Gen-3 BG Antenna Report

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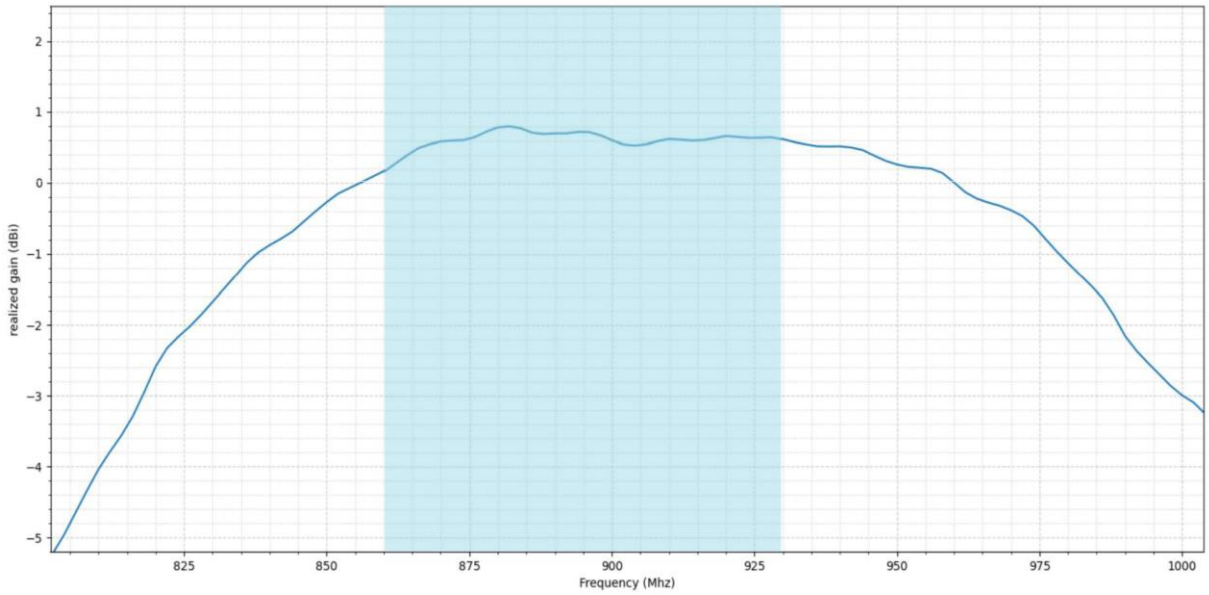
Antenna Details

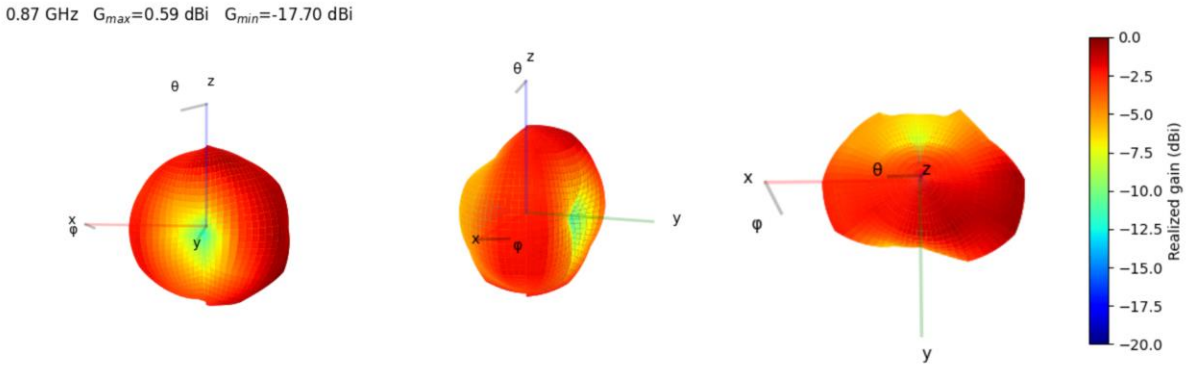
Manufacturer: Dryad Networks GmbH
Address: Eisenbahnstr. 37, 16225 Eberswalde, Germany

