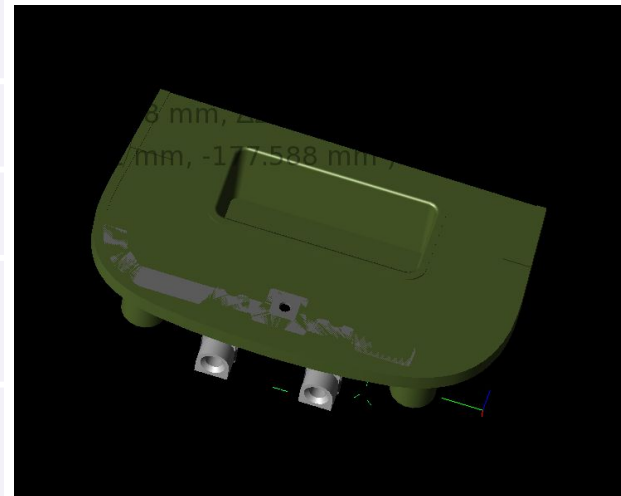
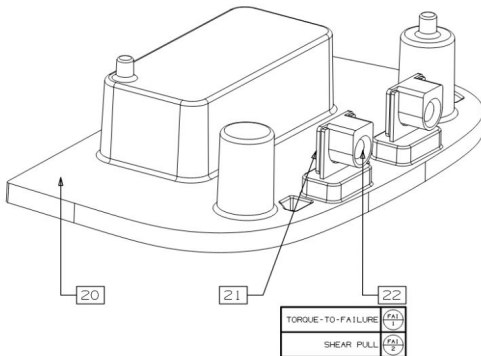


Manufacturer Name	Snap Inc.
Manufacturer Address	2772 Donald Douglas Loop N. Santa Monica, CA, 90405, USA
Antenna Model Number	432-00387-01
Supported Bands	WLAN 2.4G (Ch 1 - Ch 13) WLAN 5G (Ch 36 - Ch 173) WLAN 6E (Ch 1 - Ch 233)
Max Antenna Gain per Band	WLAN 2.4G: 3.2 dBi WLAN 5G: 3.6 dBi WLAN 6E: 4.1 dBi
Antenna Type	Internal, Inverted Multiple-L Antenna



