

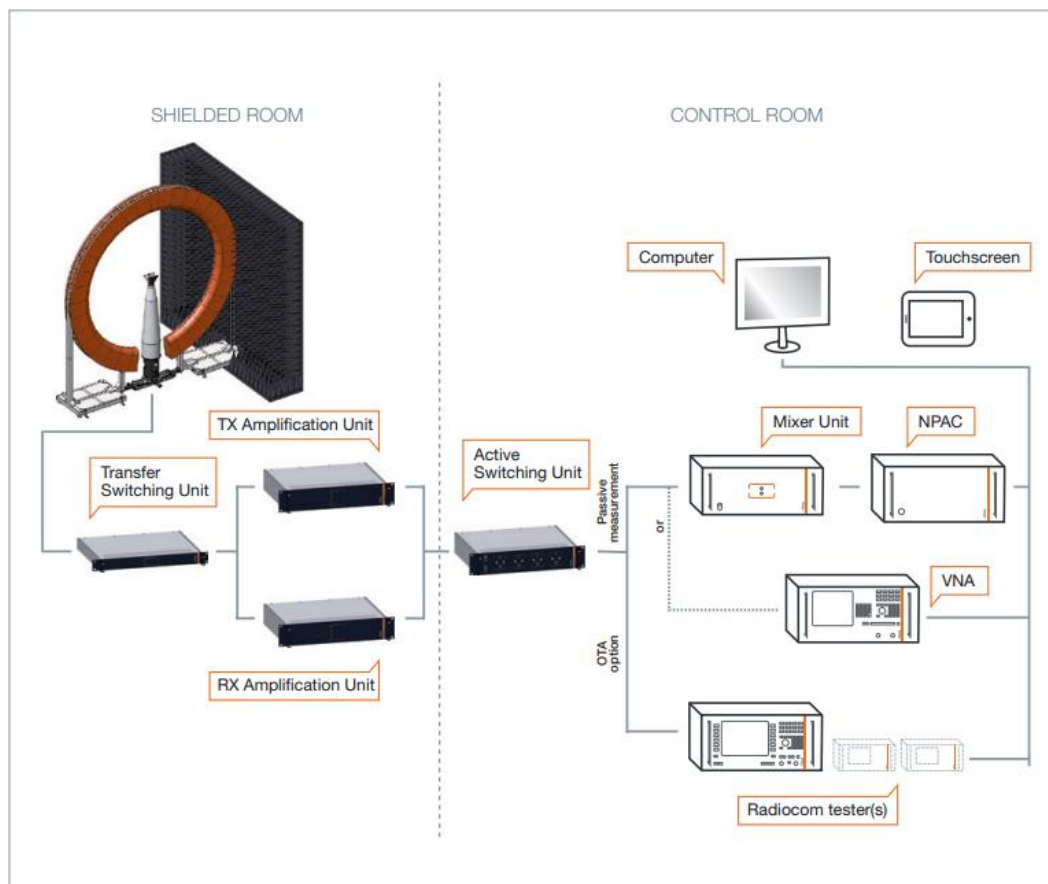
RN System (Multiband) Antenna Test Report

Model No.: GXRN8356910

Report Date: Sep 9th 2026

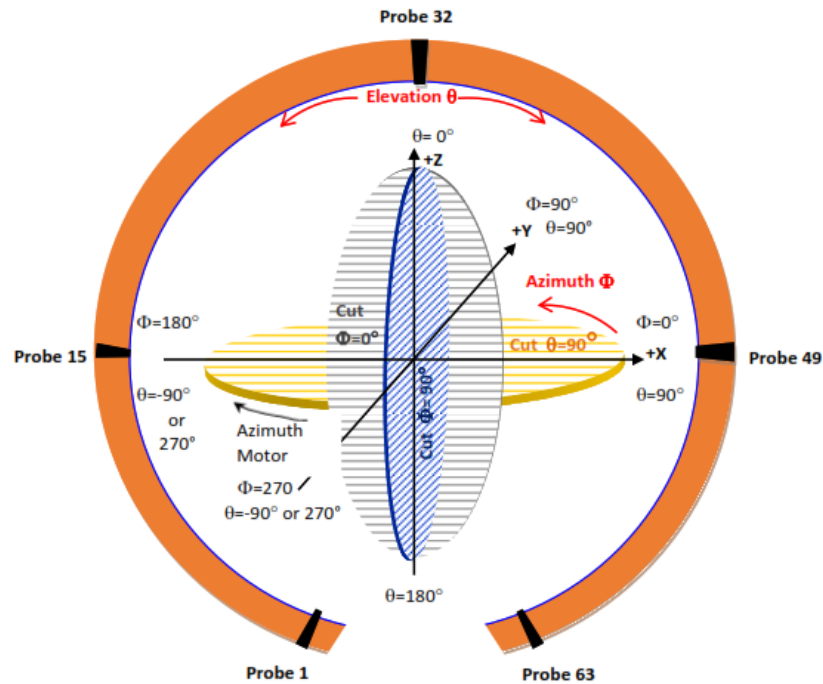
1. Antenna Test Lab Information

- Lab Name: MVG, Inc.
- Address: 450 Franklin Gateway, Suite 100, Marietta, GA, 30067.
- [Certification](#): MVG is ISO 9001 and 17025 certified, and A2LA accredited, and offers NIST traceable antenna measurements. MVG is also a CTIA Authorized Test Laboratory (CATL) for Over the Air (OTA) active measurements.
- Test system: SG 64-S spherical near-field measurement system
- Frequency measurement range: SG64 frequency range of operation is from 400MHz to 6.0 GHz. The frequency range from 6.0 to 18.0 GHz is covered via an indoor far-field chamber.
- EUT measurement method: Gain-transfer or Substitution Method.
- For more detailed information about the test system, please refer to this [link](#).
- Equipment List / System Overview:



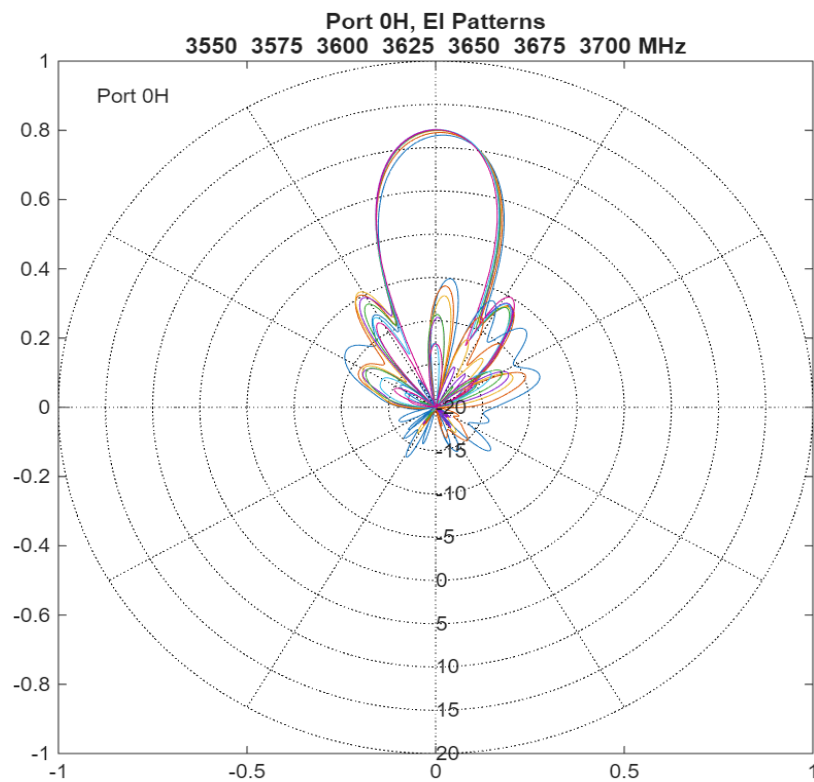
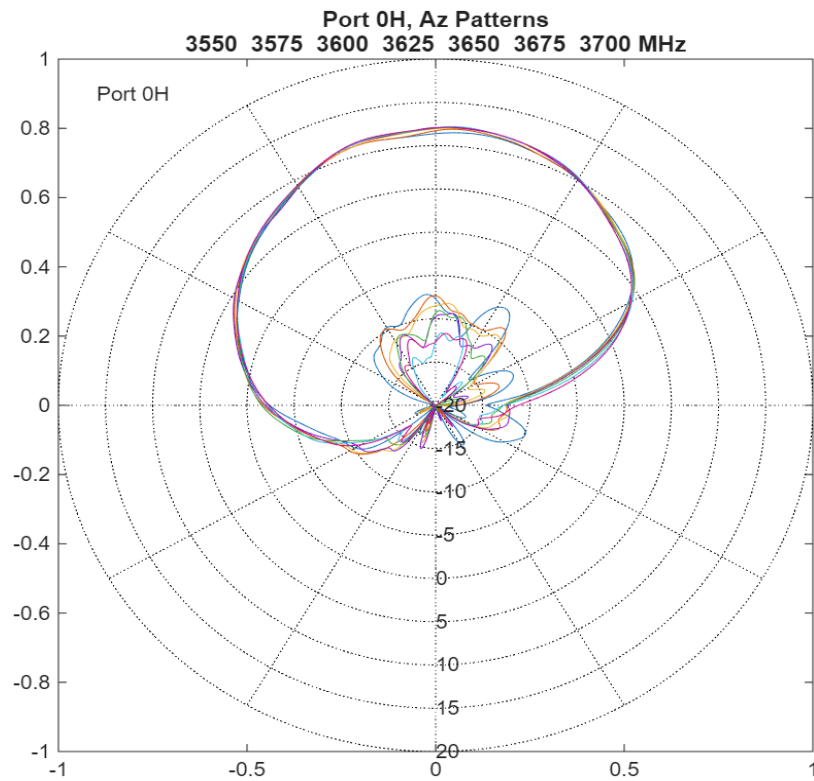
4. Measurement setting – MVG SG64 Coordinate System

