

Gen-3 BG Antenna Report

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Antenna Details

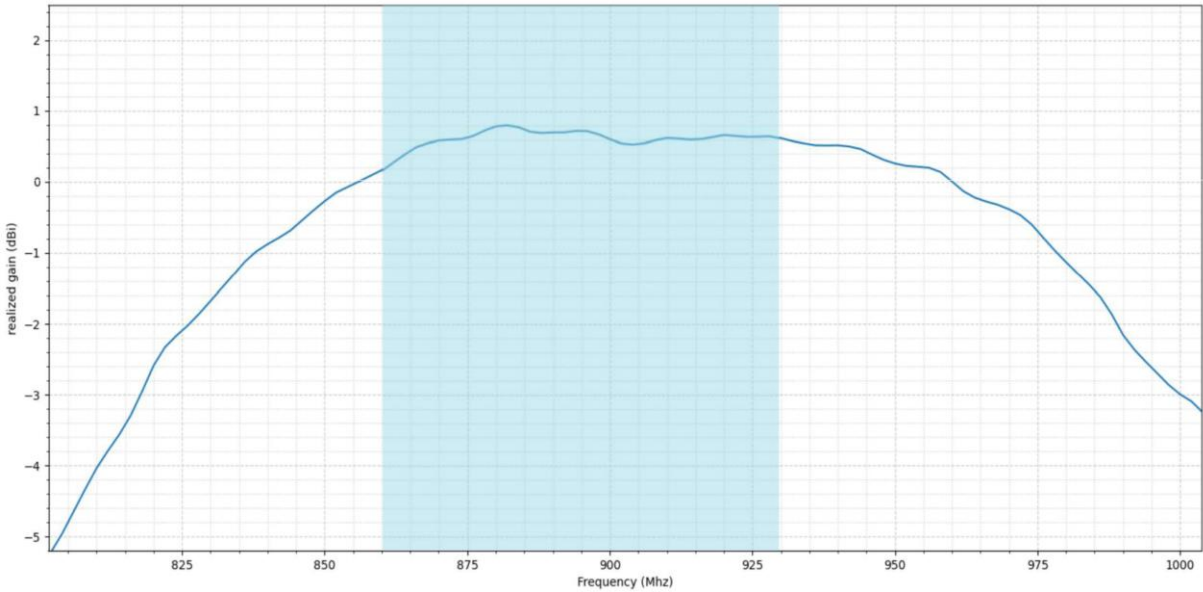
Manufacturer: Dryad Networks GmbH

Address: Eisenbahnstr. 37, 16225 Eberswalde, Germany

