



PHOENIX
TESTLAB

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Antenna Radiation Pattern

Report Number:

F201483E3

Equipment under Test (EUT):

**Operator Panel
NT03 RMI**

Applicant:

Topcon Electronics GmbH & Co. KG

Manufacturer:

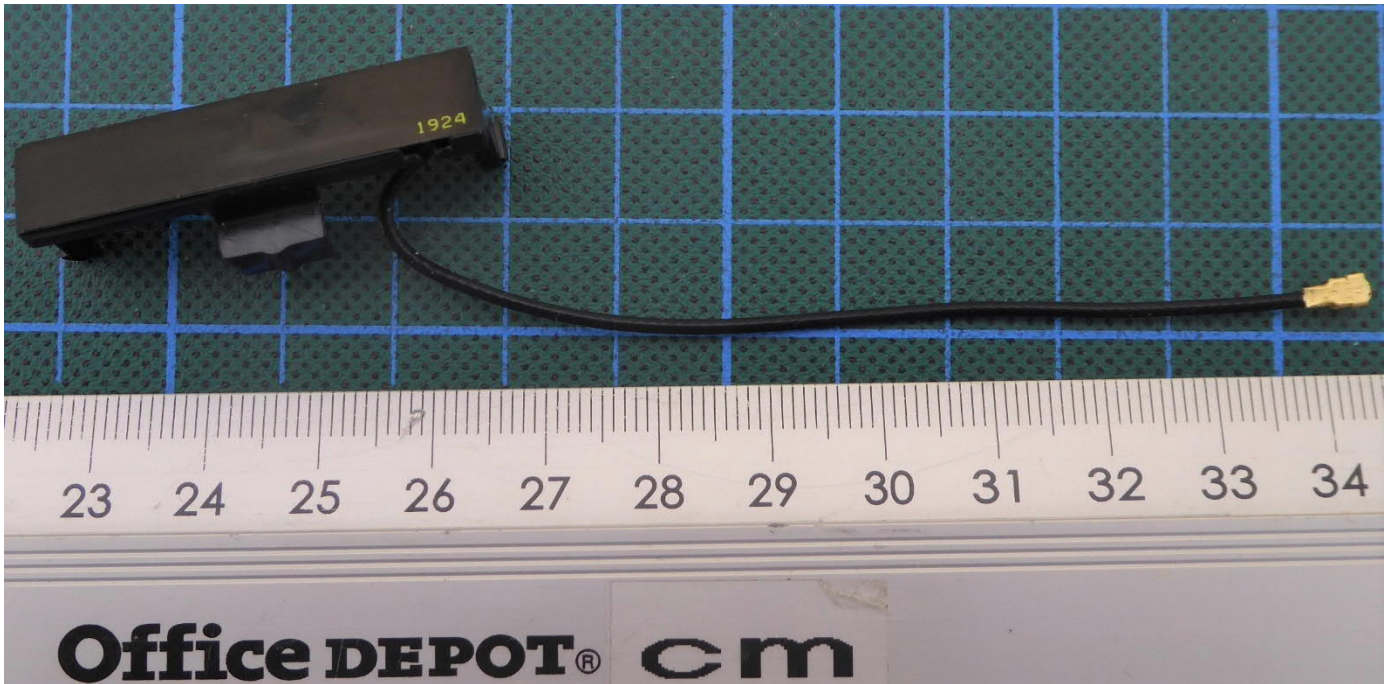
Topcon Electronics GmbH & Co. KG

1 Results (Max. Gain)

Frequency [MHz]	Maximum Antenna gain [dBi]	Turntable Pos [°]	EUT Positioner [°]	EUT Pos.	Antenna Polarization
2402	-4.5	152.7	0	1	Vertical
2440	-3.1	153.6	0	1	Vertical
2480	-3.6	153.8	0	1	Vertical