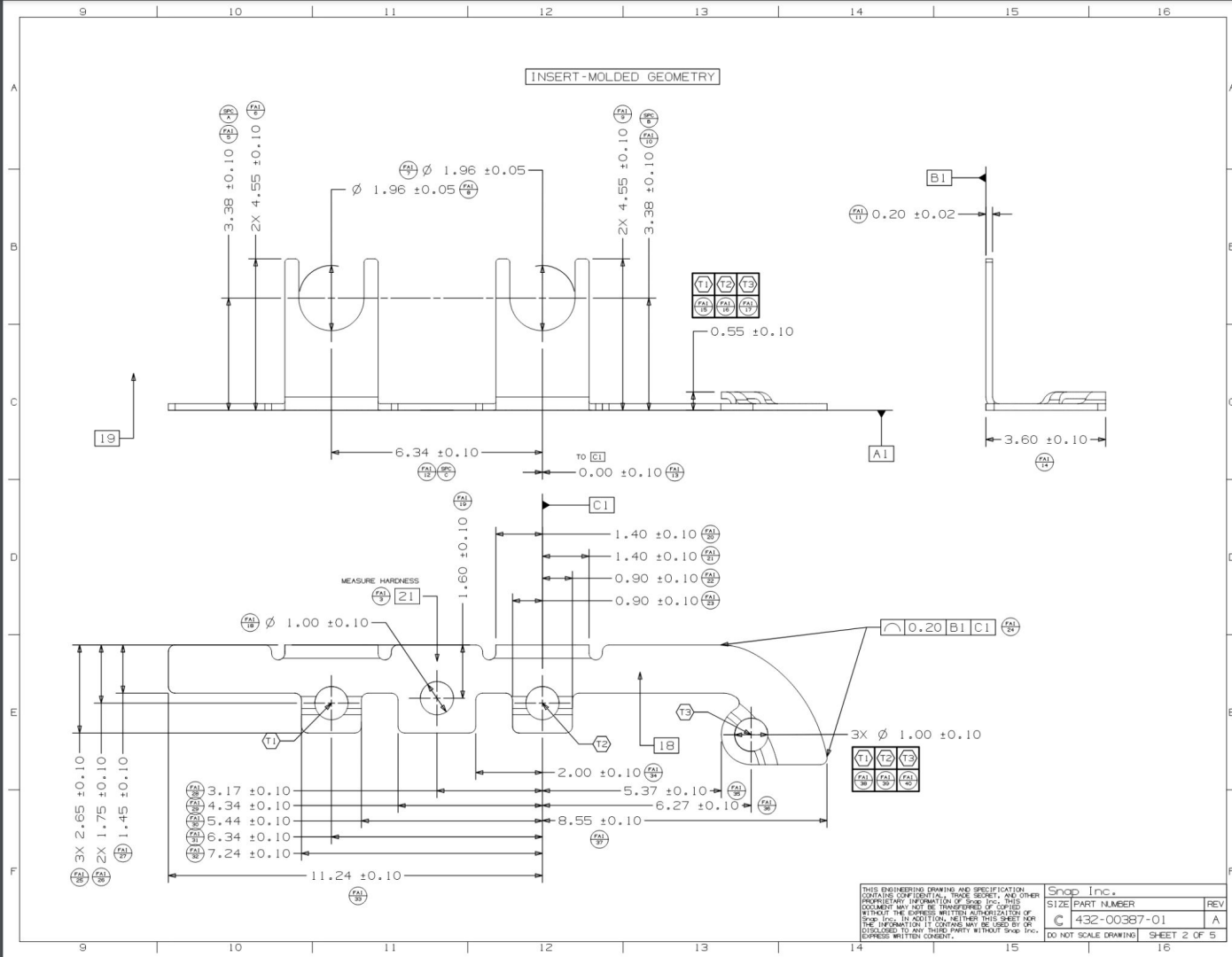
UNLESS OTHERWISE SPECIFIED:

