

SHKG-7-27-T24-58

Shark-Fin All-in-One Wi-Fi 6E & 4G/5G MIMO Antenna with GNSS



Applications

- IEEE 802.11 a/b/g/n/ac/ax AP & Routers
- Wi-Fi 2.4 / 5 / 6 GHz (Wi-Fi 6E 지원)
- LTE (4G) & 5G Sub-6 GHz Cellular
- 2x2 MIMO Wireless Communication Systems
- Industrial Wireless Infrastructure

Features

- Wi-Fi 6E 및 4G/5G 광대역 지원
- 차량 탑재에 적합한 샤크형 안테나
- IP69K 등급의 방진·방수 설계
- 2 m 길이의 일체형 안테나 케이블
- 4G/5G : SMA Male
- Wi-Fi: SMA Female
- GPS/GNSS: FME Female

Specifications

Electrical Specifications

주파수 범위 / 이득값	2.3 ~ 2.7 GHz / 약 4 ~ 6 dBi 3.3 ~ 4.2 GHz / 약 7 ~ 9 dBi 5.1 ~ 7.1 GHz / 약 8 ~ 10 dBi
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방사패턴	Omni-directional
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수평 빔폭	360°
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Impedance	50 Ohm
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VSWR	< 2.0 : 1 (Typical)
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MIMO 구성	2x2
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Mechanical Specifications

안테나 형상	저프로파일 샤크형 안테나
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재질	LEXAN EXL9330
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케이블 / 커넥터	1M 일체형 케이블 4G/5G: SMA Male Wi-Fi: SMA Female GPS/GNSS: FME Female
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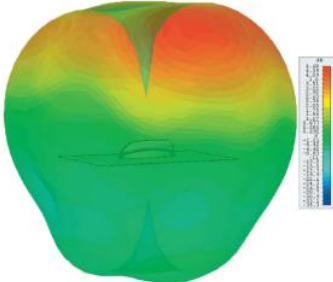
동작 온도	- 40°C ~ + 80°C
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방진·방수 등급	IP66
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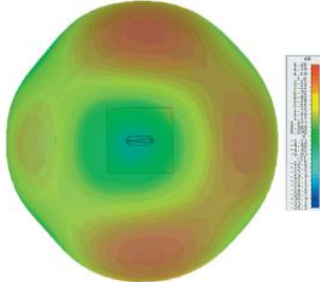
RF 무선 패턴 LTE

3D Radiation Patterns - Cell / LTE Elements 2&3

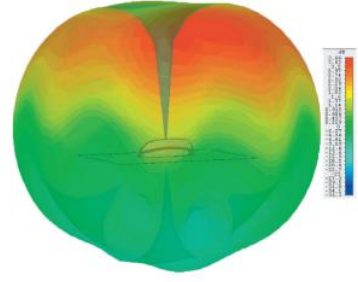
3D Gain Plot Side (700MHz)



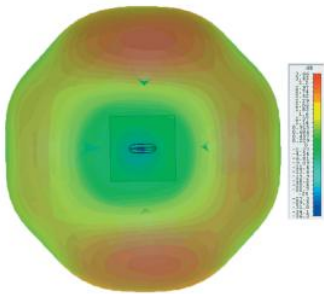
3D Gain Plot Top (700MHz)



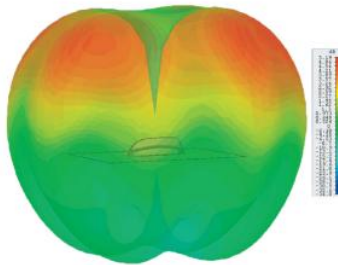
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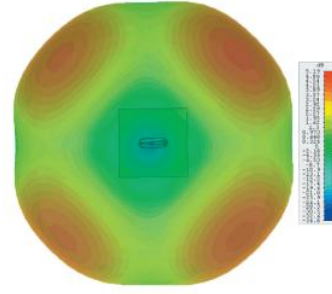
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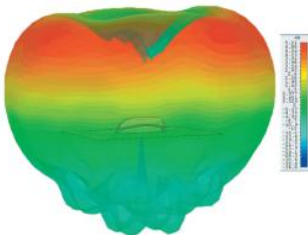
3D Gain Plot Side (900MHz)