2 Antenna photographs

2.1 Antenna top view

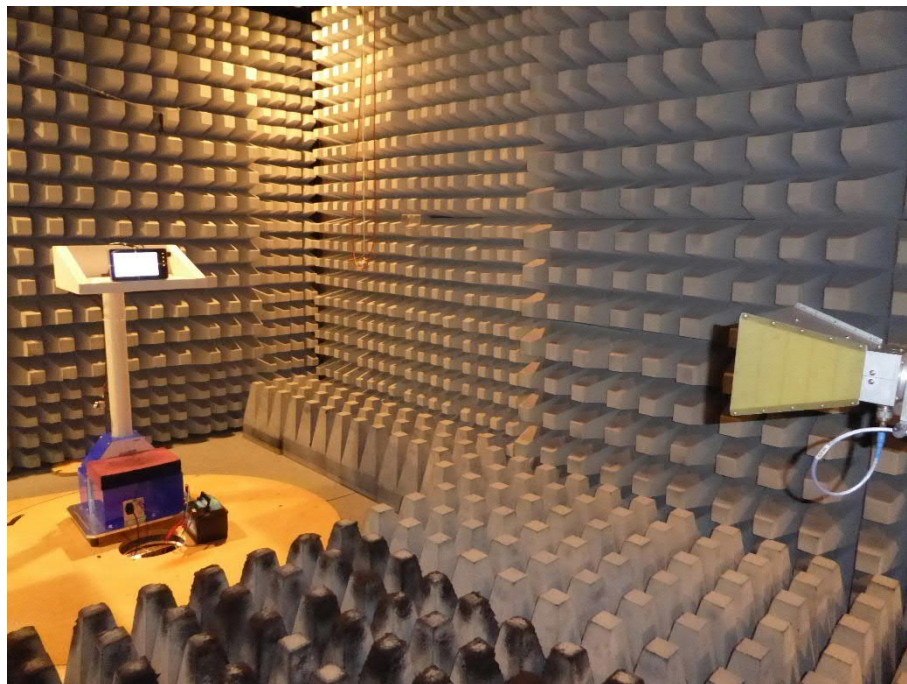
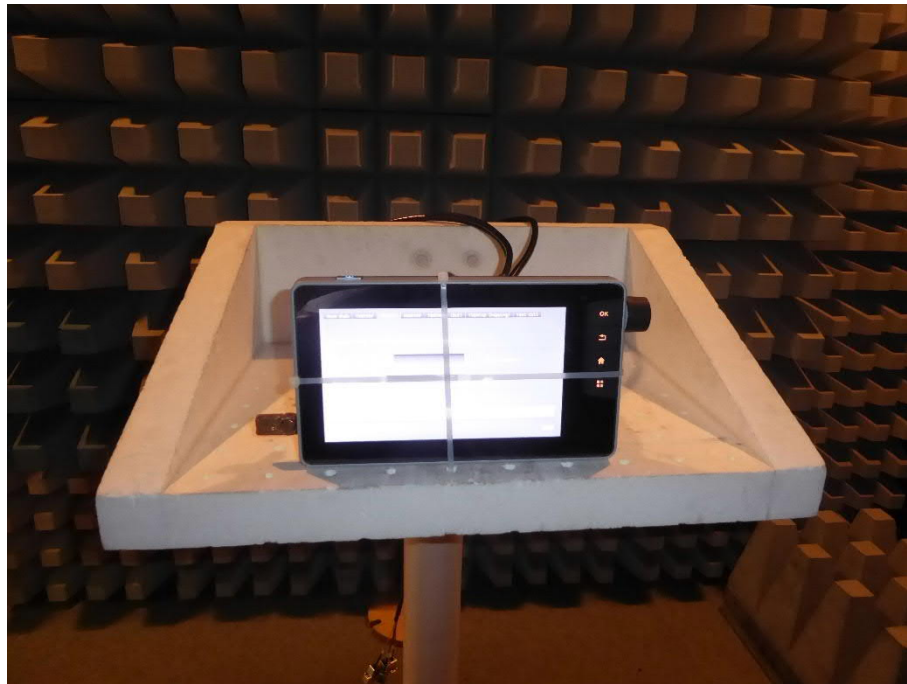