1. ALL GEOMETRY IS TO BE DERIVED FROM THE 3D CAD DATABASE. DRAWING SHALL BE USED TO INDICATE CRITICAL DIMENSIONS AND TOLERANCES ONLY AND SHALL BE USED AS REFERENCE UNLESS OTHERWISE INDICATED.
2. FIRST ARTICLE INSPECTION TO BE CONDUCTED ON DIMENSIONS INDICATED BY (20).
3. STATISTICAL PROCESS CONTROL (SPC): THESE DIMENSIONS SHALL BE USED FOR DETERMINATION AND QUALIFICATION OF PROCESS CAPABILITY (CP, CPK).
4. IN THE ABSENCE OF DRAWING DIMENSIONS AND DATUMS, THE GEOMETRIC DATA IS BASIC. THE PLANES OF THE ABSOLUTE COORDINATE SYSTEM ARE THE DATUM REFERENCE PLANES:
X-Y PLANE = DATUM A
Y-Z PLANE = DATUM B
X-Z PLANE = DATUM C
SURFACE PROFILE TOLERANCE OF $\sqrt{0.10A|B|C}$ APPLIES TO ALL SURFACES.
5. FINAL PART MUST BE COMPLIANT WITH THE FOLLOWING ENVIRONMENTAL INITIATIVES. CERTIFICATE OF COMPLIANCE REQUIRED WITH FIRST ARTICLE INSPECTION.
 - RoHS DIRECTIVE 2011/65/EC
 - REACH REGULATION EC 1907/2006
 - HALOGEN FREE IEC 61249-2-21
 - CA PROPOSITION 65
 - 3T CONFLICT FREE
6. PART SHALL BE CLEAN AND FREE FROM FOREIGN MATERIAL, DIRT, OIL, GREASE, MOLD RELEASE, OR OTHER CONTAMINANTS ARE NOT ALLOWED.
7. SUPPLIERS ARE REQUIRED TO COMPLETE PART QUALIFICATION REQUIREMENTS PER SNAP PRODUCTION PART APPROVAL PROCESS (PPAP) PRO00013. SUPPLIER MUST NOT MAKE ANY SHIPMENTS UNLESS PPAP IS APPROVED BY SNAP QA AND PD TEAMS. AT A MINIMUM THE FOLLOWING REPORTS MUST BE SUBMITTED WITH PPAP PACKAGE:
 - a). FAI REPORT
 - b). CPK REPORT
8. PARTS TO BE PACKAGED APPROPRIATELY TO PREVENT DAMAGE DURING SHIPMENT. PACKAGING DESIGN TO BE APPROVED BY SNAP PD AND QA TEAMS.
9. FLASH NOT TO EXCEED 0.03mm UNLESS NOTED OTHERWISE.
10. PARTING LINE MISMATCH NOT TO EXCEED 0.03mm.
11. EJECTOR PIN MARKS TO BE FLUSH WITH OR NO MORE THAN 0.05mm BELOW SURFACE OF PART.
12. NO VISIBLE SHOCK LINES, STRETCH MARKS, OR OTHER TOOLING ARTIFACTS TO BE PRESENT. ANY OFFSET BETWEEN MULTIPLE STAGES TO BE LESS THAN 0.02mm.
13. PARTING LINES, EJECTOR PIN LOCATIONS, AND EJECTOR SIZE TO BE APPROVED BY SNAP PD.
14. ALL BURRS TO BE LESS THAN 0.05mm.
- 15 GATES TO BE LOCATED IN INDICATED REGIONS.
- 16 EJECTORS TO BE LOCATED ON INDICATED SURFACES ONLY.
- 17 CAVITY AND REVISION MARKINGS TO BE LOCATED IN INDICATED REGIONS.
- 18 GRAIN/ROLLING DIRECTION AS INDICATED.
- 19 BURR DIRECTION AS INDICATED.
- 20 PLASTIC HOUSING: MITSUBISHI XANTAR LDS 3720 PC/ABS
FINISH: SPI-B2
COLOR: BLACK
- 21 INSERT-MOLDED METAL: SUS 304, 1/2H, 0.15mm THICK
 - HARDNESS: 260HV - 320HV. MEASURE AT INDICATED LOCATION.
 - FINISH: ELECTROLESS NICKEL PLATING, SEMI-BRIGHT, 2um-5um THICK (8-12% P CONTENT BY WEIGHT)
- 22 WELDED CNC SCREW BOSS: SUS 304, 1/2H
 - HARDNESS: 260HV - 320HV. MEASURE AT INDICATED LOCATION.
 - FINISH: ELECTROLESS NICKEL PLATING, SEMI-BRIGHT, 2um-5um THICK (8-12% P CONTENT BY WEIGHT)
 - MEASURE TORQUE-TO-FAILURE FOR BOTH SCREW BOSS LOCATIONS. MINIMUM 0.70 kgf-cm.
 - MEASURE WELD STRENGTH IN SHEAR, PULL NORMAL TO A3 DATUM. MINIMUM 20N.

