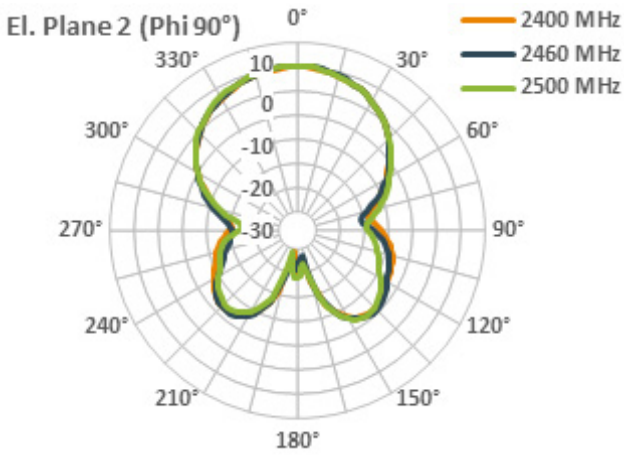


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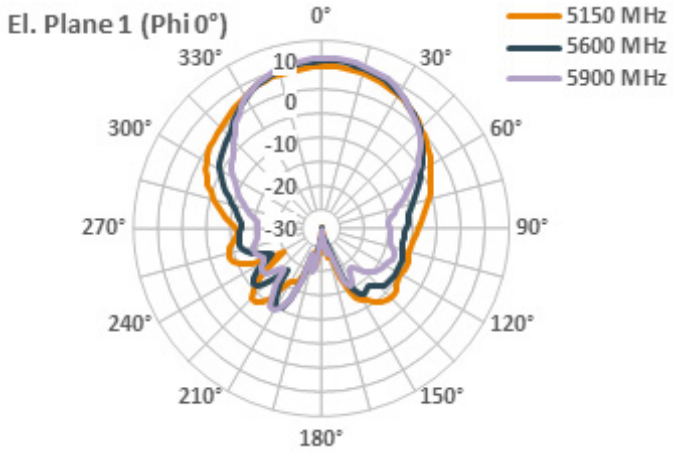
RADIATION PATTERNS - PORT 4