MVG SG64 Coordinate System



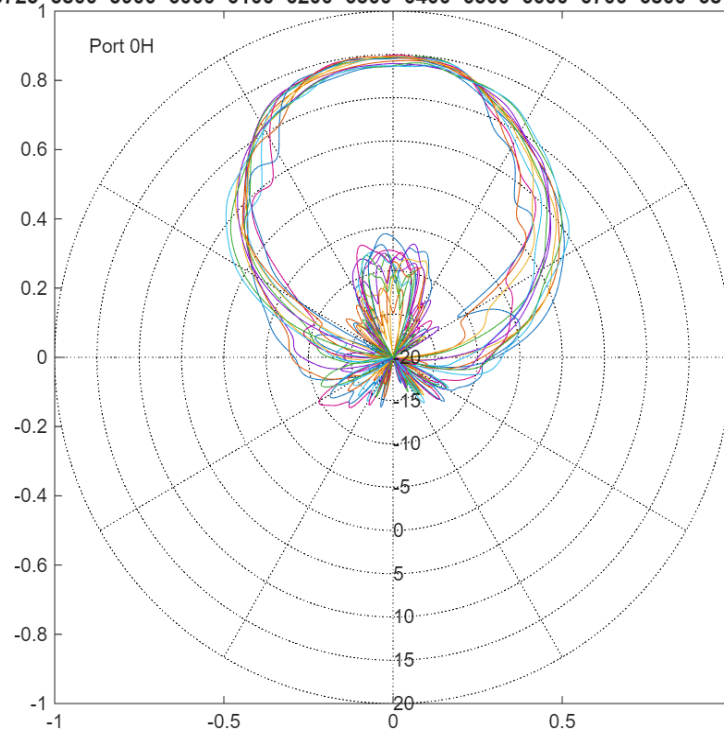
5. 2D Patterns

Antenna 0H Azimuth and Elevation Patterns, 3550 MHz to 3700 MHz

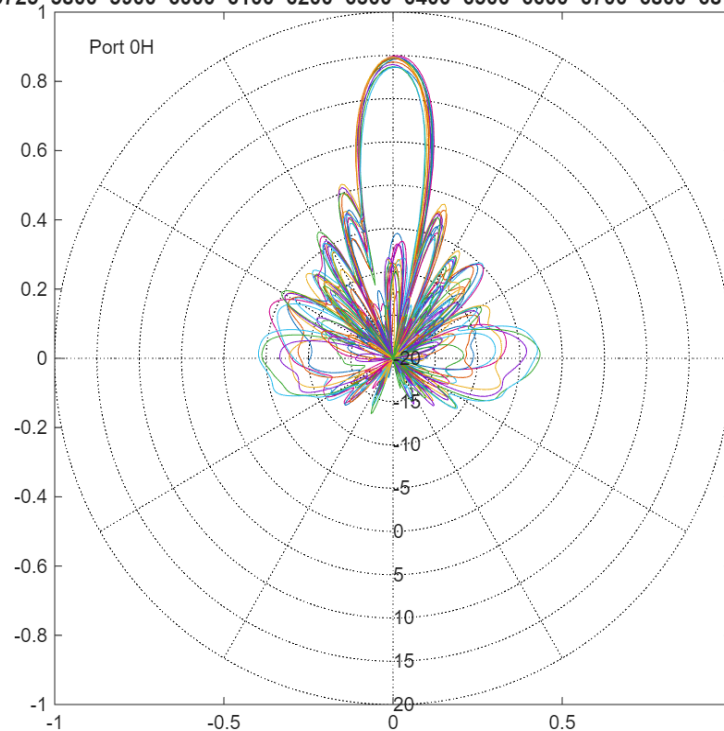


Antenna 0H Azimuth and Elevation Patterns, 5725 MHz to 6875 MHz

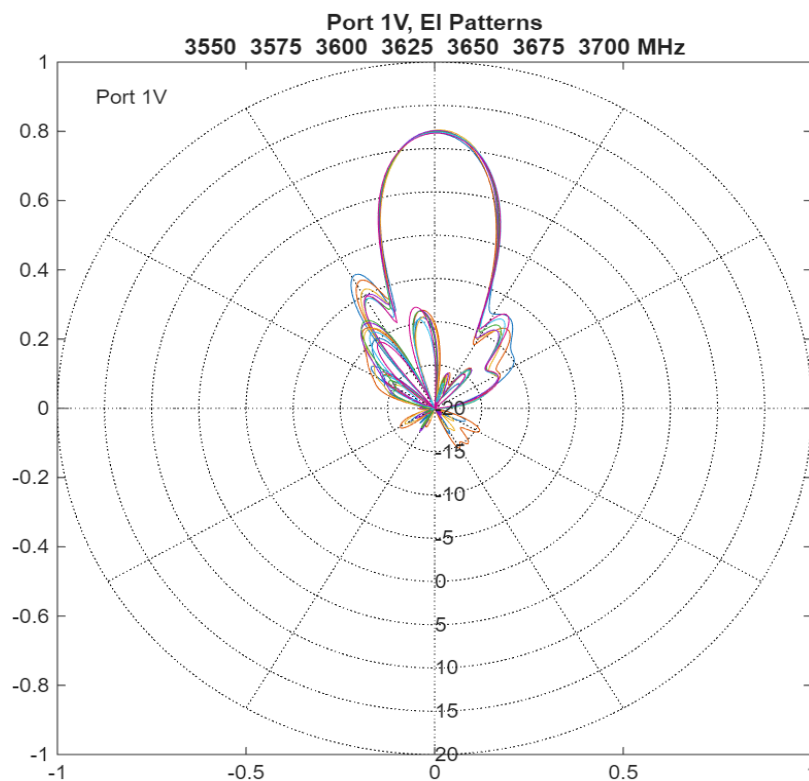
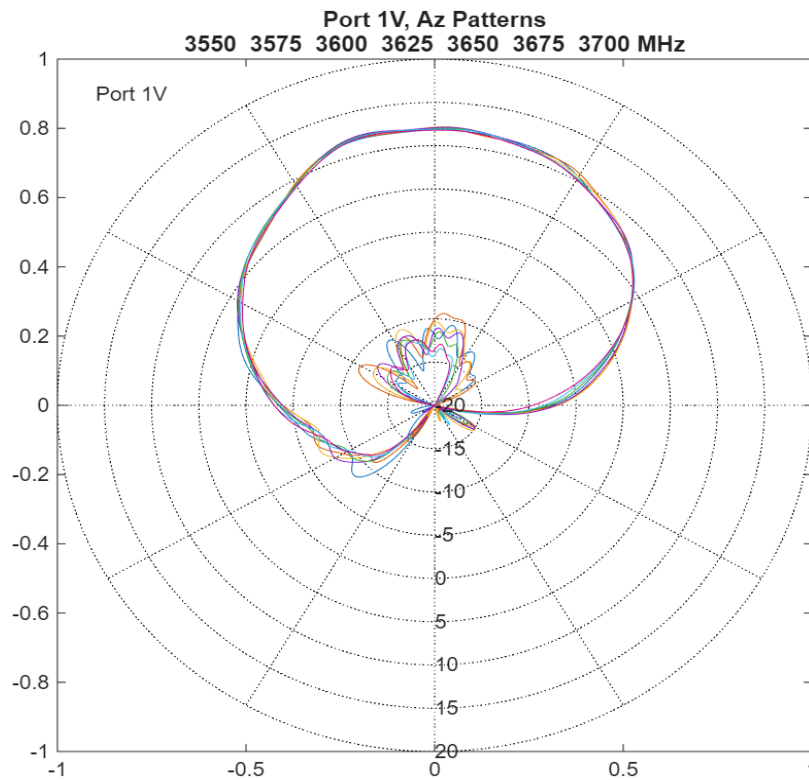
Port 0H, Az Patterns
5725 5800 5900 6000 6100 6200 6300 6400 6500 6600 6700 6800 6875 MHz



Port 0H, El Patterns
5725 5800 5900 6000 6100 6200 6300 6400 6500 6600 6700 6800 6875 MHz