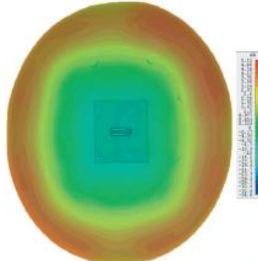
3D Gain Plot Top (900MHz)



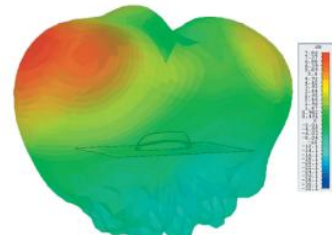
3D Gain Plot Side (1800MHz)



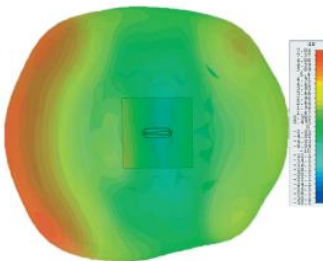
3D Gain Plot Top (1800MHz)



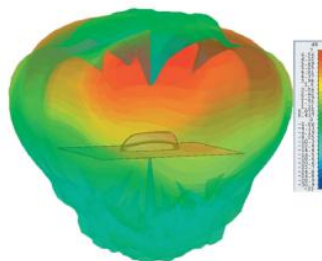
3D Gain Plot Side (2100MHz)



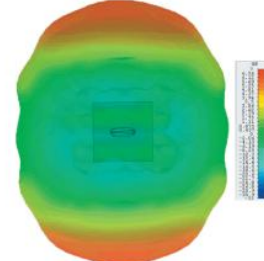
3D Gain Plot Top (2100MHz)



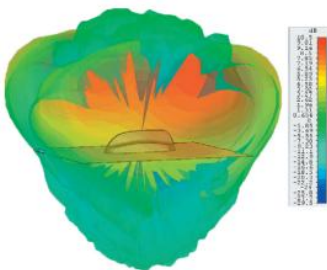
3D Gain Plot Side (2600MHz)



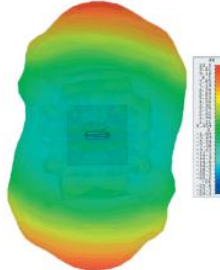
3D Gain Plot Top (2600MHz)



3D Gain Plot Side (3600MHz)



3D Gain Plot Top (3600MHz)

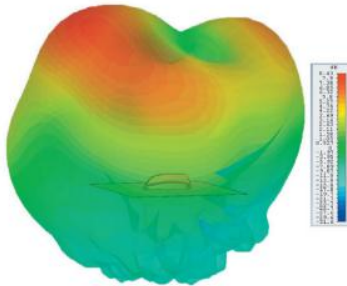


SHKG-7-27-T24-58

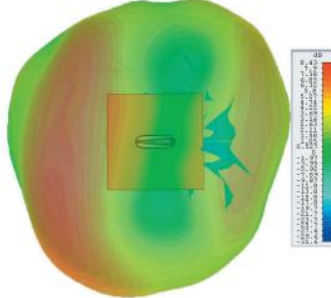
RF 무선 패턴 WI-FI

Typical 3D Radiation Patterns - Wifi Elements 4&5

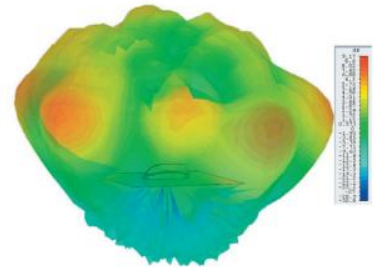
3D Gain Plot Side (2.4GHz)



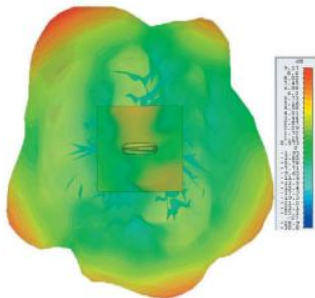
3D Gain Plot Top (2.4GHz)



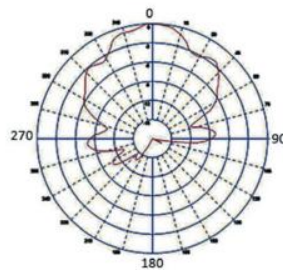
3D Gain Plot Side (5.4GHz)