2.2 Antenna bottom view

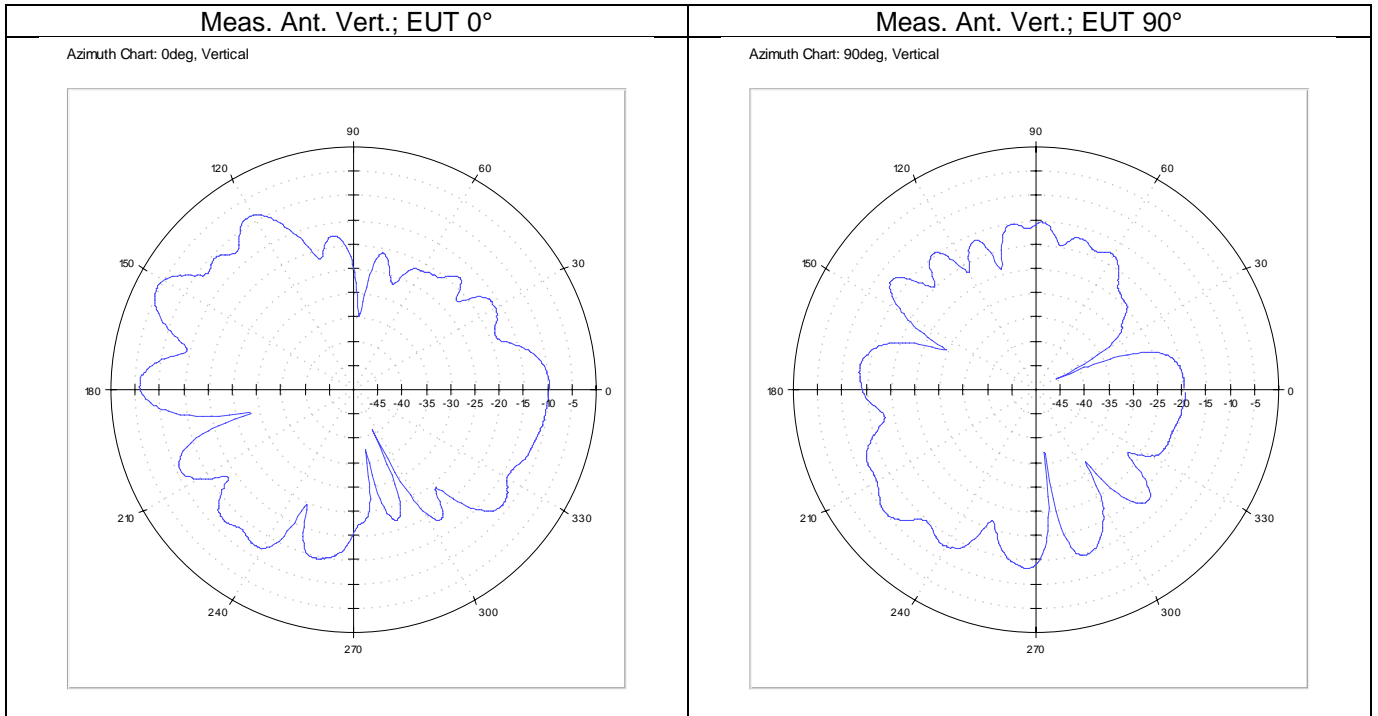


3 EUT Position 1

3.1 Test Setup Photos

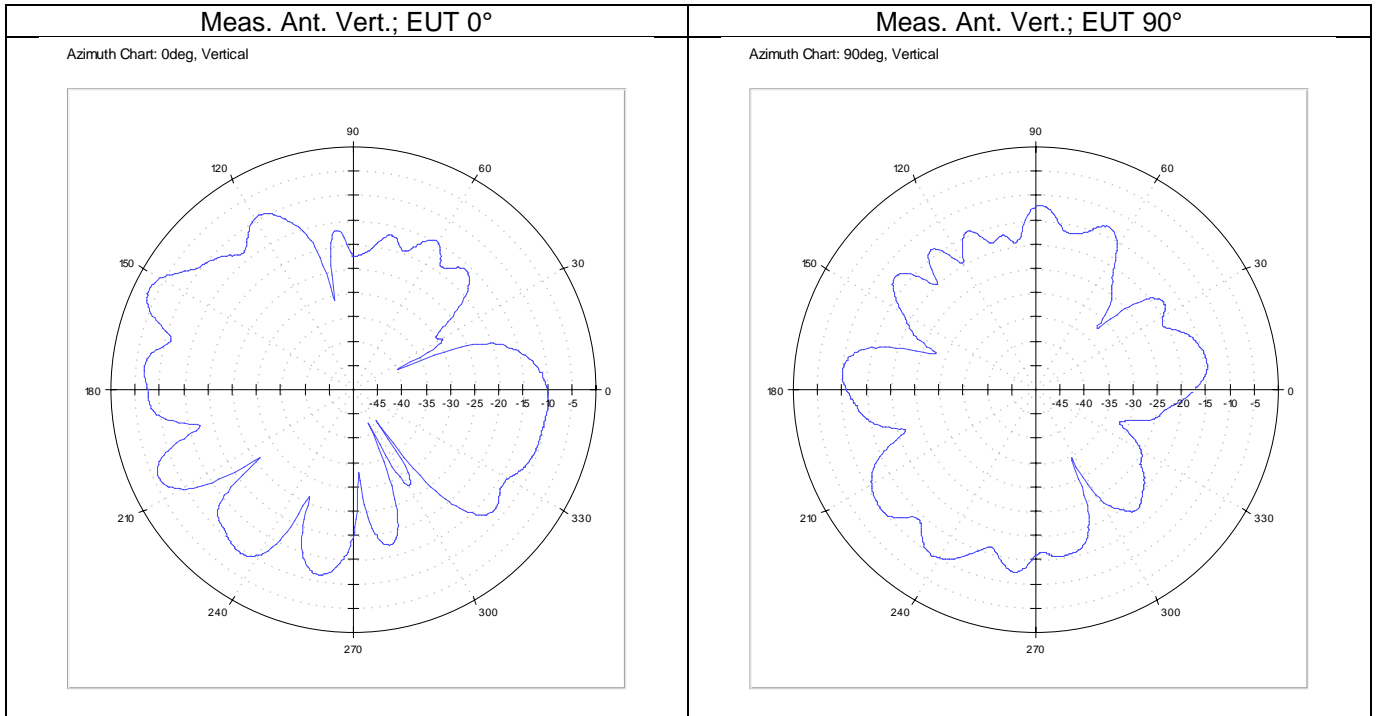