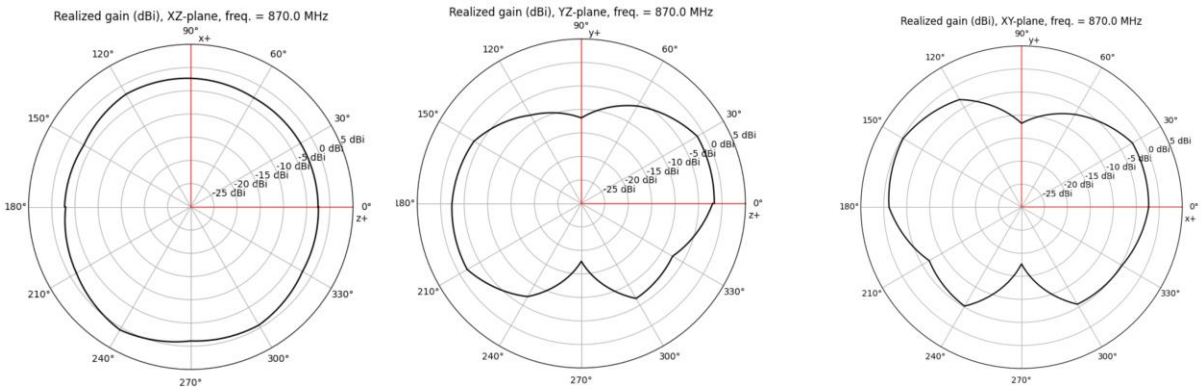
	Brand	Model Name	Maximum Gain
Lora	Dryad	LORA01Gen-3	0.7 dBi
LTE	Dryad	LTE01Gen-3	3.5 dBi
Satellite	Dryad	Satellite01Gen-3	3.4 dBi
GNSS	Dryad	GPS01Gen-3	1.7 dBi
NFC	Dryad	NFC01Gen-3	-

Lora

		Gain (dBi)
Europe 863–870/873 MHz	**EU868:**	**0.6±0.2**
North America 902–928 MHz	**US915:**	**0.7±0.05**