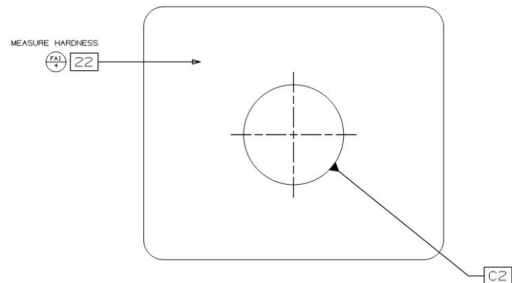
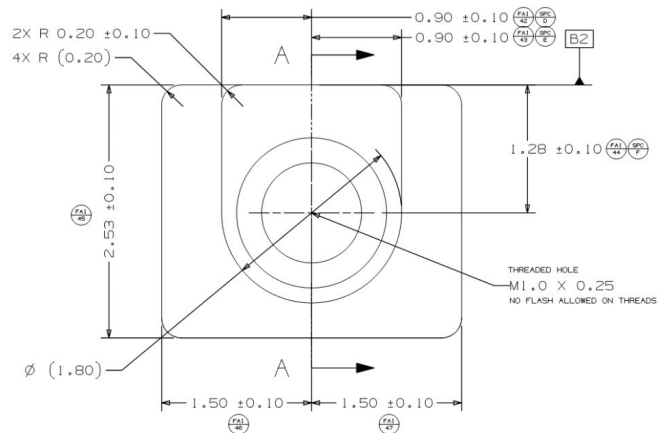


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METRIC		Snap Inc.	
FIRST RELEASED: 07/12/2023		TITLE	
PREPARED BY SNAP PD		WIFI RISER, AVALON	
APPROVED BY SNAP PD		SIZE PART NUMBER	
UNLESS OTHERWISE SPECIFIED, ALL DIMENSIONS ARE IN MILLIMETERS		C 432-00387-01	
DIMENSIONING & TOLERANCING PER ASME Y14.5-2009		REV	
THIRD ANGLE PROJECTION		A	
DO NOT SCALE DRAWING		SHEET 1 OF 5	



CNC SCREW BOSS GEOMETRY

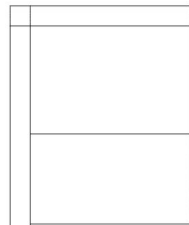


MEASURE HARDNESS

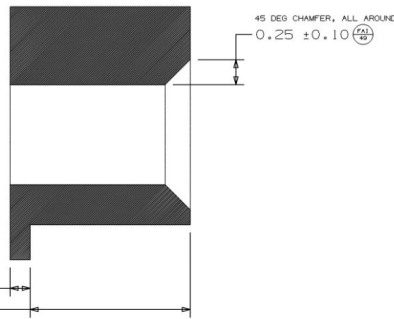
22

C2

0.20 ± 0.03
 1.60 ± 0.10



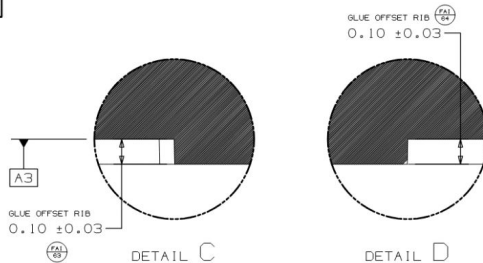
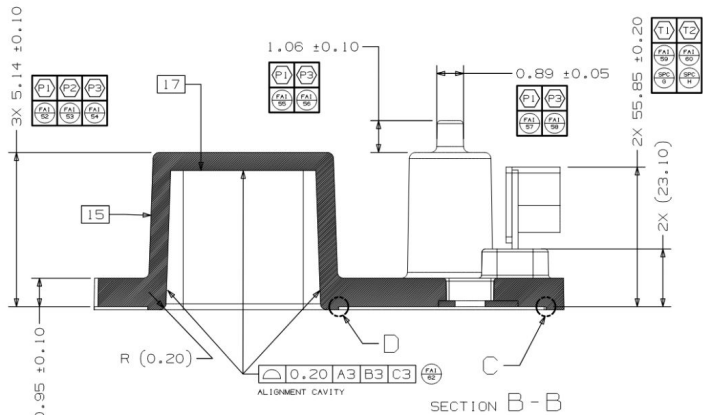
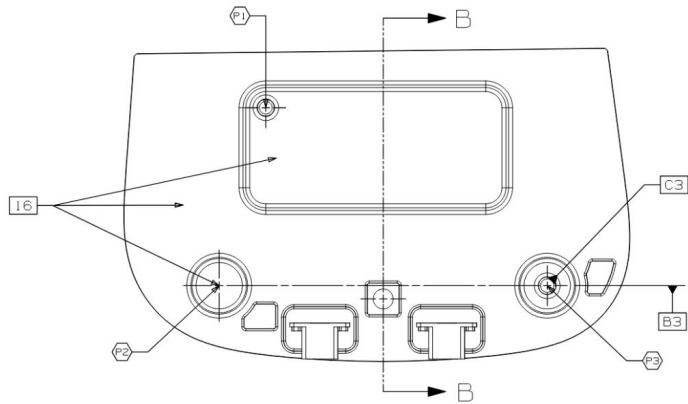
A2 0.10 (Ra)