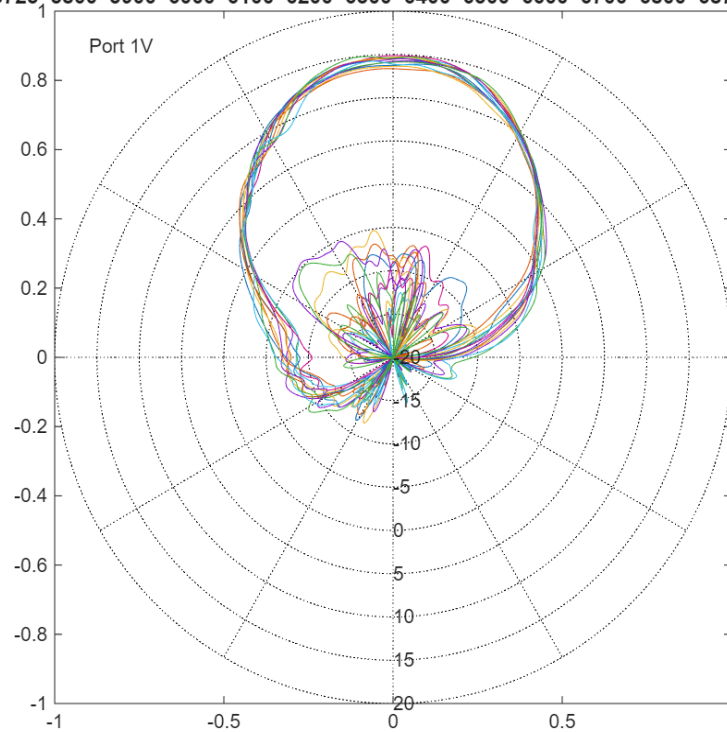


Antenna 1V Azimuth and Elevation Patterns, 3550 MHz to 3700 MHz

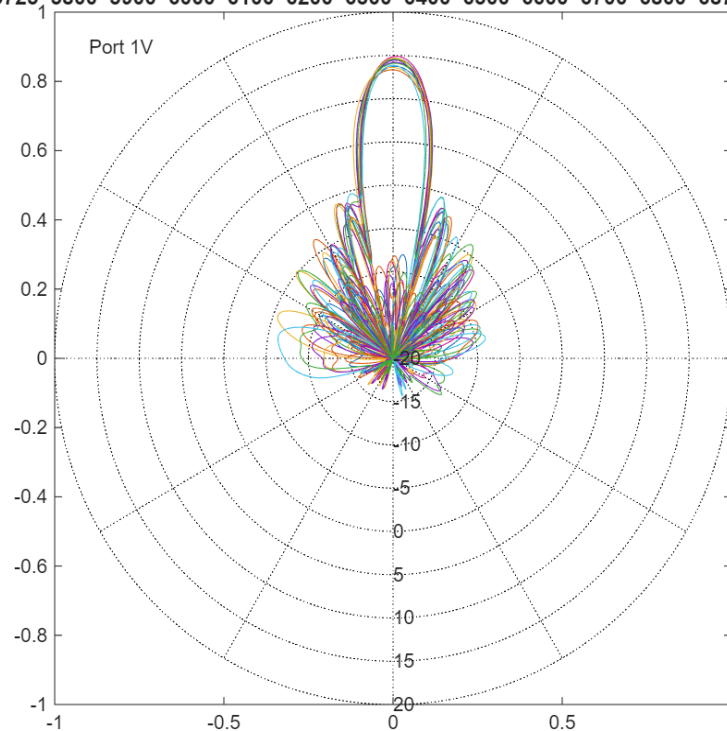


Antenna 1V Azimuth and Elevation Patterns, 5725 MHz to 6875 MHz

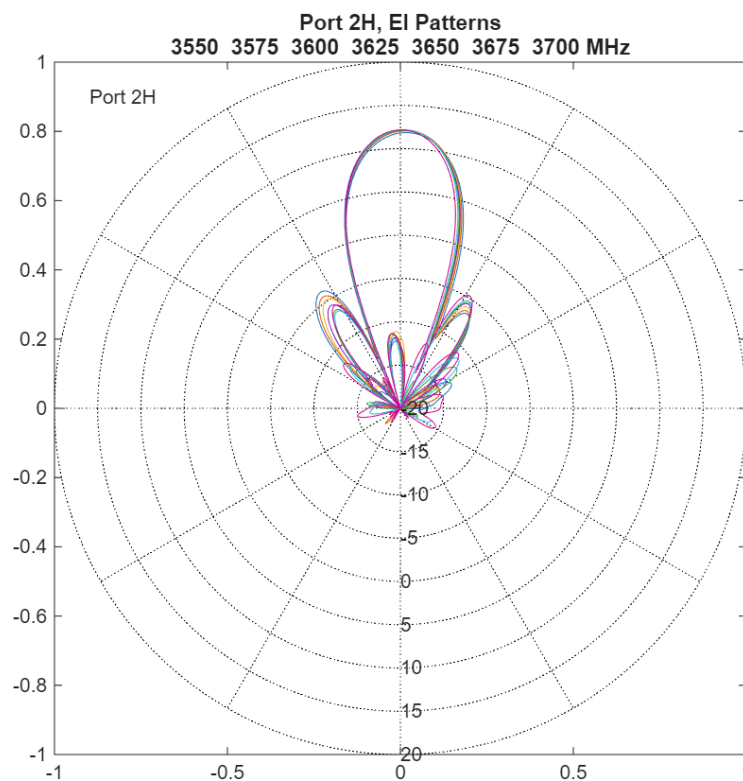
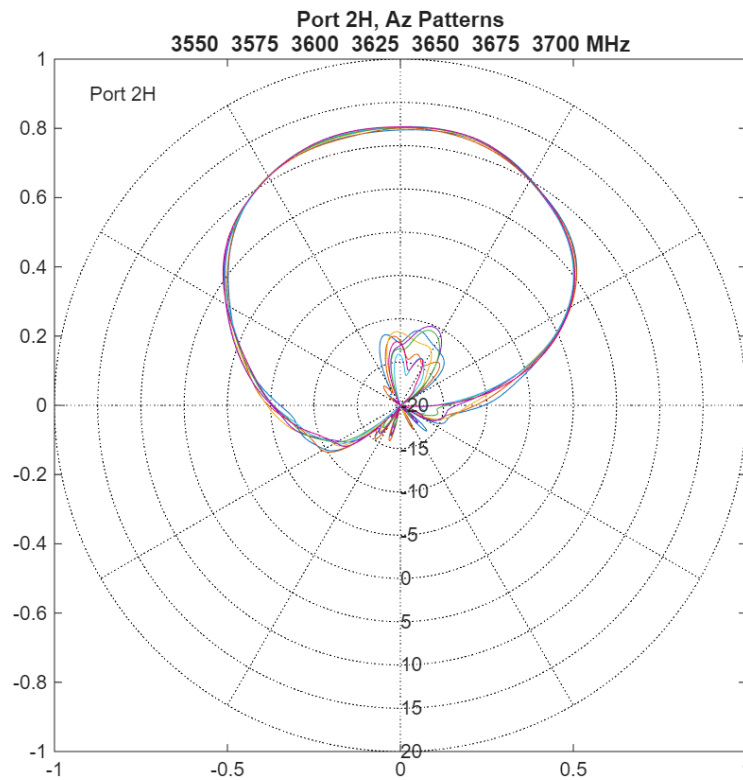
Port 1V, Az Patterns
5725 5800 5900 6000 6100 6200 6300 6400 6500 6600 6700 6800 6875 MHz



Port 1V, El Patterns
5725 5800 5900 6000 6100 6200 6300 6400 6500 6600 6700 6800 6875 MHz