3.2 2402 MHz



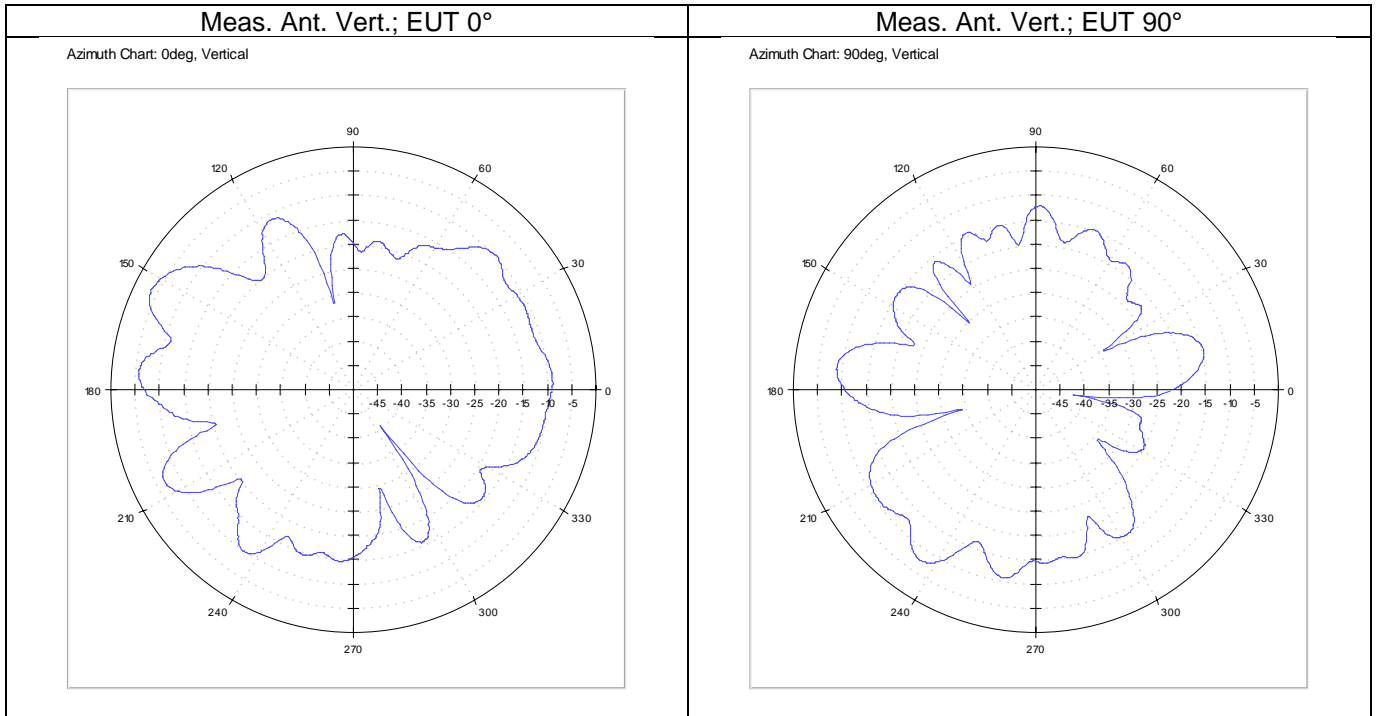
Frequency [MHz]	Elevation [°]	Max. Gain [dBi]	Azimuth Max Gain [°]
2402	0.0	-4.4	152.7

3.3 2440 MHz



Frequency [MHz]	Elevation [°]	Max. Gain [dBi]	Azimuth Max Gain [°]
2440	0.0	-3.1	153.6