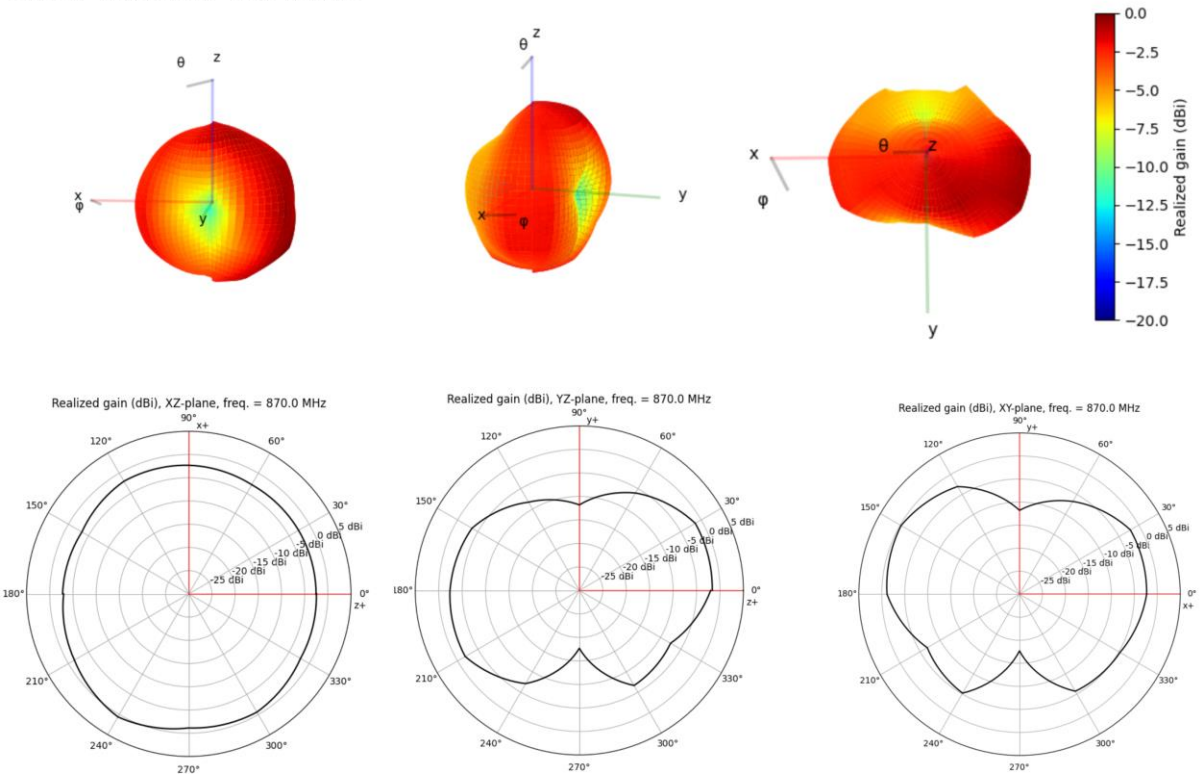
	Brand	Model Name	Maximum Gain
Lora	Dryad	LORA01Gen-3	0.7 dBi
LTE	Dryad	LTE01Gen-3	3.5 dBi
Satellite	Dryad	Satellite01Gen-3	3.4 dBi
GNSS	Dryad	GPS01Gen-3	1.7 dBi
NFC	Dryad	NFC01Gen-3	-