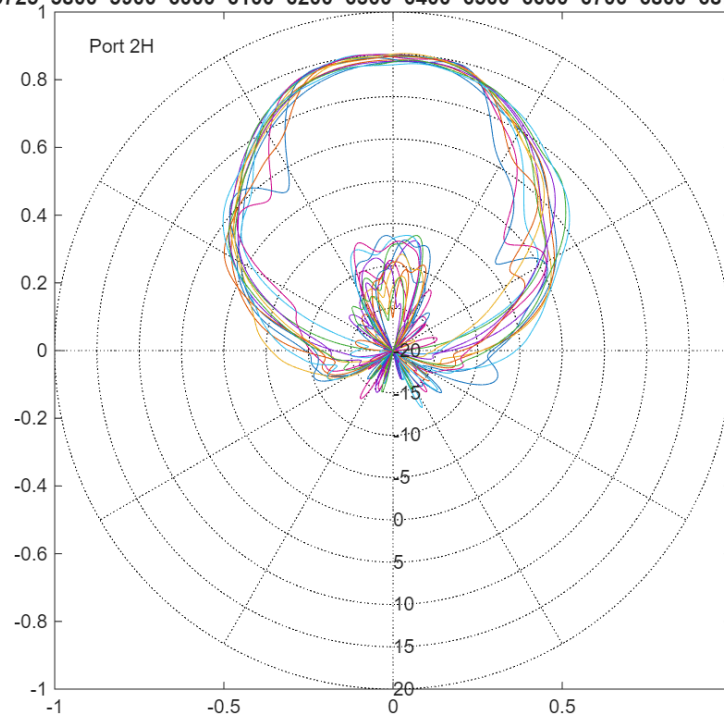


Antenna 2H Azimuth and Elevation Patterns, 3550 MHz to 3700 MHz

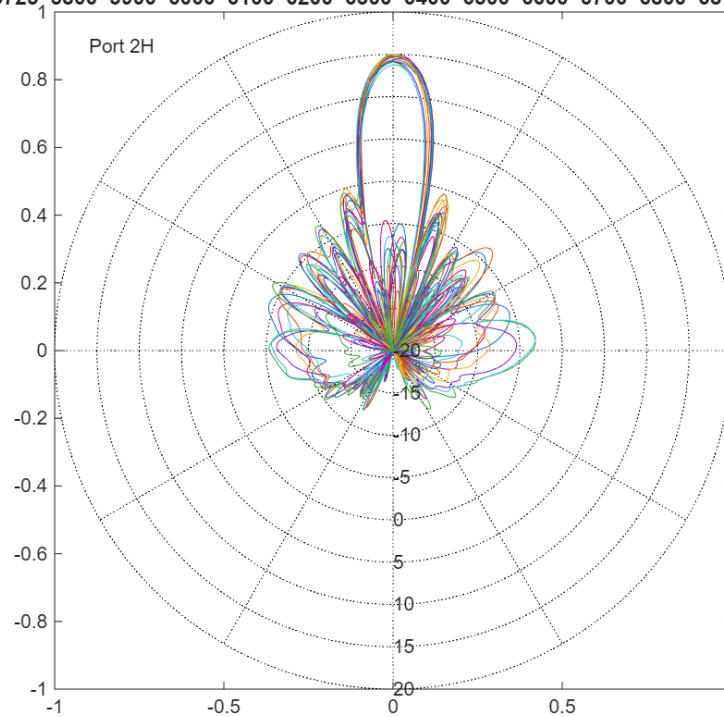


Antenna 2H Azimuth and Elevation Patterns, 5725 MHz to 6875 MHz

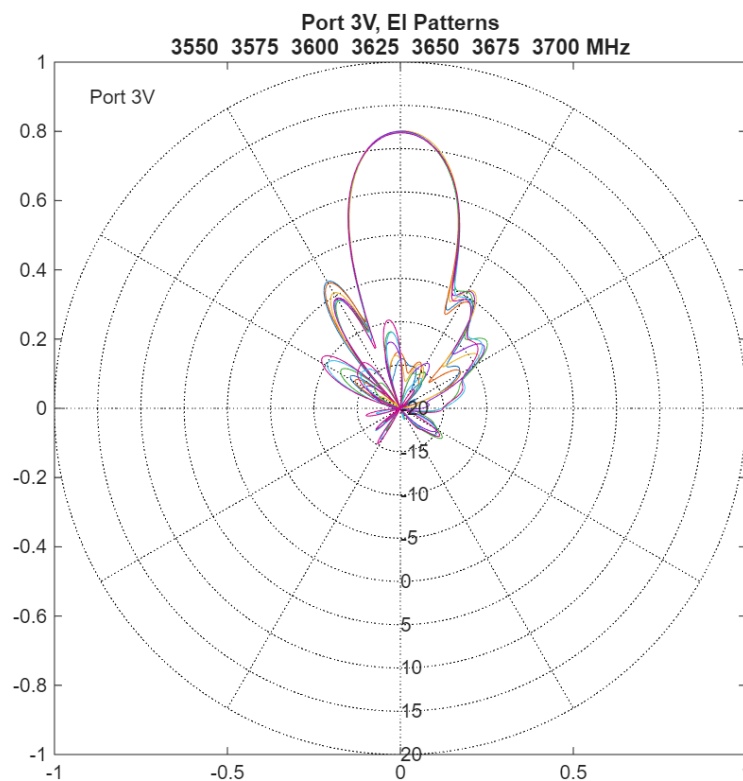
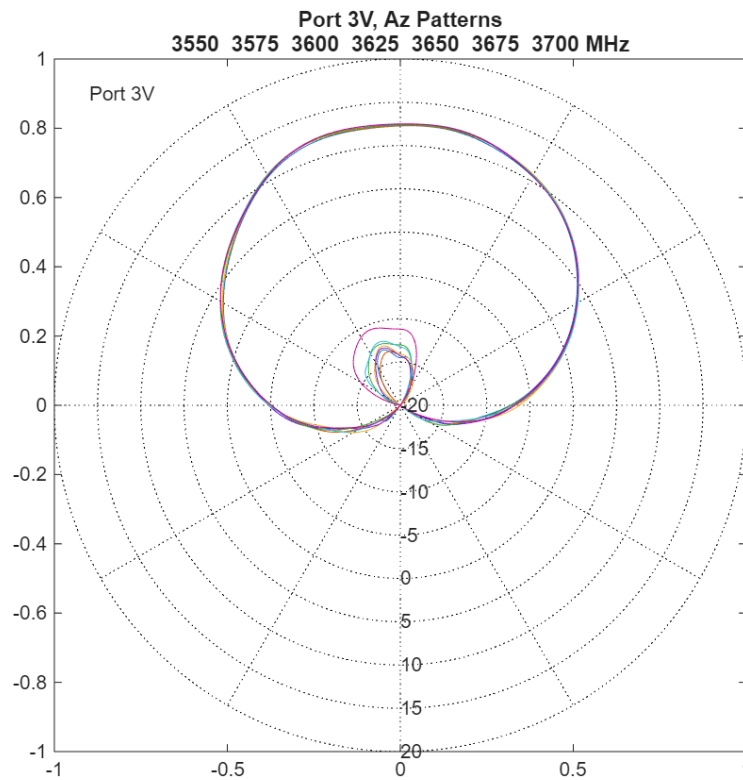
Port 2H, Az Patterns
5725 5800 5900 6000 6100 6200 6300 6400 6500 6600 6700 6800 6875 MHz



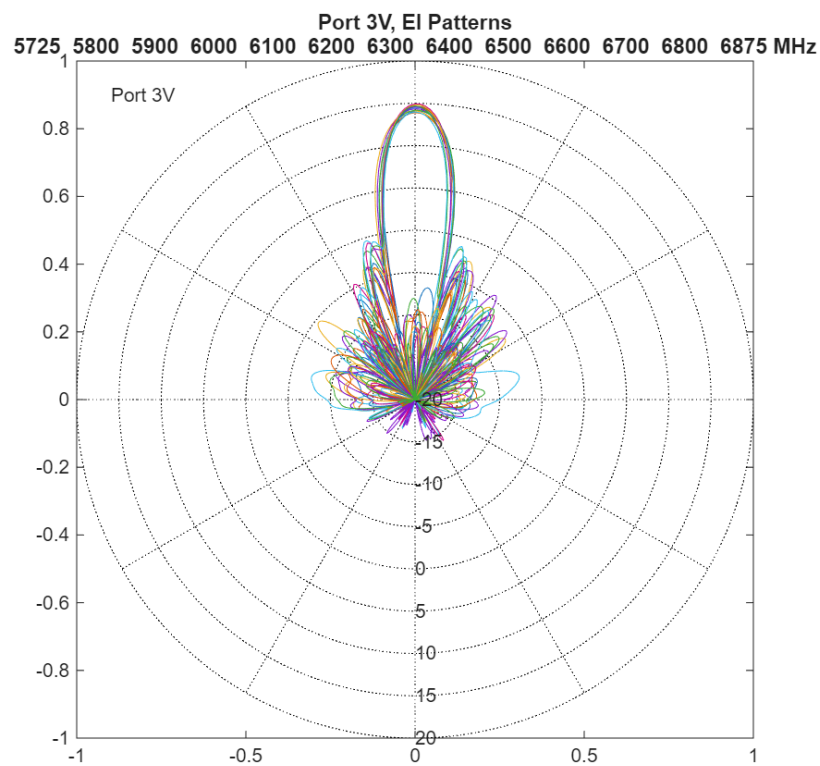
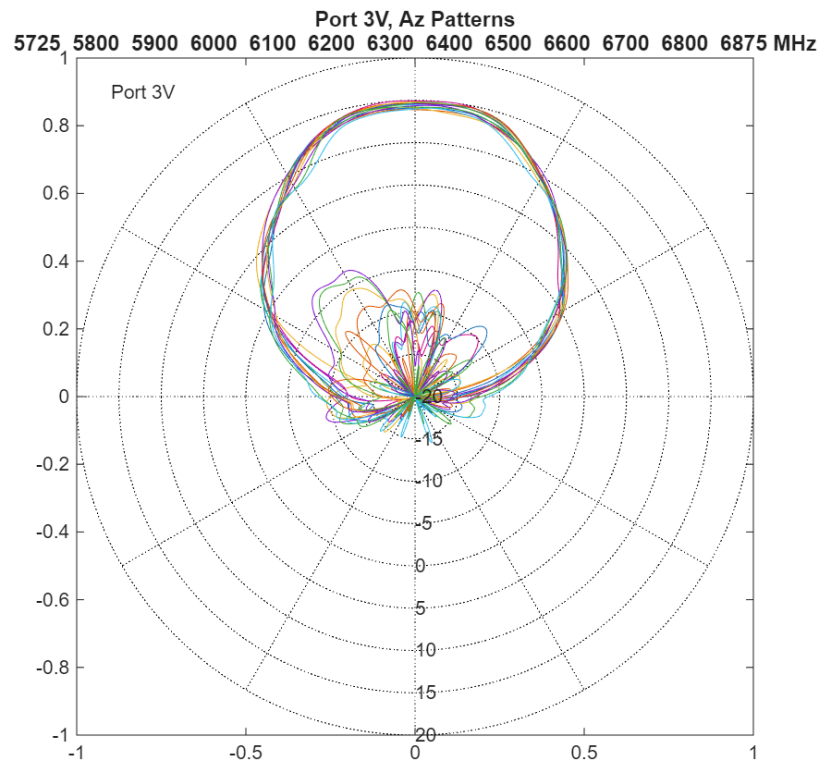
Port 2H, El Patterns
5725 5800 5900 6000 6100 6200 6300 6400 6500 6600 6700 6800 6875 MHz



