



Electrical Specifications

Parameter	Design Specifications
Frequency Range (MHz)	5850 - 5950 MHz
VSWR	1.92 : 1 Max
Impedance	50 Ohm
Peak Gain	5.0 dBi Typical @ 5850 ~ 5950 MHz
Average Efficiency	5150 ~ 5850 MHz ≥ 50%

Mechanical Specifications

Parameter	Design Specifications
Antenna Dimension (mm ³)	20 x 215 mm ³
Operating Temp.	-30 °C ~ +75 °C
Housing Material & Color	PC & White or Black
Connector	N-Type
Waterproof	IPX7

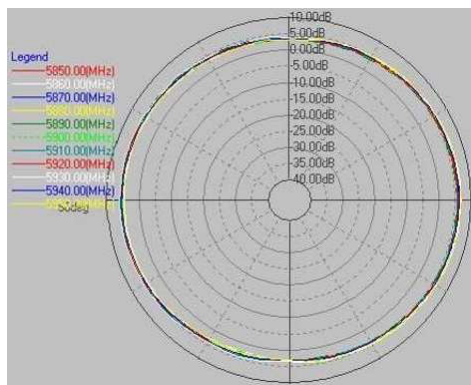
Description

The MEAS-DSRC-03Z is a small, external mount DSRC antenna for 5850 - 5950MHz. This DSRC (Dedicated Short Range Communications) antenna was designed for vehicle-to-vehicle communication for active safety control. The antenna is mounted by N-Type connector. The antenna is waterproof and rated IPX7.

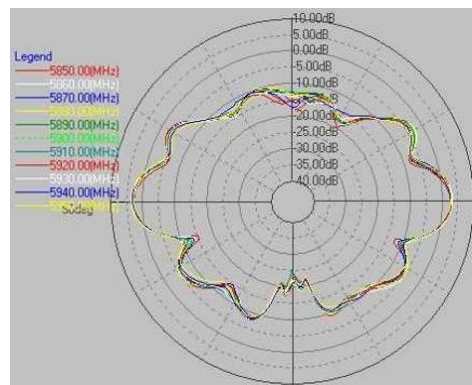
Applications

- V2V (Vehicle-to-vehicle)
- V2X (Vehicle-to-Other)

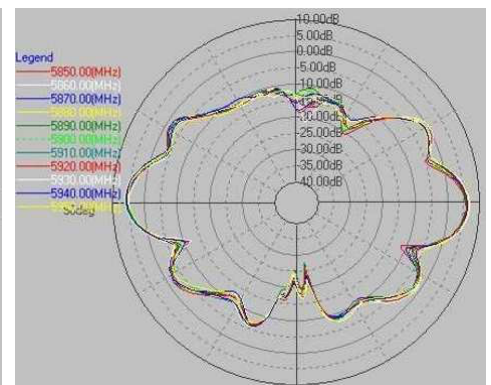
X-Y Pattern

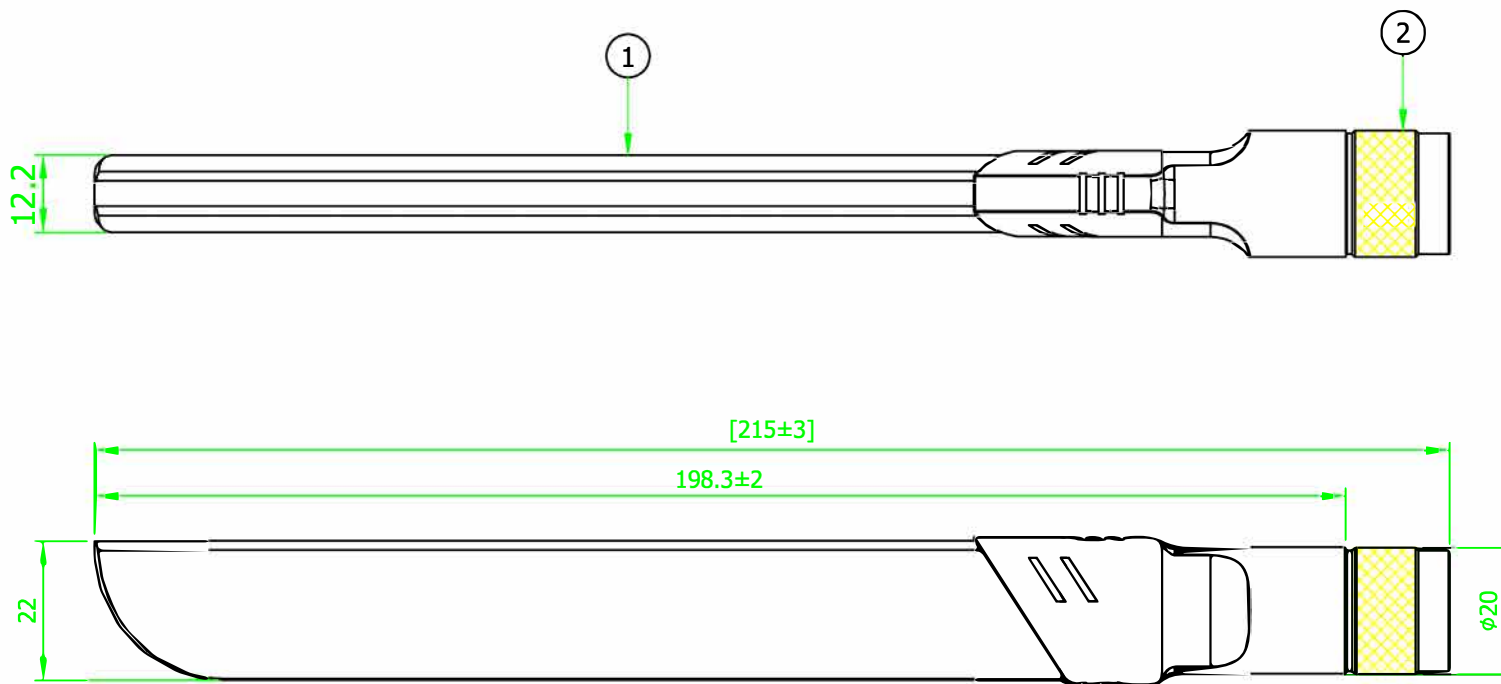


X-Z Pattern



Y-Z Pattern





DSRC Antenna:
Frequency: 5850~5950 MHz.
Waterproof level: IPX7

Note: Critical To Function Dimension Are Mark With [X...]

2	Connector	N-Type (M) ST	1	Ni Plated
1	Antenna Housing	PC	1	White or Black
NO	DESCRIPTION		Q'TY	REMARK

CUSTOMER'S SINGATURE		XX.	±5.0	APPROVED	CUSTOMER:		
		X.	±2.0		PART NO :		
		.X	±1.0	CHECKED	PARTNAME : DSRC Antenna		
		.XX	±0.5		W.Y P/NO : MEA-DSRC-03Z		
		.XXX	±0.1	DRAWING	REV	UNIT	FILE :
		A	mm		SHEET : 1/1		

MAXTENA
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