Lora

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

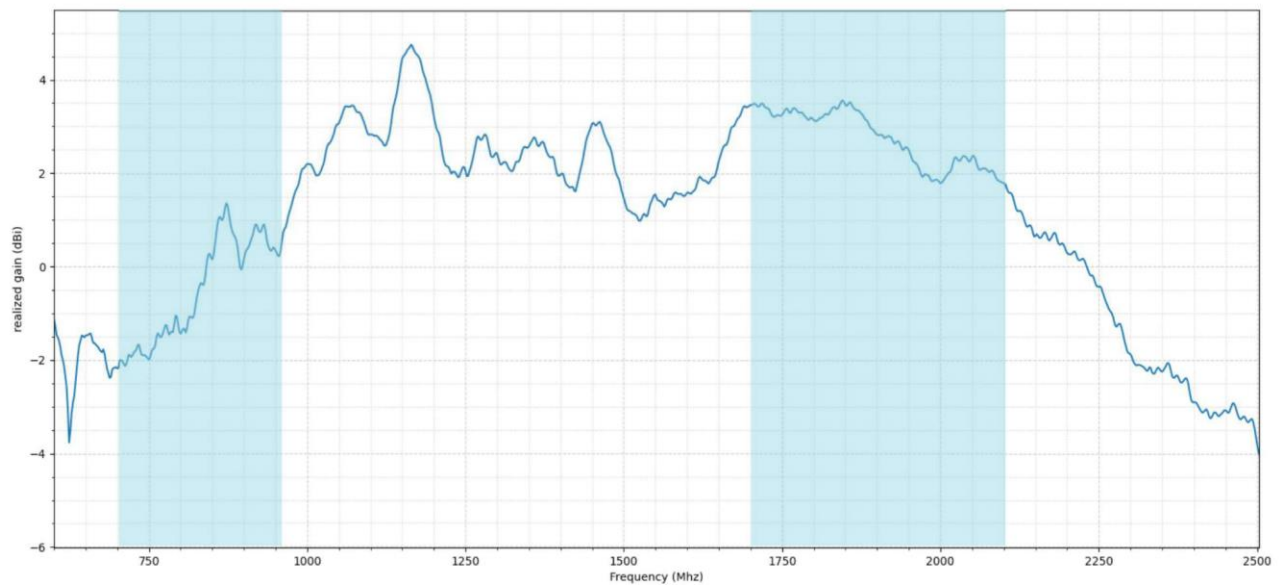


0.87 GHz $G_{max}=0.59$ dBi $G_{min}=-17.70$ dBi