3D Gain Plot Top (5.4GHz)

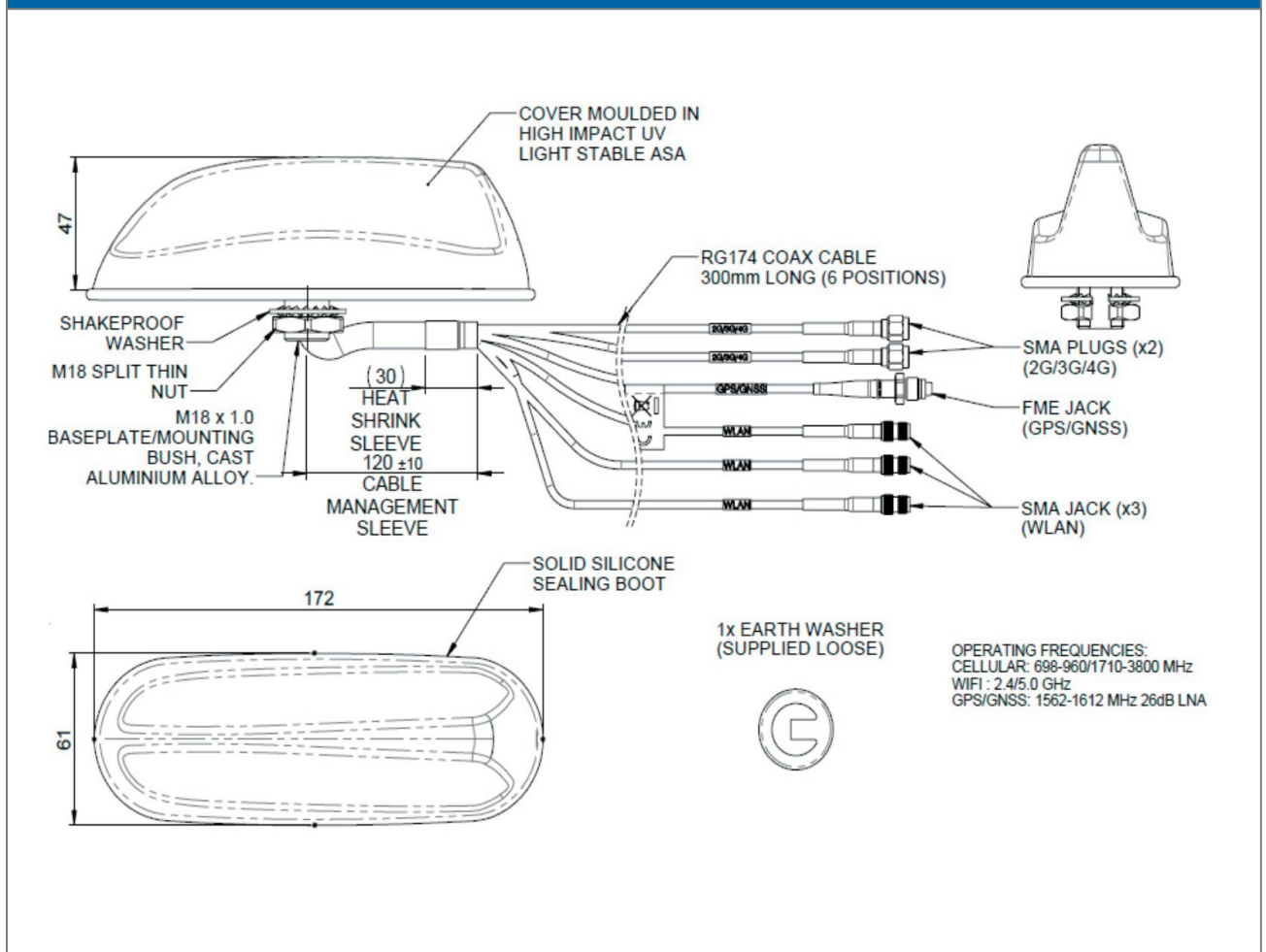


Typical Radiation Patterns - GPS/GNSS Element 1



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Technical Drawing



※ 본 제품은 2x2 MIMO 제품으로 3x3 MIMO 제품 문의 등의 옵션 변경 문의는 별도 연락 바랍니다.