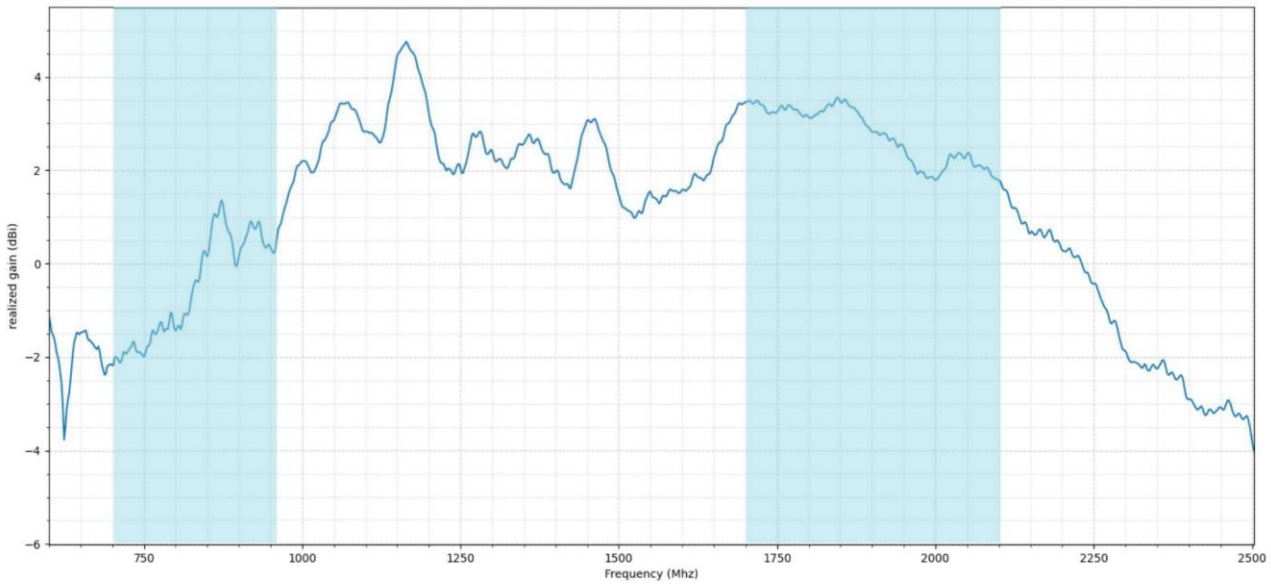


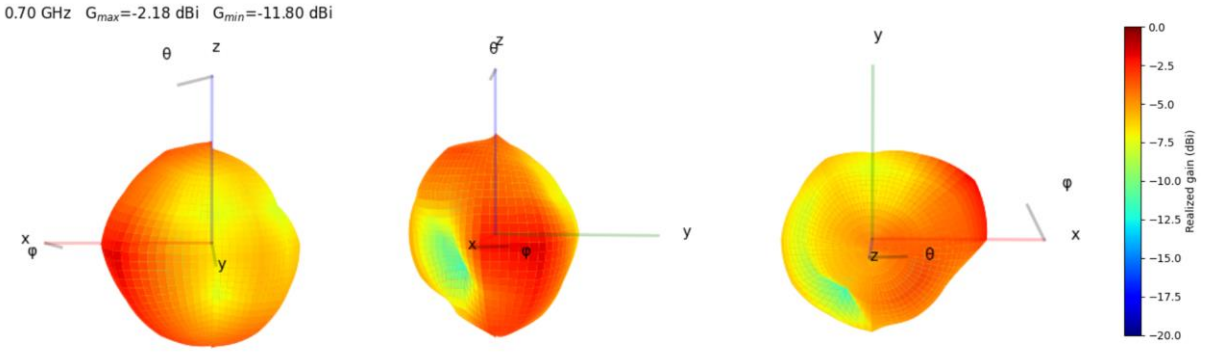


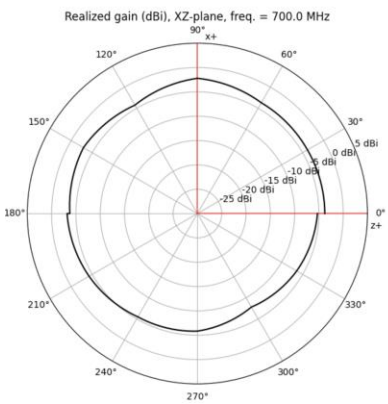


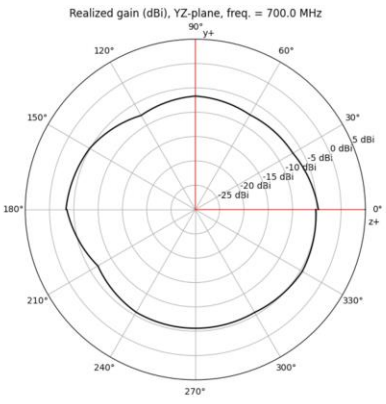
LTE

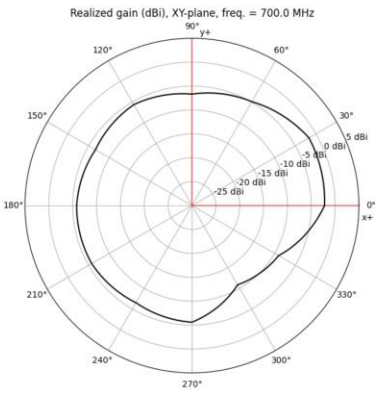
	Frequency Range (MHz)	Gain (dBi)
P-GSM 900	**890 - 915**	**0.8±0.2**
DCS 1800	**1710 - 1785**	**3.5±0.2**
LTE B1	**1920 - 1980**	**2.8±0.5**
LTE B3	**1710 – 1785**	**3.5±0.2**
LTE B8	**880 – 915**	**0.9±0.2**
LTE B20	**832 – 862**	**1.1±0.2**
LTE B28	**703 - 748**	**-1.7±0.2**