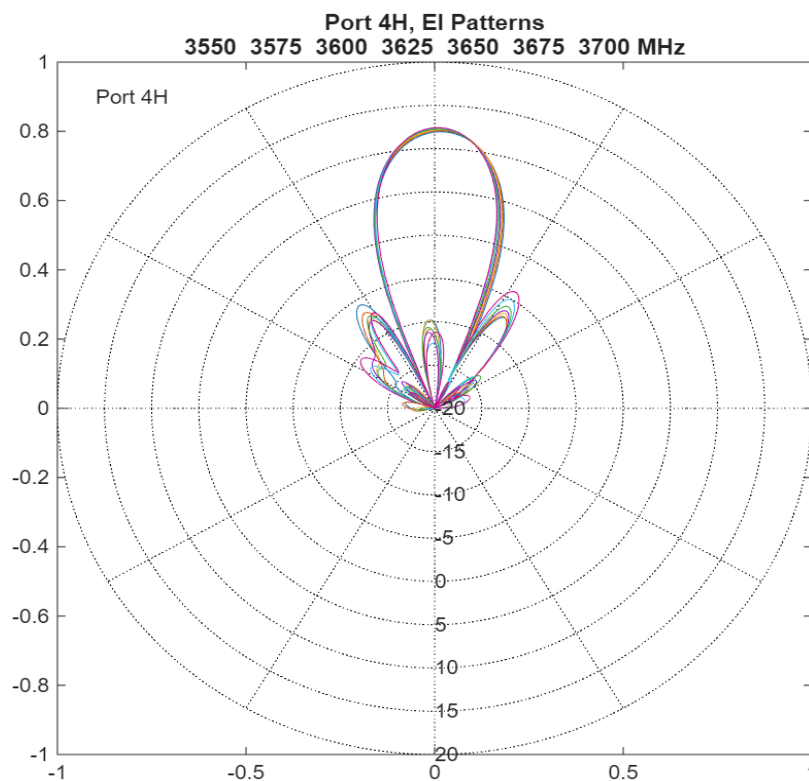
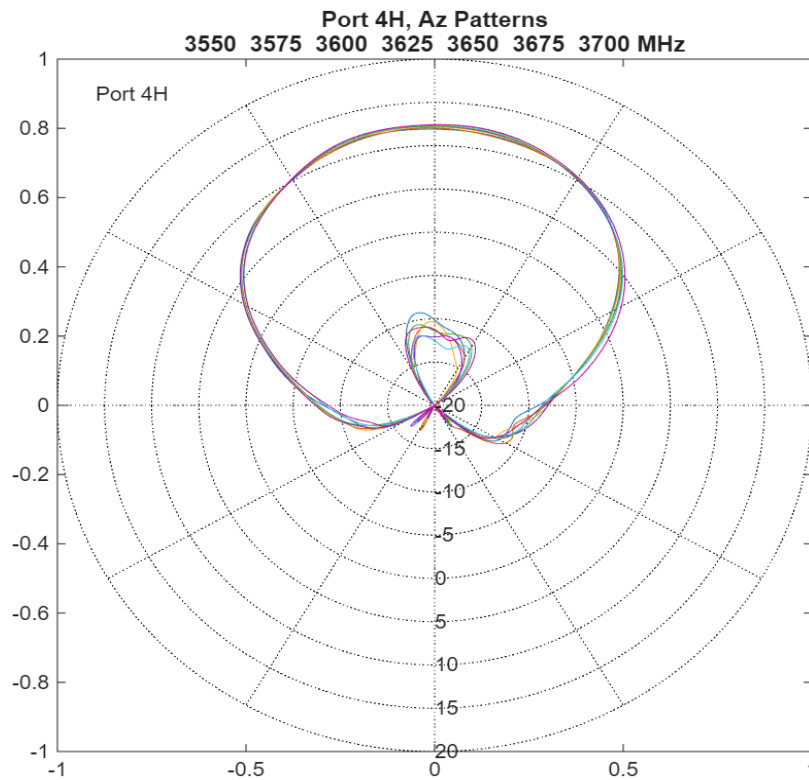
Antenna 3V Azimuth and Elevation Patterns, 3550 MHz to 3700 MHz



Antenna 3V Azimuth and Elevation Patterns, 5725 MHz to 6875 MHz

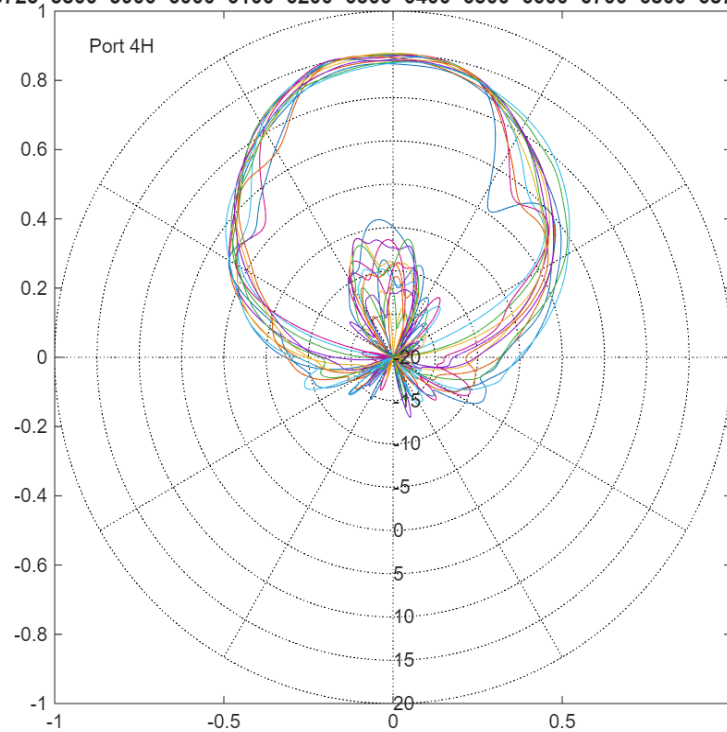


Antenna 4H Azimuth and Elevation Patterns, 3550 MHz to 3700 MHz

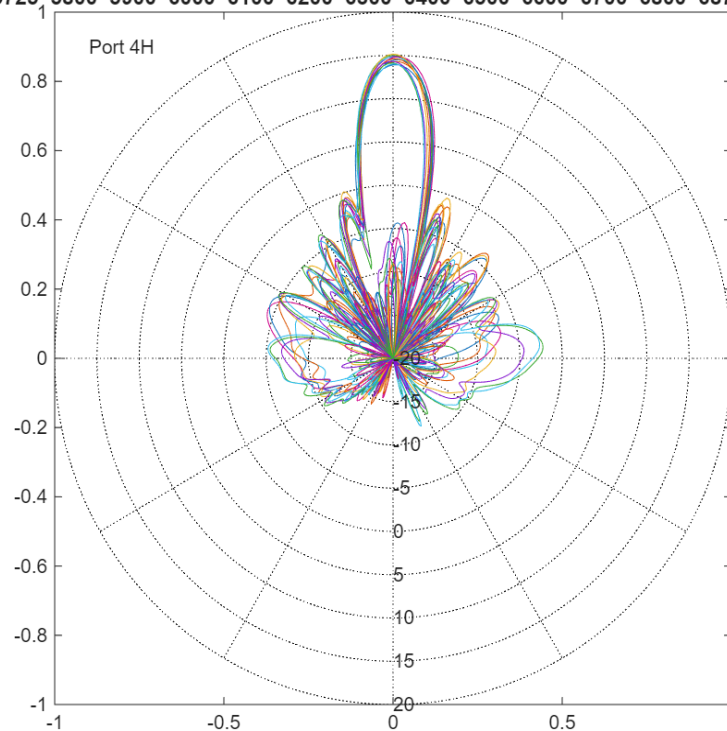


Antenna 4H Azimuth and Elevation Patterns, 5725 MHz to 6875 MHz

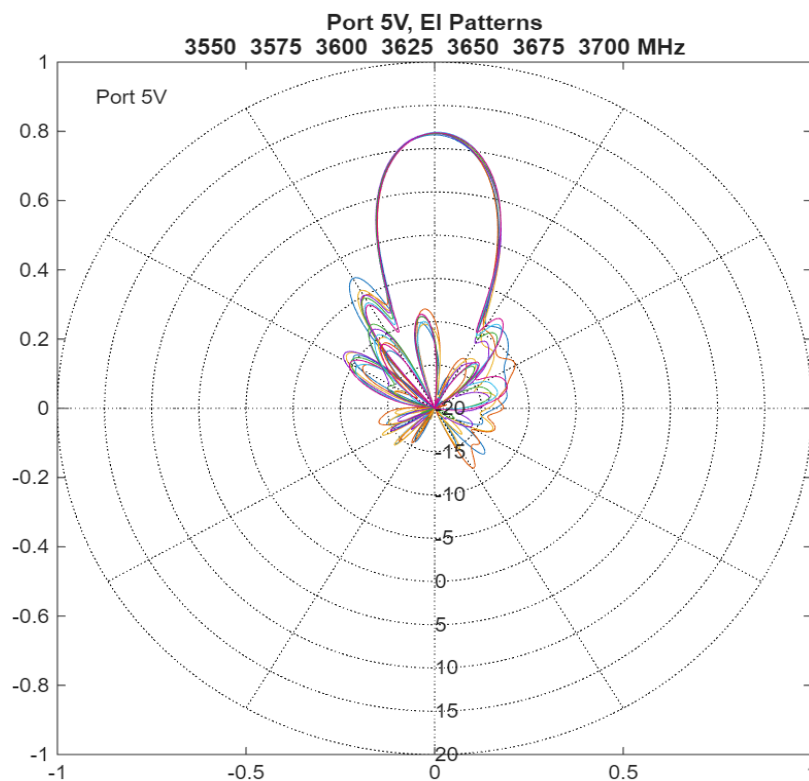
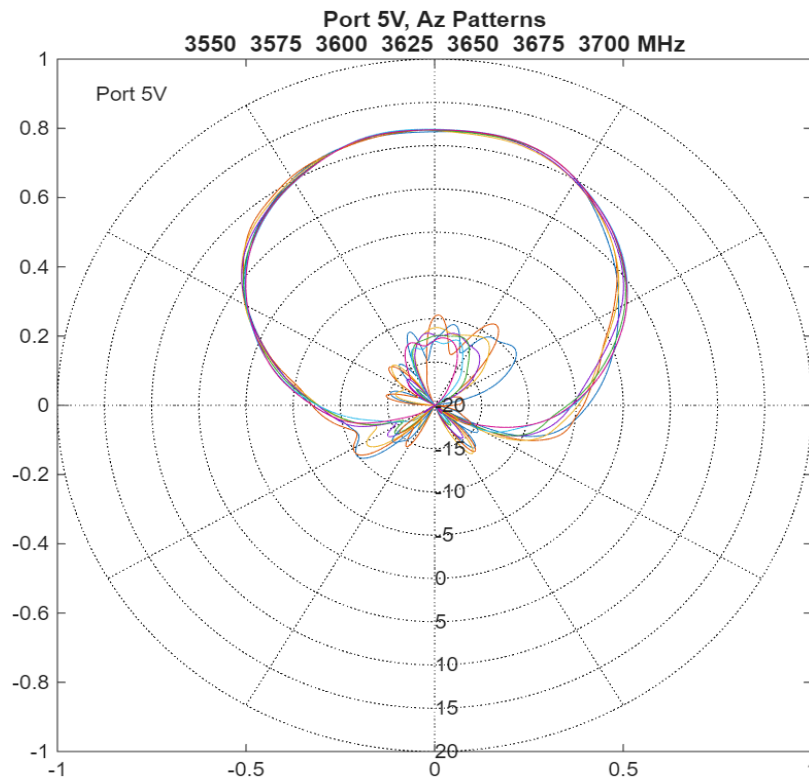
Port 4H, Az Patterns
5725 5800 5900 6000 6100 6200 6300 6400 6500 6600 6700 6800 6875 MHz