SECTION A - A

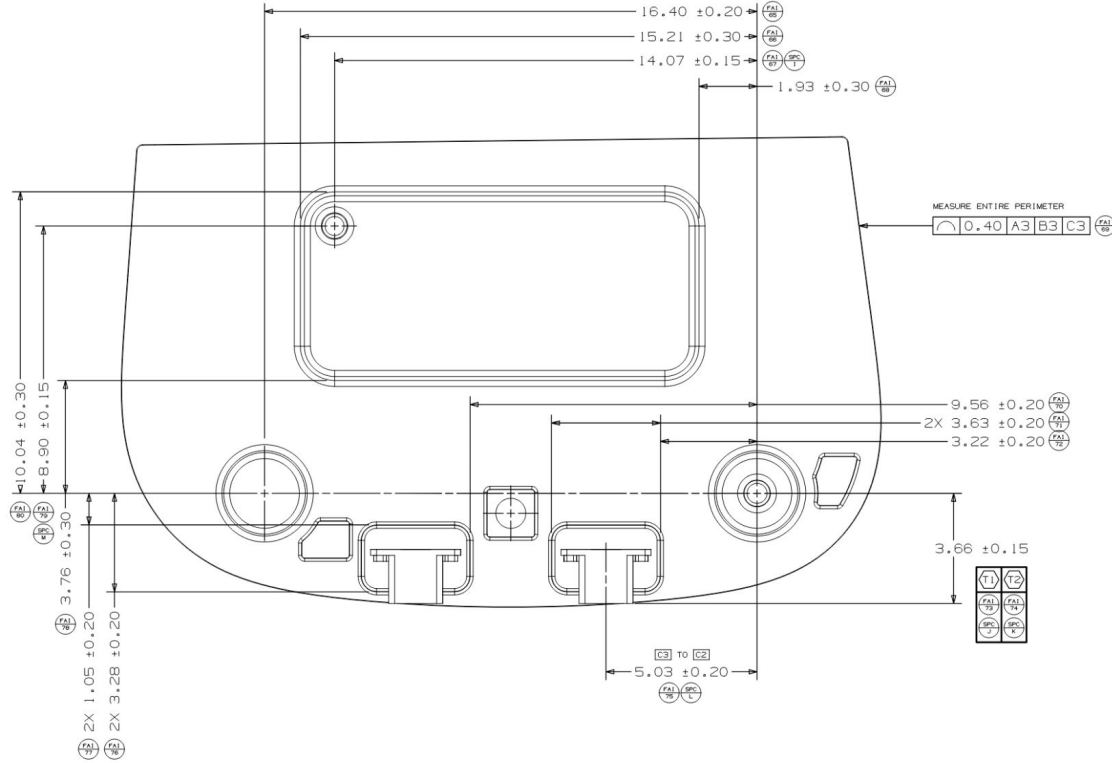
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SIZE	PART NUMBER	REV	
C	432-00387-01	A	
DO NOT SCALE DRAWING		SHEET 3 OF 5	

OVERALL MOLDED GEOMETRY



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SIZE	PART NUMBER	REV	
C	432-00387-01	A	
DO NOT SCALE DRAWING		SHEET 4 OF 5	