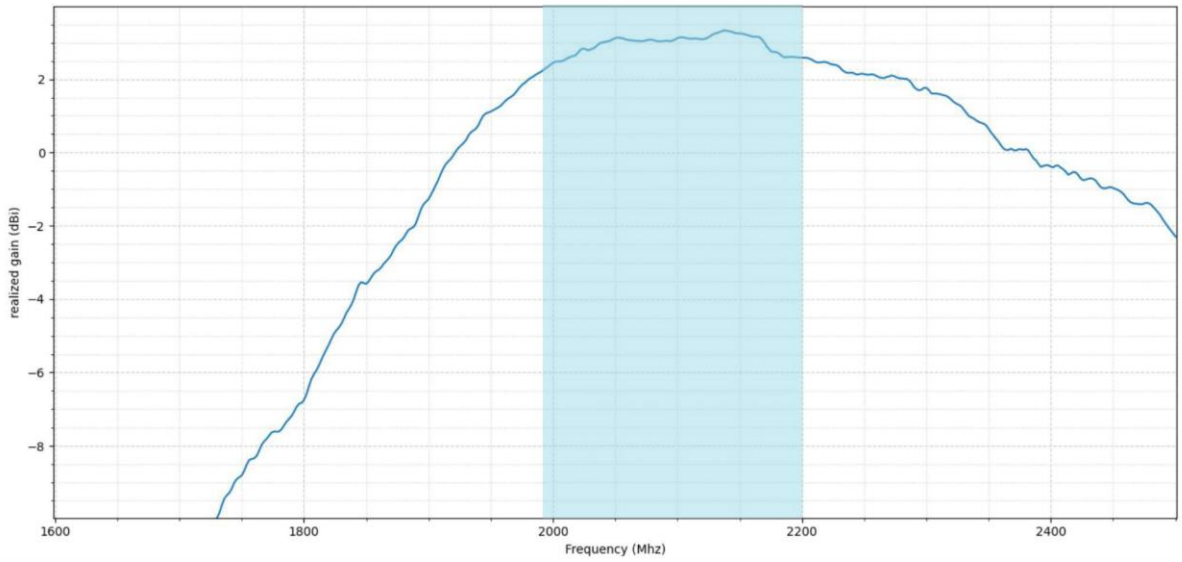




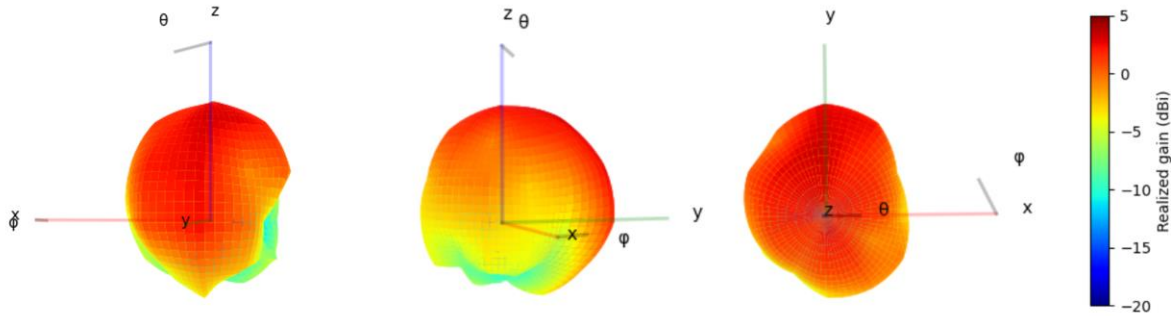


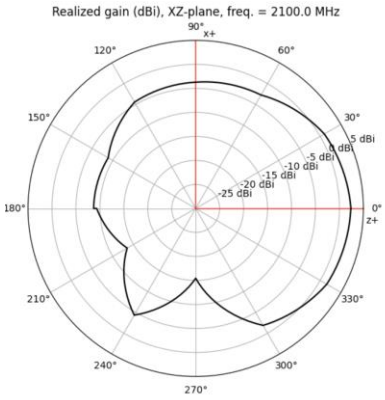
Satellite

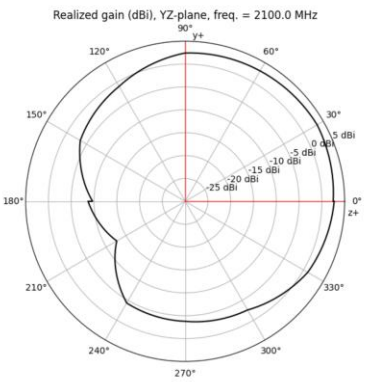
	Frequency Range (GHz)	Gain (dBi)
S-band	**1.98-2.2**	**3.4**