Port 4H, El Patterns
5725 5800 5900 6000 6100 6200 6300 6400 6500 6600 6700 6800 6875 MHz

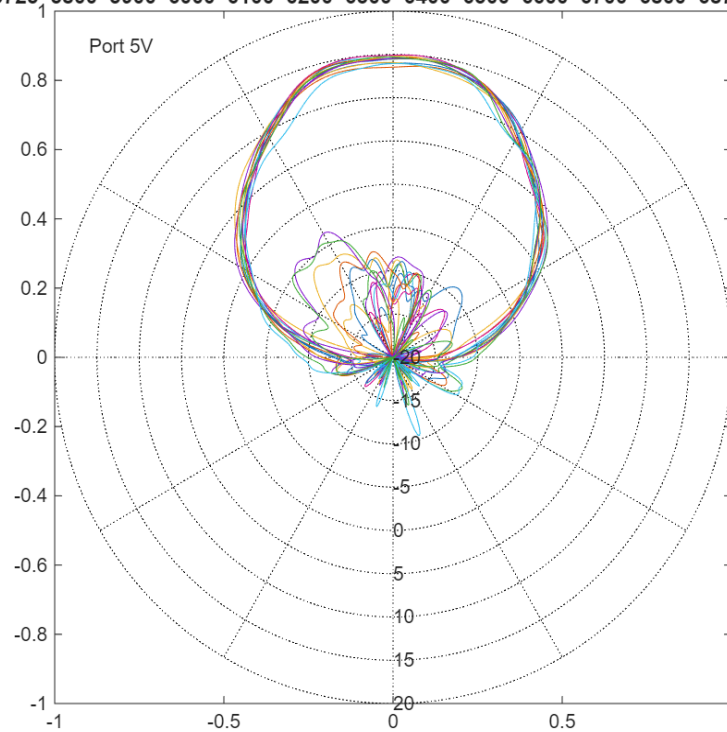


Antenna 5V Azimuth and Elevation Patterns, 3550 MHz to 3700 MHz

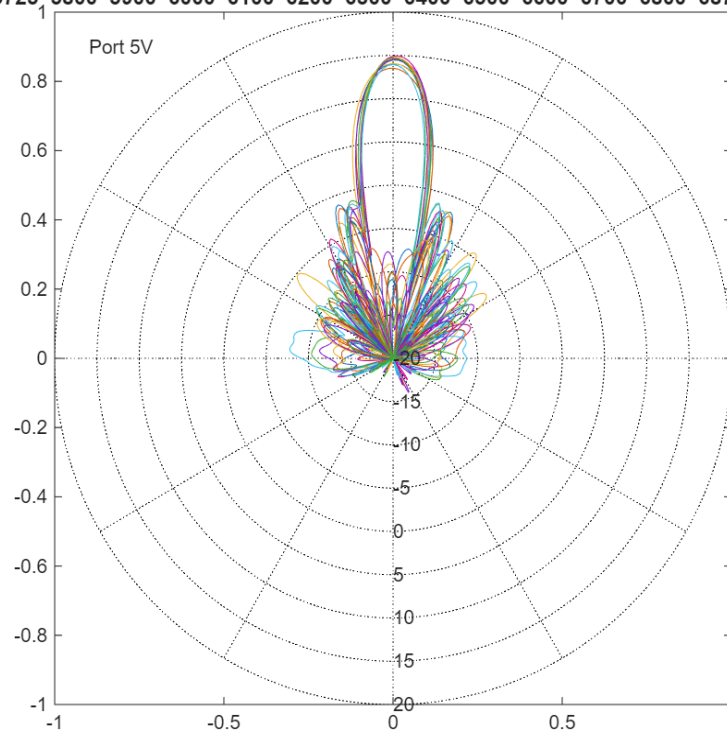


Antenna 5V Azimuth and Elevation Patterns, 5725 MHz to 6875 MHz

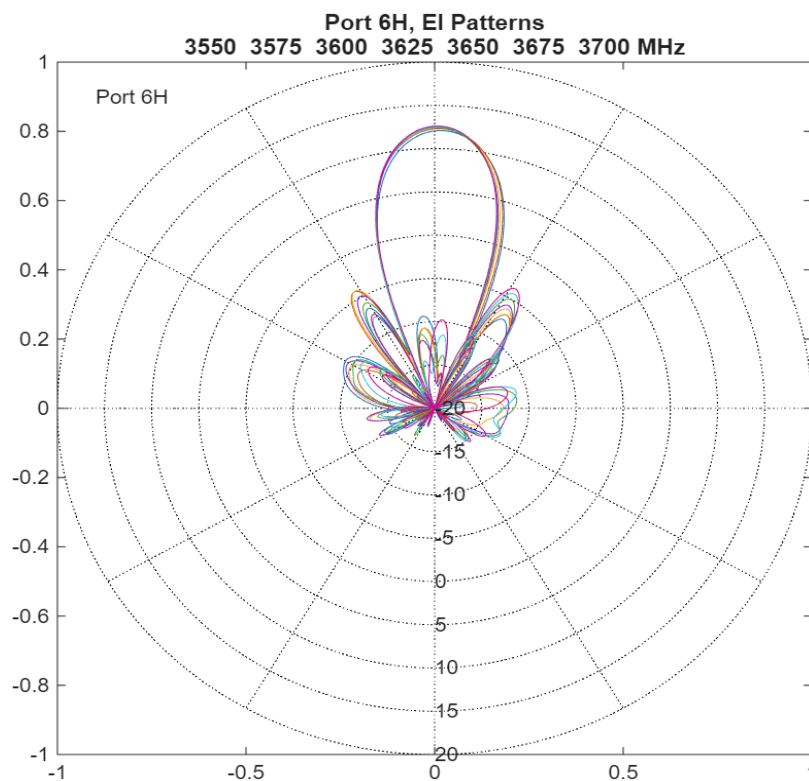
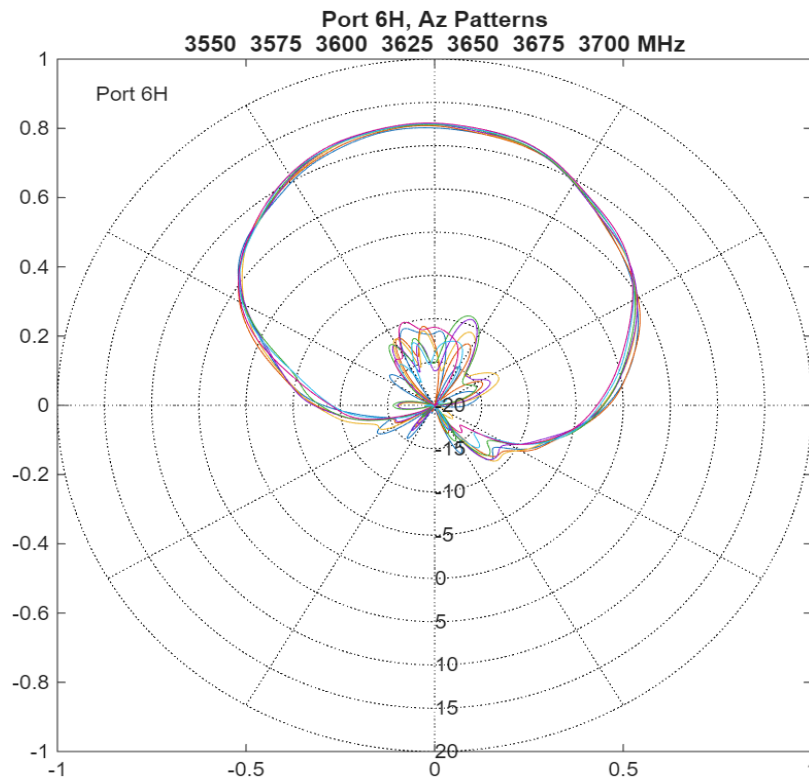
Port 5V, Az Patterns
5725 5800 5900 6000 6100 6200 6300 6400 6500 6600 6700 6800 6875 MHz