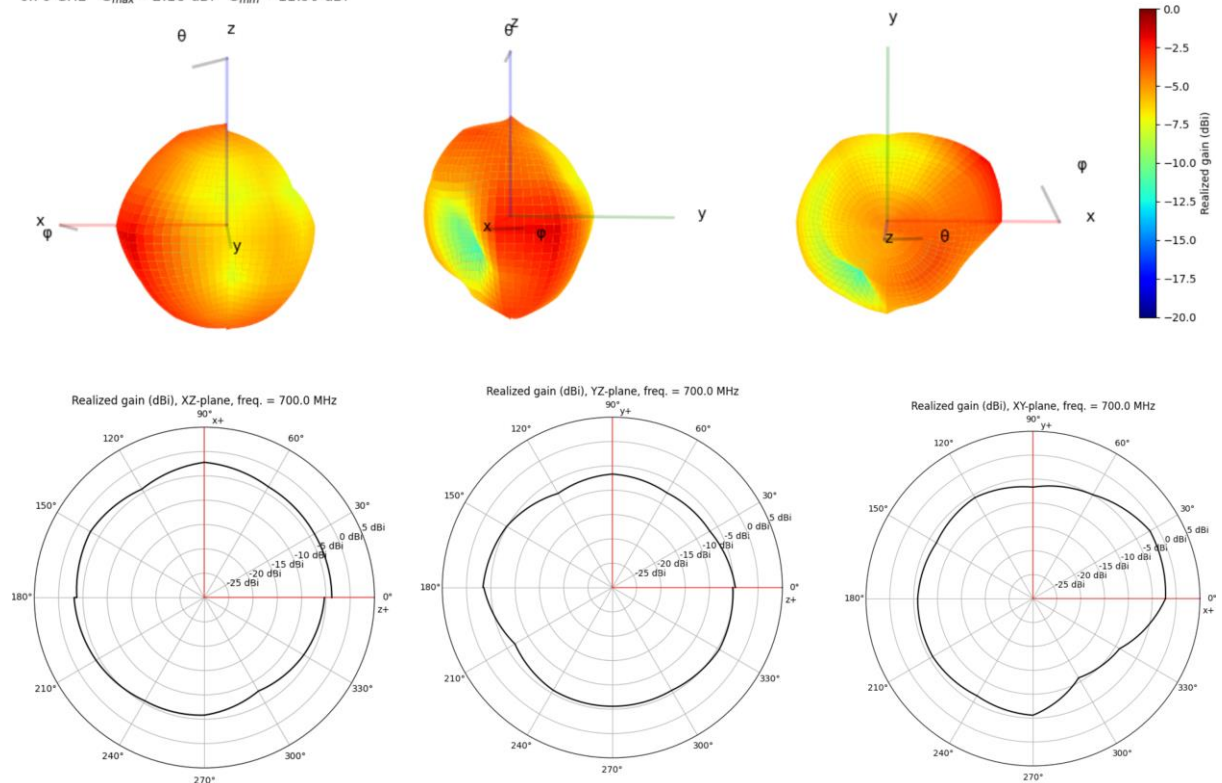


LTE

	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

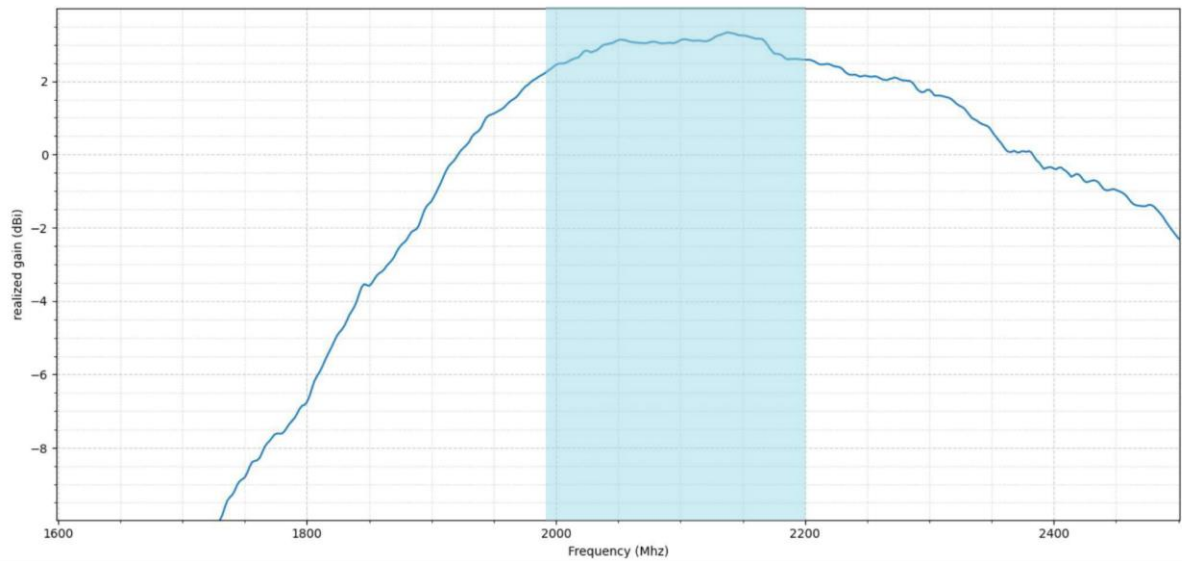


0.70 GHz $G_{max} = -2.18$ dBi $G_{min} = -11.80$ dBi

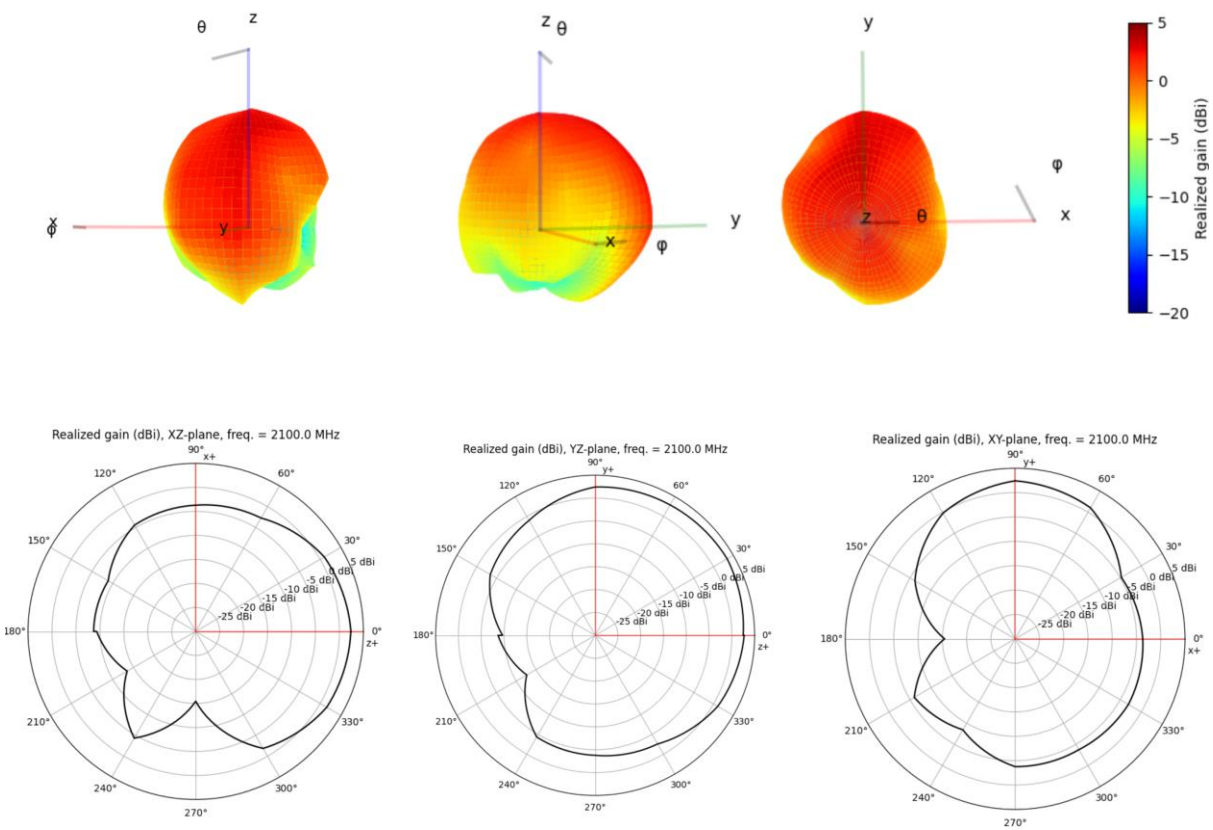


Satellite

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

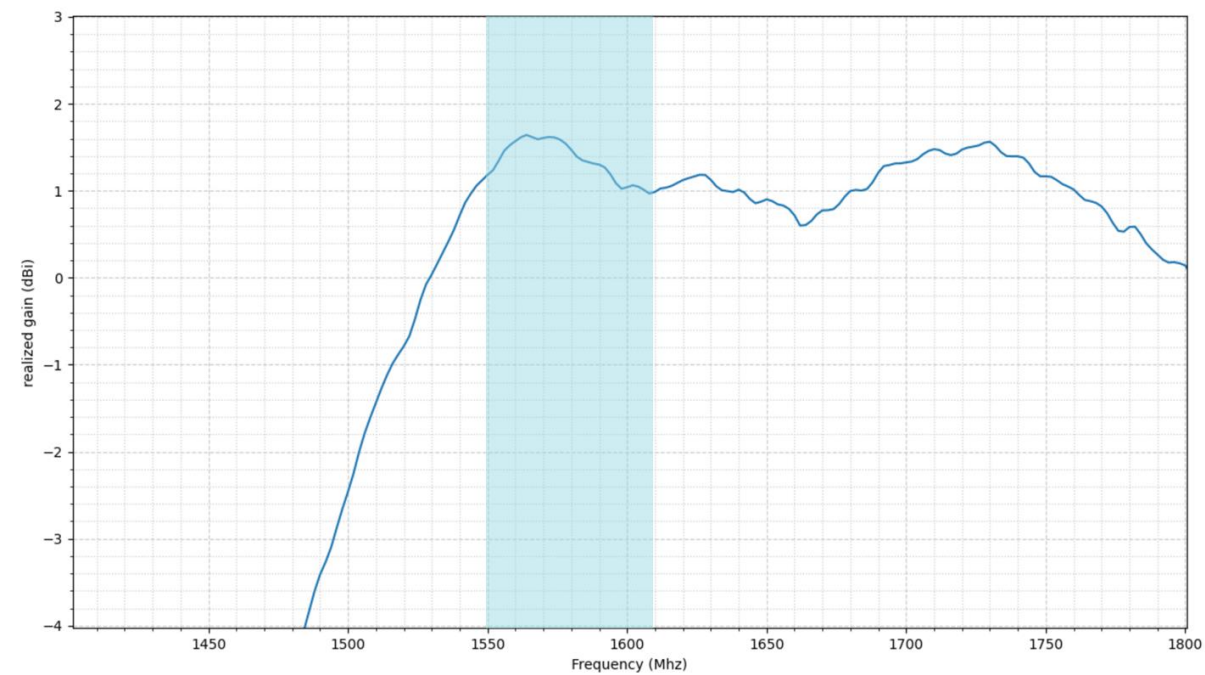