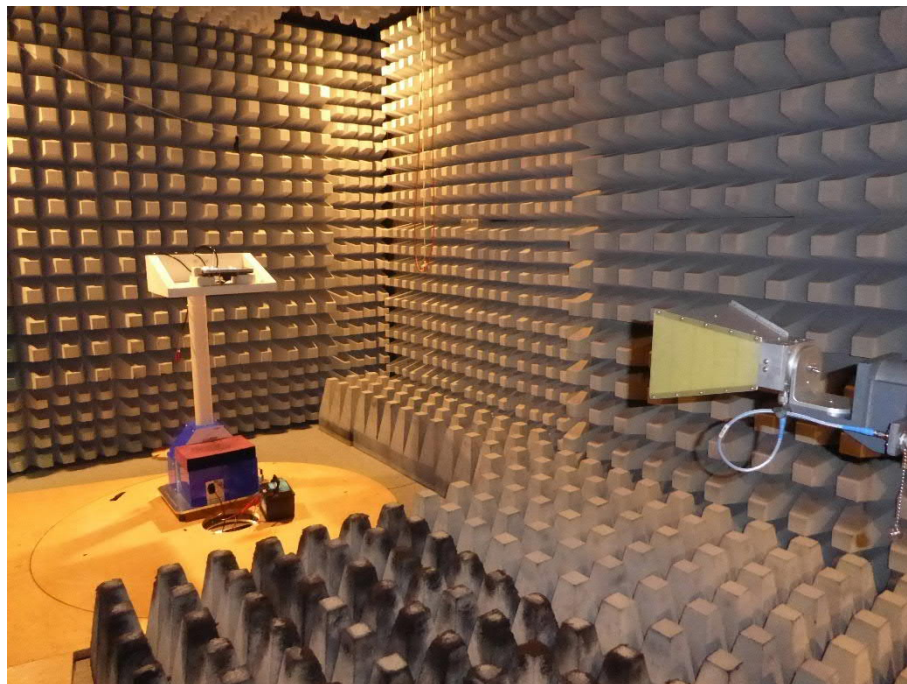
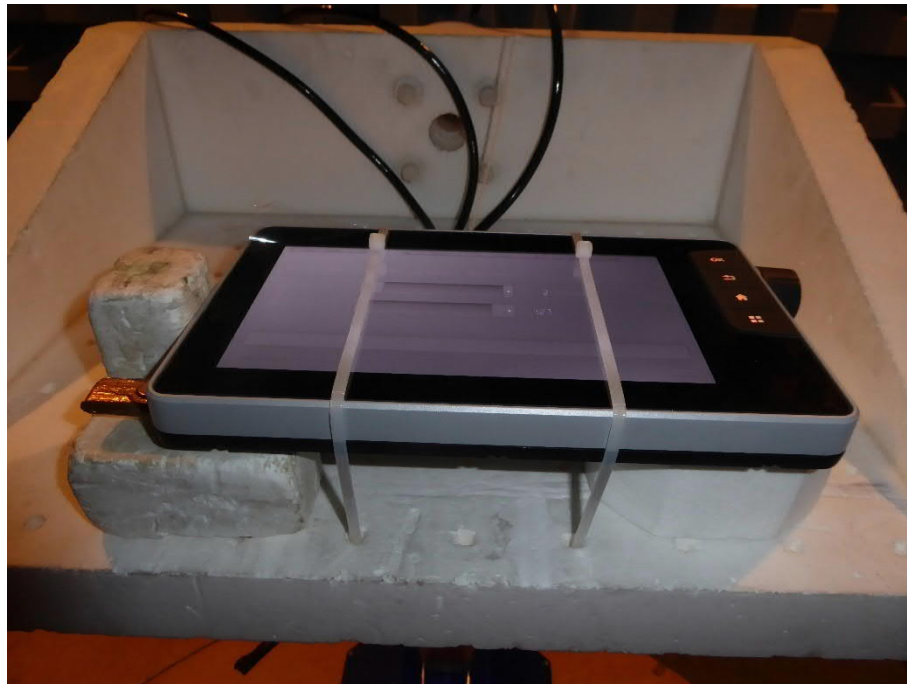
3.4 2480 MHz



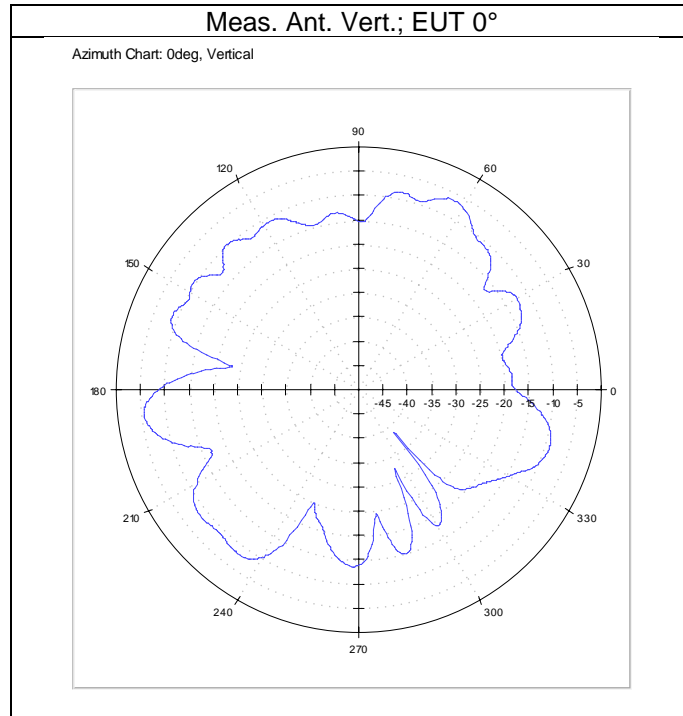
Frequency [MHz]	Elevation [°]	Max. Gain [dBi]	Azimuth Max Gain [°]
2480	0.0	-3.6	153.8