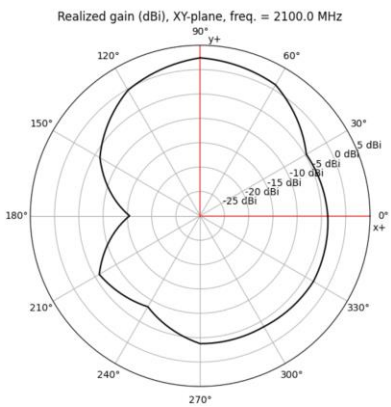


2.10 GHz G_{max}=3.12 dBi G_{min}=-17.70 dBi



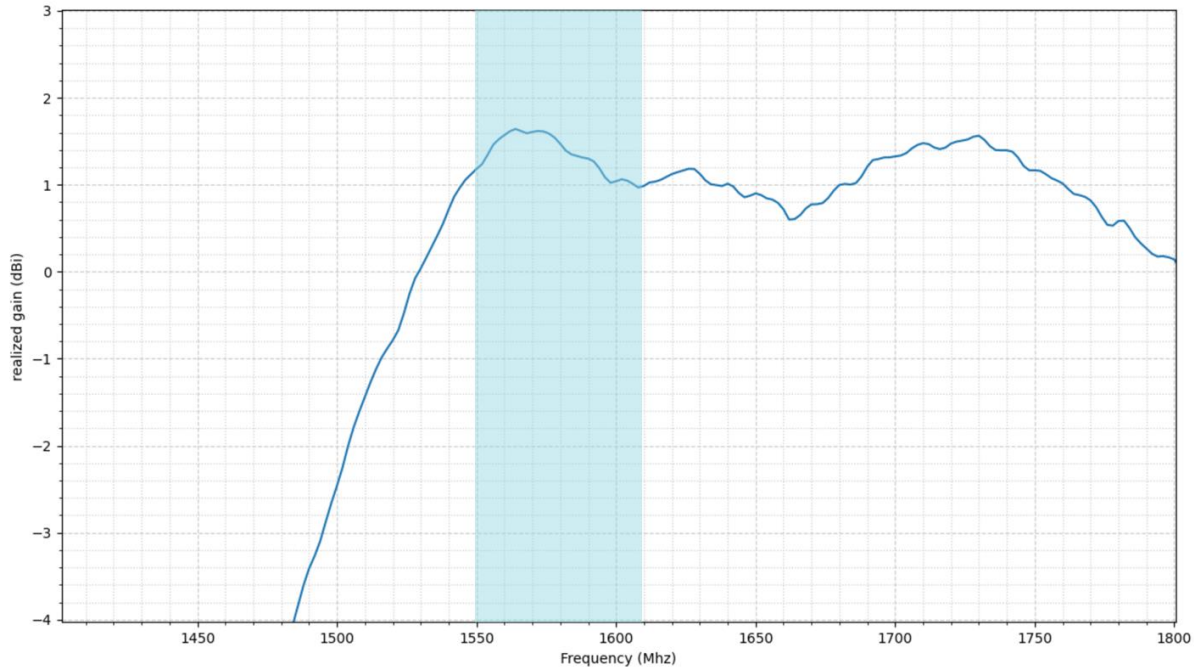




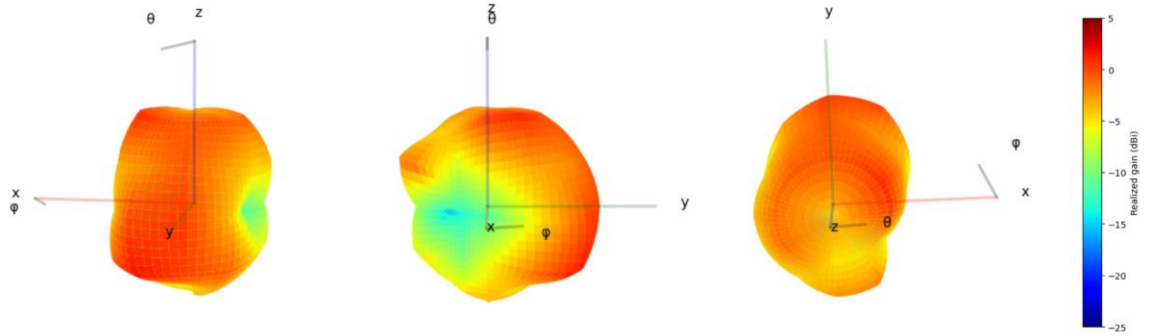


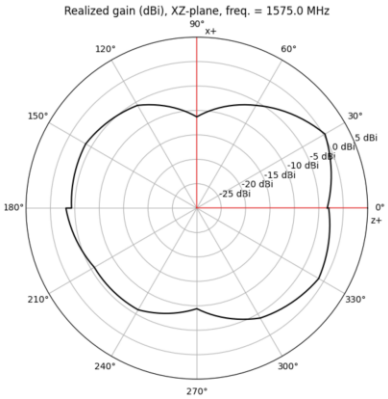
GNSS