Port 5V, El Patterns
5725 5800 5900 6000 6100 6200 6300 6400 6500 6600 6700 6800 6875 MHz

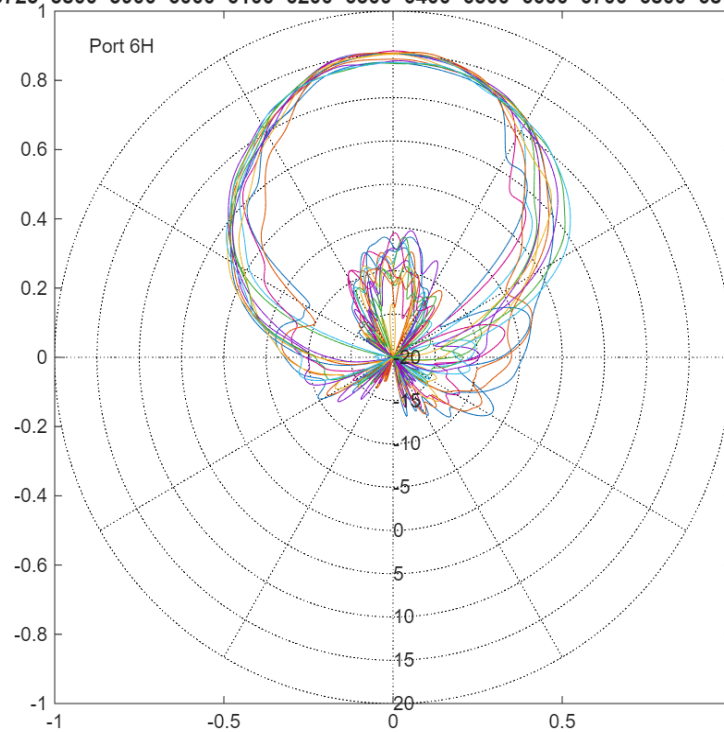


Antenna 6H Azimuth and Elevation Patterns, 3550 MHz to 3700 MHz

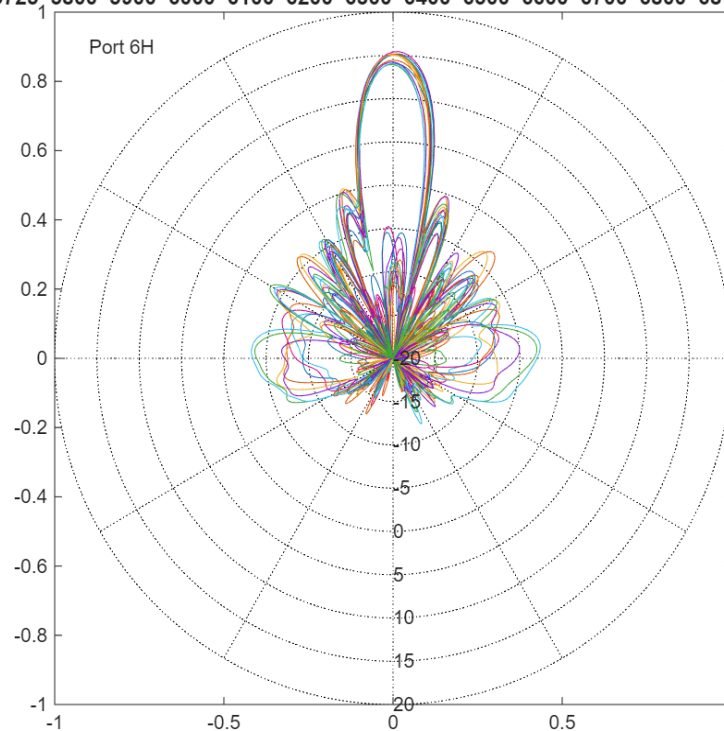


Antenna 6H Azimuth and Elevation Patterns, 5725 MHz to 6875 MHz

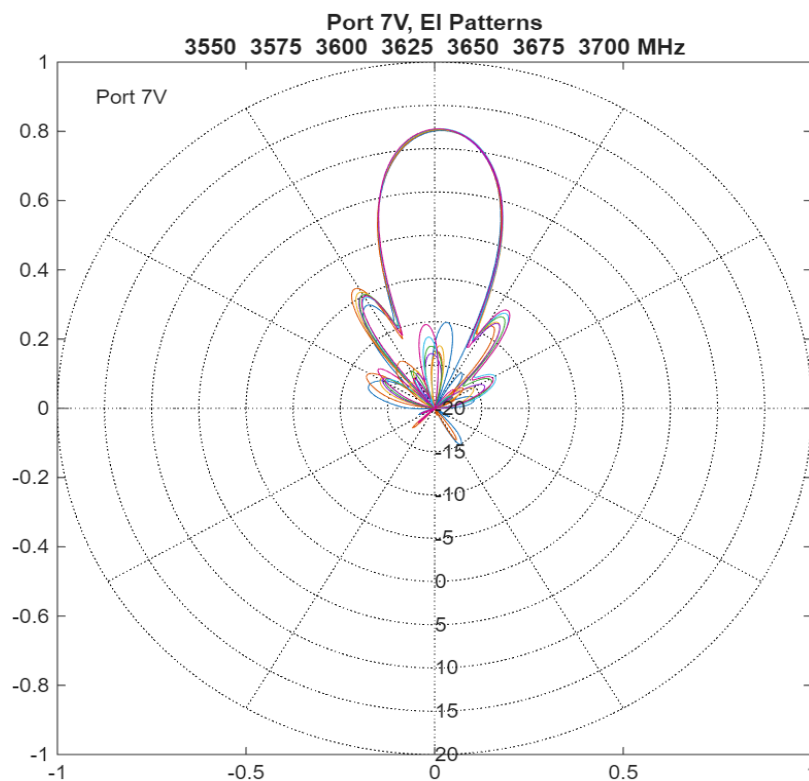
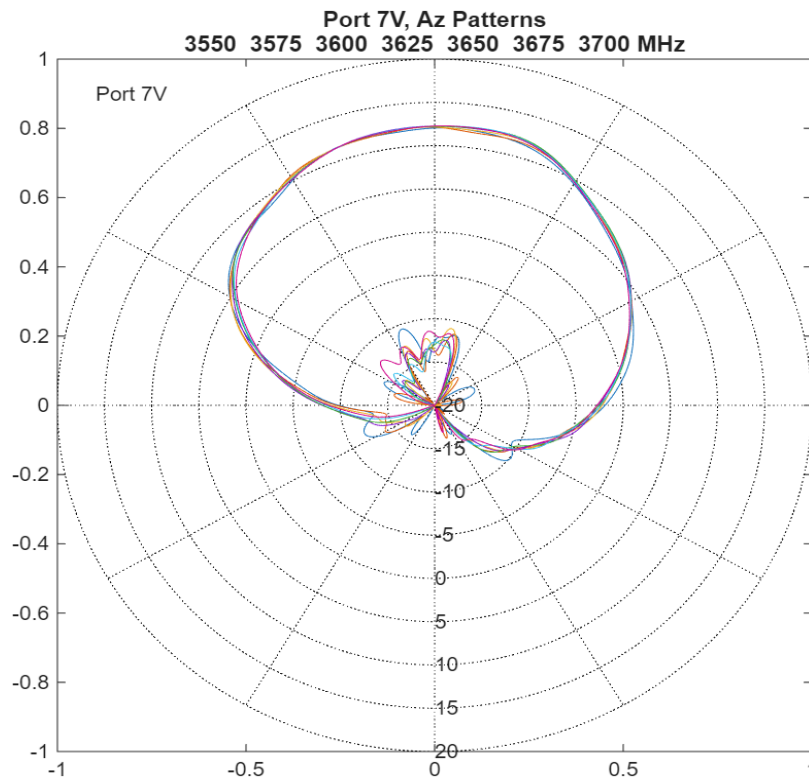
Port 6H, Az Patterns
5725 5800 5900 6000 6100 6200 6300 6400 6500 6600 6700 6800 6875 MHz



Port 6H, El Patterns
5725 5800 5900 6000 6100 6200 6300 6400 6500 6600 6700 6800 6875 MHz