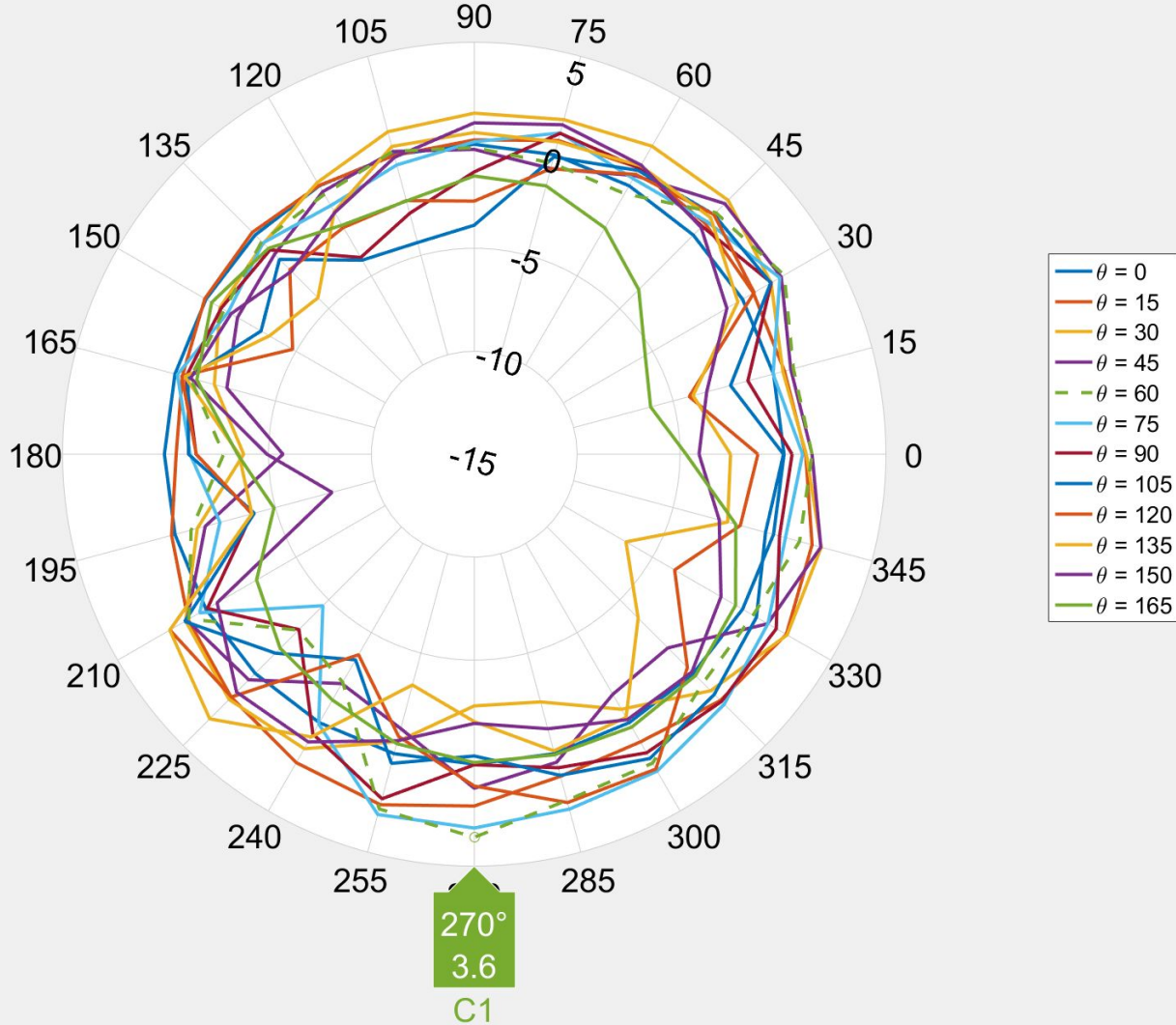
OVERALL MOLDED GEOMETRY

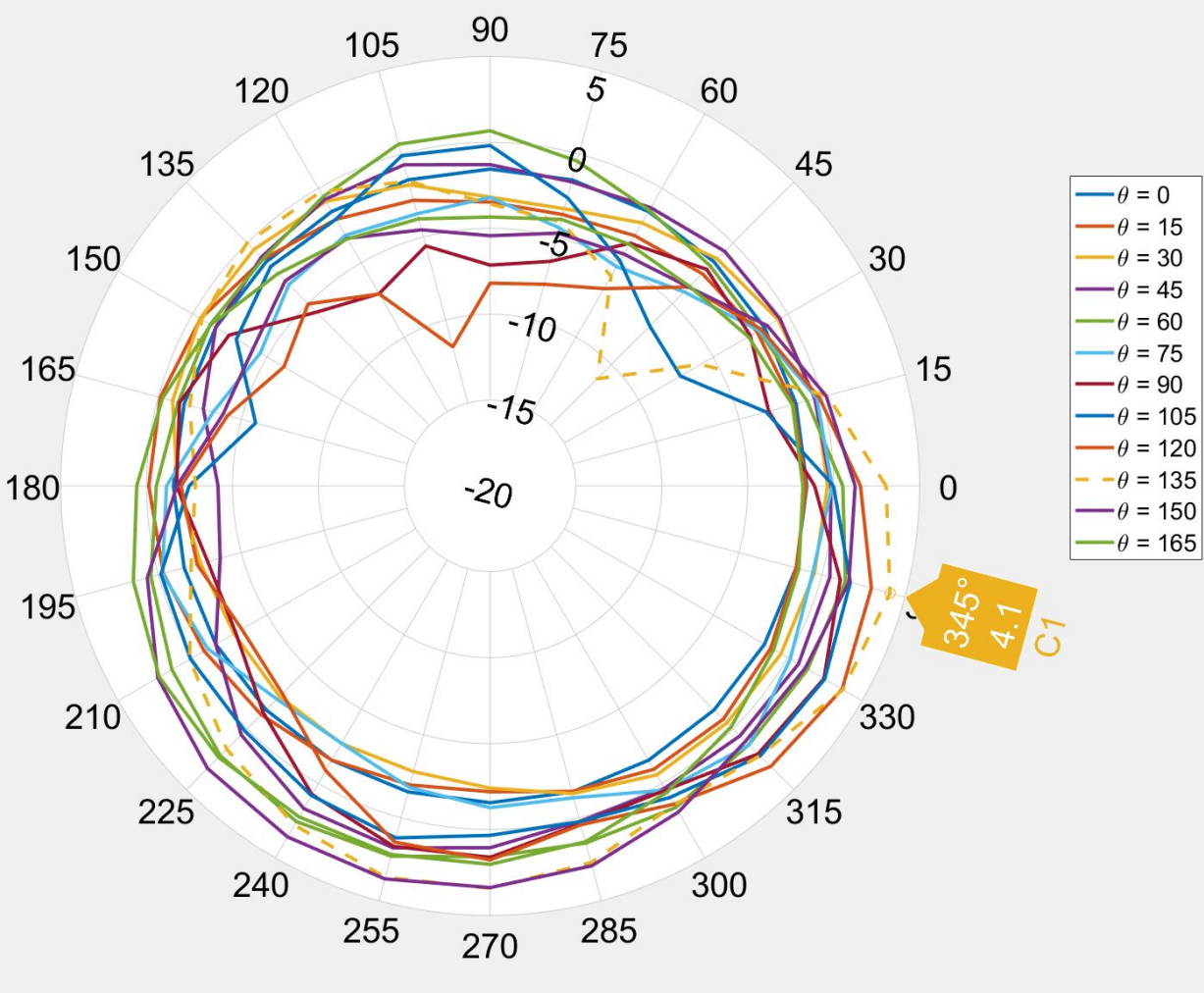


Antenna Radiation Pattern @5580 MHz

Peak Gain: 3.6 dBi

Peak Angle: Phi = 270 deg, Theta = 60 deg





Antenna Radiation Pattern @6855 MHz

Peak Gain: 4.1 dBi

Peak Angle: Phi = 345 deg, Theta = 135 deg