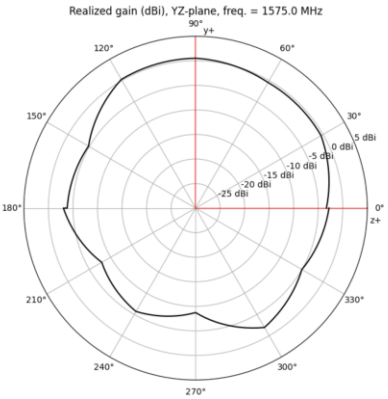
	Frequency Range (GHz)	Gain (dBi)
GNSS	**1.55-1.61**	**1.7**

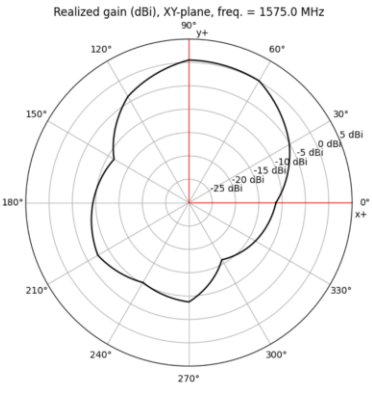


1.57 GHz G_{max}=1.61 dBi G_{min}=-14.20 dBi









Radiation pattern coordinates