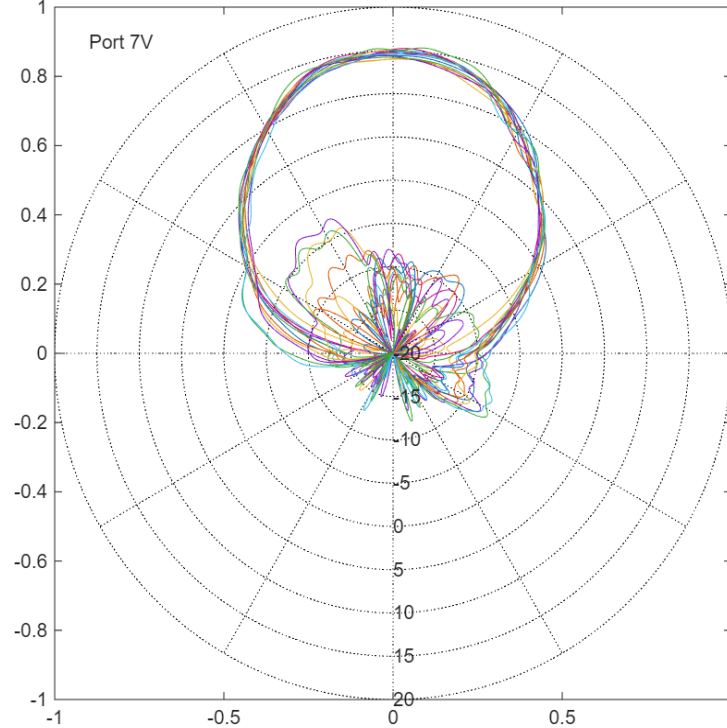


Antenna 7V Azimuth and Elevation Patterns, 3550 MHz to 3700 MHz

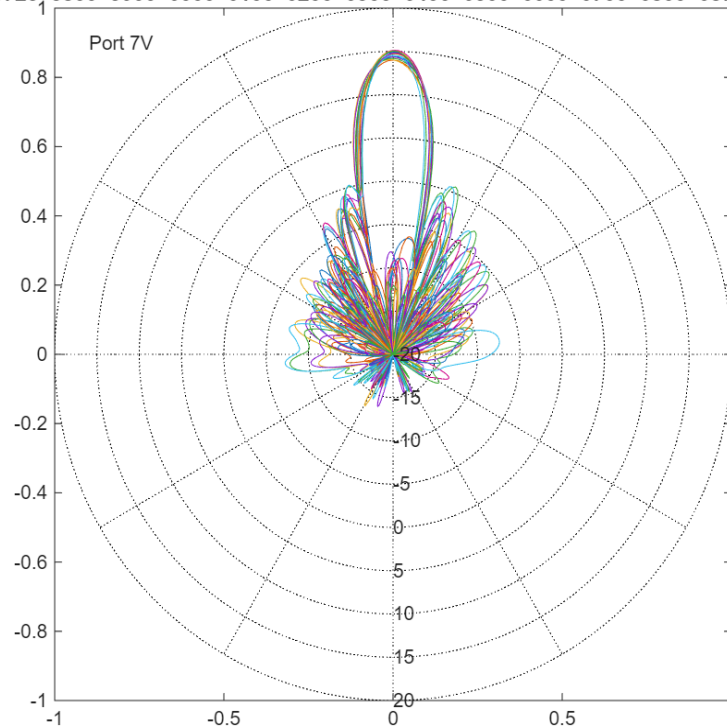


Antenna 7V Azimuth and Elevation Patterns, 5725 MHz to 6875 MHz

Port 7V, Az Patterns
5725 5800 5900 6000 6100 6200 6300 6400 6500 6600 6700 6800 6875 MHz



Port 7V, El Patterns
5725 5800 5900 6000 6100 6200 6300 6400 6500 6600 6700 6800 6875 MHz

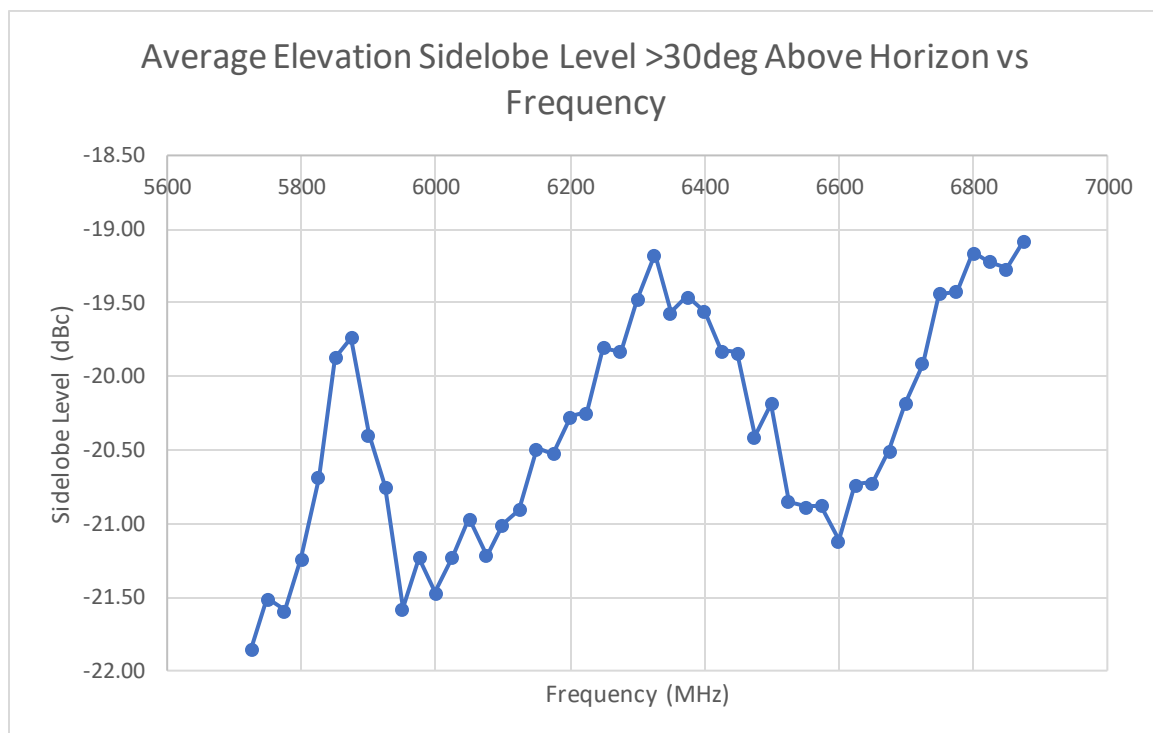


6 Summary

Maximum Antenna Gain Summary

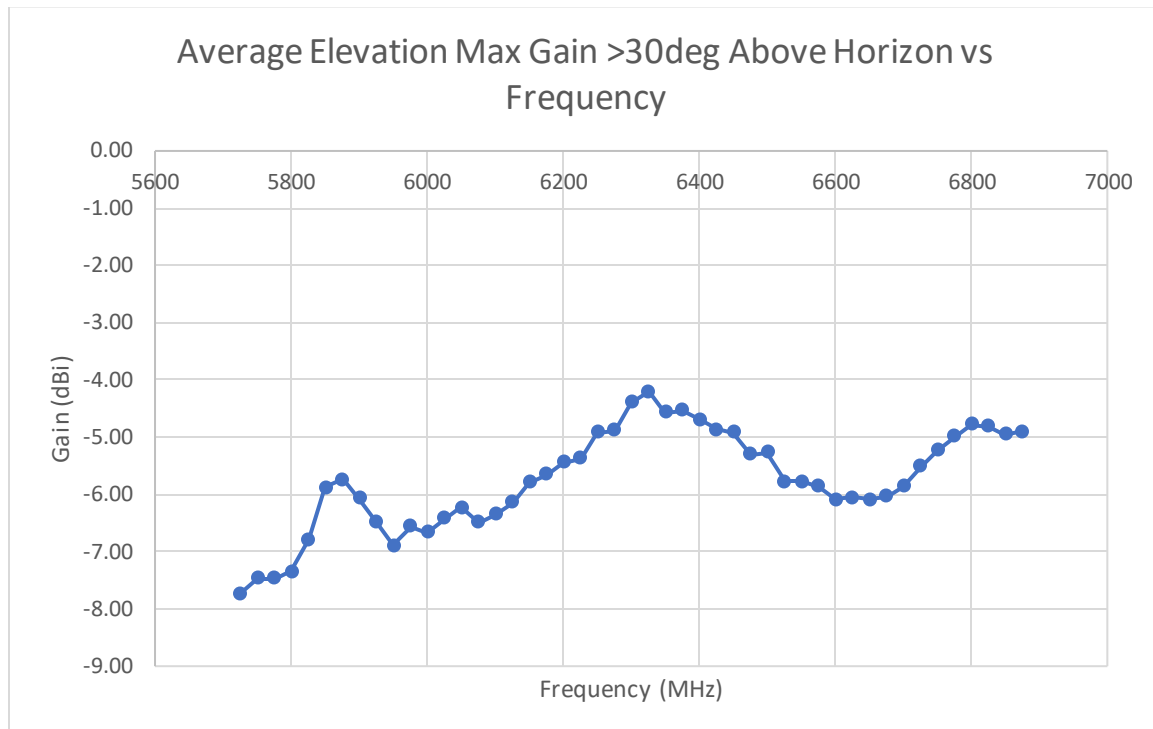
Frequency Range (MHz)	Maximum Antenna Gain (dBi)								Max Gain
	0H	1V	2H	3V	4H	5V	6H	7V	
3550-3700	12.27	12.22	12.27	12.23	12.44	11.99	12.63	12.39	12.63
5725-5850	14.53	14.09	14.50	14.18	14.59	14.07	14.72	14.48	14.72
5850-5895	14.74	13.64	14.88	14.24	14.90	14.09	15.02	14.12	15.02
5925-6425	14.98	14.86	15.25	15.00	15.17	15.01	15.52	15.25	15.52
6425-6525	15.02	14.87	15.11	14.92	15.18	14.88	15.67	15.00	15.67
6525-6875	15.00	14.94	15.19	14.95	15.18	15.00	15.44	15.48	15.48

Average Elevation Sidelobes (dBc) Above 30°



Note: The data of upper elevation sidelobes are the peak max antenna gains for upper elevation angle >30°. The average elevation sidelobe gains are more than 15dB less.

Average Elevation Maximum Gain (dBi) Above 30°



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