4 EUT Position 2

4.1 Test Setup Photos

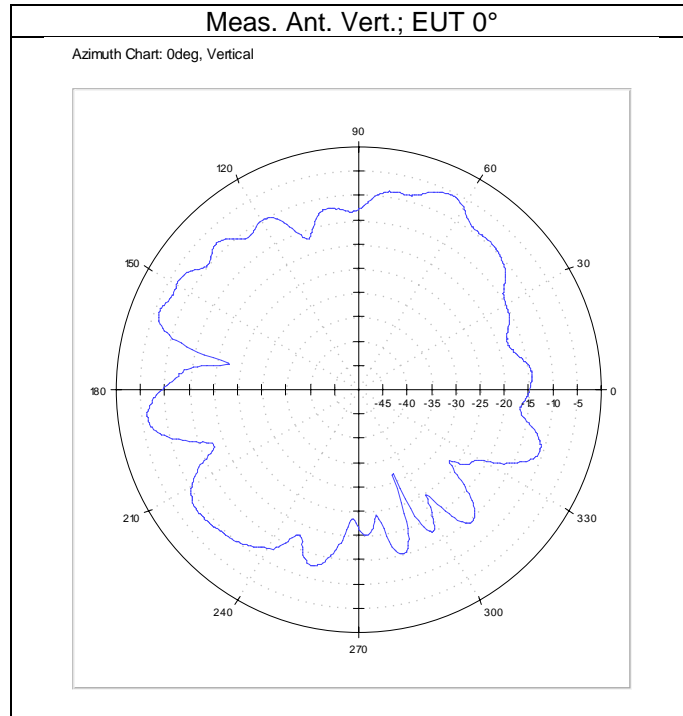


4.2 2402 MHz



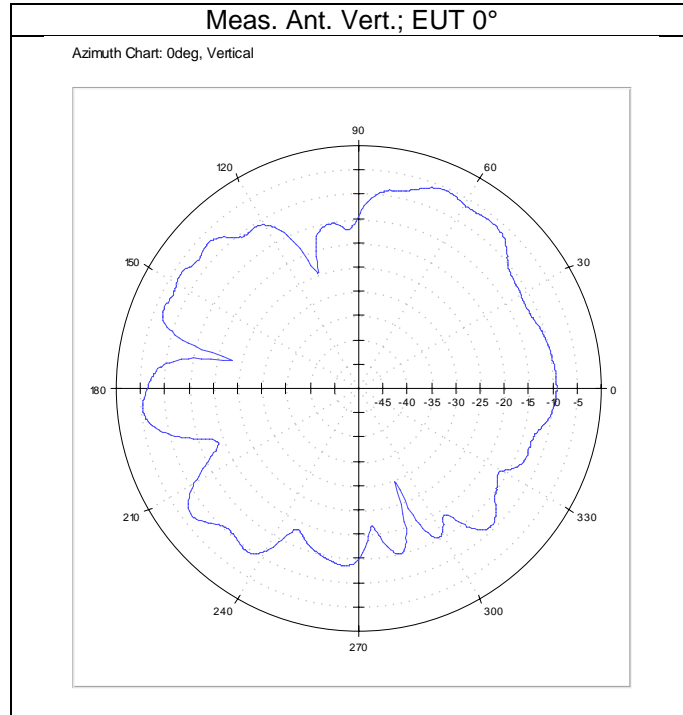
Frequency [MHz]	Elevation [°]	Max. Gain [dBi]	Azimuth Max Gain [°]
2402	0.0	-5.5	187.0

4.3 2440 MHz



Frequency [MHz]	Elevation [°]	Max. Gain [dBi]	Azimuth Max Gain [°]
2440	0.0	-5.6	64.3

4.4 2480 MHz



Frequency [MHz]	Elevation [°]	Max. Gain [dBi]	Azimuth Max Gain [°]
2480	0.0	-5.3	185.3