2.10 GHz G_{max} =3.12 dBi G_{min} =-17.70 dBi

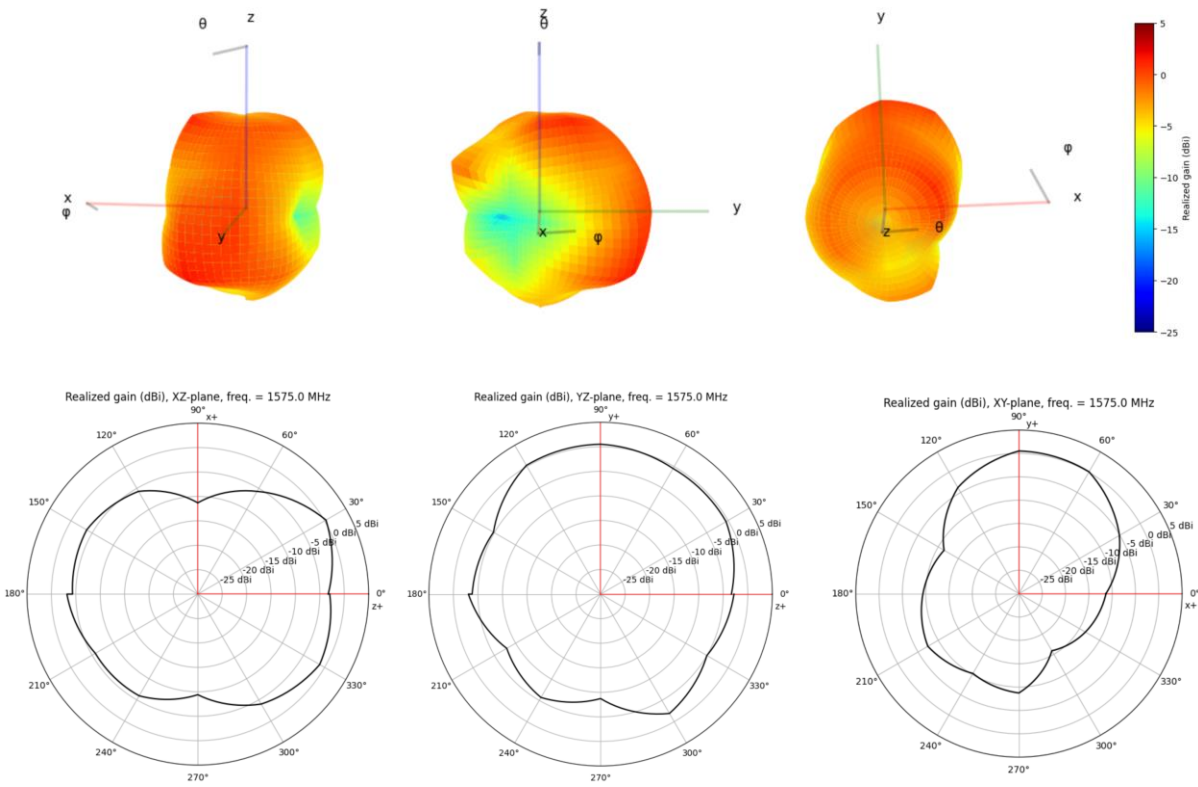


GNSS

	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