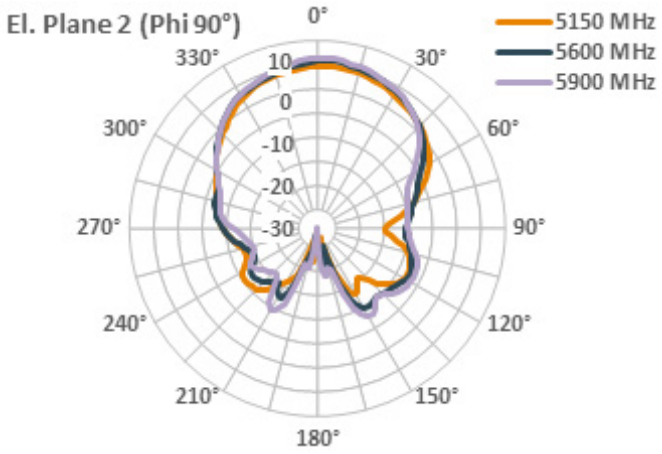
Radiation Patterns at 2.4 GHz Band



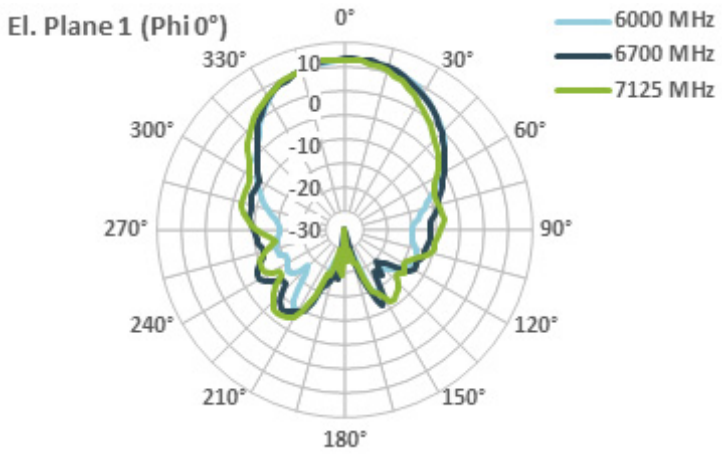


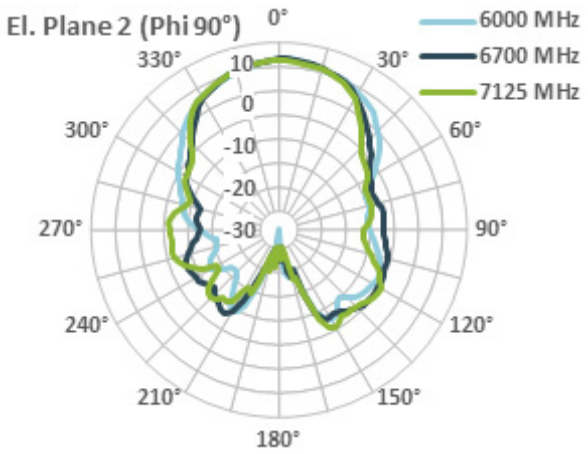
Radiation Patterns at 5 GHz Band





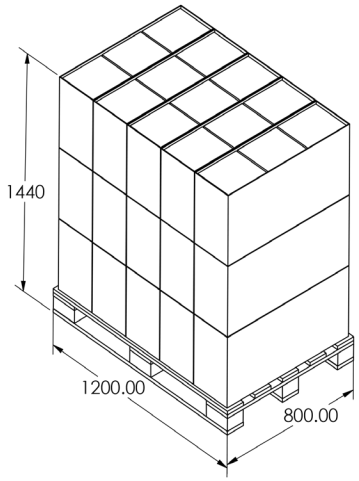
Radiation Patterns at 6 GHz Band



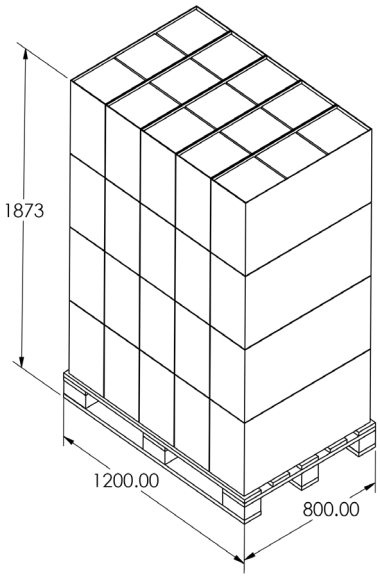


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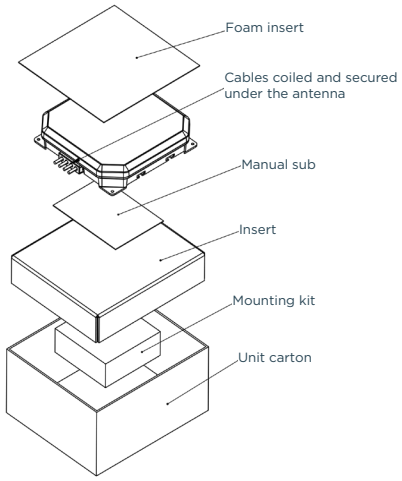
PACKING INFORMATION



Air Shipment



Ocean Shipment



PACKAGED DIMENSIONS	Unit Carton	MASTER CARTON	AIR PALLET	OCEAN PALLET
Number of Antennas	1	9	135	180
Height mm (in)	13.4 (5.3)	43.0 (16.9)	144.0 (56.7)	187.3 (73.7)
Length mm (in)	24.4 (9.6)	77.0 (30.3)	120.0 (47.2)	120.0 (47.2)
Width mm (in)	21.4 (8.4)	23.0 (9.1)	80.0 (31.5)	80.0 (31.5)
Est. Shipping Weight kg (lbs.)	0.8 (1.8)	7.2 (15.9)	108.0 (238.1)	144.0 (317.5)

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