

UHF RFID Antennas' Specification



Product Name	ANS981	AN970	AN971	ANS961
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Physical				
Dimensions (L x W x D)	280 x 140x 3.2mm	260 x 260 x 30mm	575 x 260 x 33.5mm	255 x 255 x 12mm
Connectors	RP TNC_M to RPSMA_M	RP TNC_M to RP TNC_F	RP TNC_M to Type 'N'	RP TNC_M to RPSMA_M
Mounting Bracket	-	VESA support	VESA support	-
Weight	230g	1.1kg	1.9kg	200g
Casing	-	Aluminum with white plastic cover	UV Stable ASA, White	-

Operational				
Frequency Range	865 ~ 868 MHz / 902 ~ 928MHz	865MHz ~ 868MHz / 902 ~ 928MHz	865MHz ~ 868MHz / 902 ~ 928MHz	865 ~ 868 MHz / 902 ~ 928MHz
Gain	EU : 6dBiC US : 6.5dBiC	9 dBiC	9 dBiC	EU : 8dBiC US : 8.5dBiC
VSWR (Return Loss)	1.4 : 1	1.4:1	1.4:1	1.4 : 1
Front to Back Ratio	20dB	20 dB	20 dB	15dB
Polarization	LHCP	LHCP	LHCP or RHCP	LHCP
3db Beam Width	60° / 90°	70°/ 60°	70°	70°
Max Input Power	-	10 W	10 W	-
Axial Ratio	EU : 0.6dB Typical US : 1.6dB Typical	1dB typical	1 dB typical	1dB typical

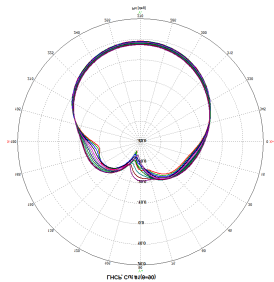
Environmental				
Operating Temperatures	-20° C to +80° C / -4° F to +176° F	-25° C to +60° C / -13° F to +140° F	-25°C to +70°C / -13°F to +158°F	-20° C to +60° C / -4° F to +140° F
Sealing	IP68	IP67	IP67	IP67
Storage Temperatures	-	-	-40°C to +80°C / -40°F to +176°F	-
Vibration	-	-	IEC-68-2-6	-
Humidity	-	-	MIL-Std 810G, METHOD507.5, Procedure II - Aggravated	-

Datasheet

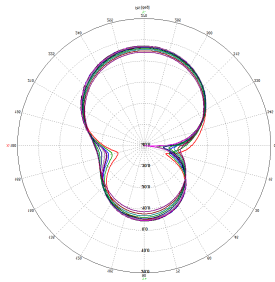
Bluebird RFID Antenna

UHF RFID Antennas' Radiation Patterns

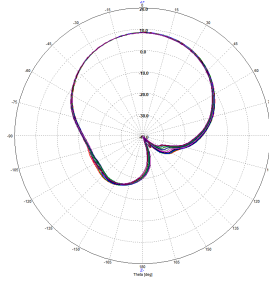
ANS961



ANS981

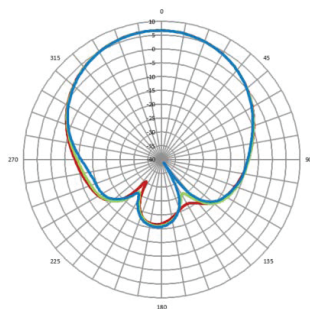


AN970

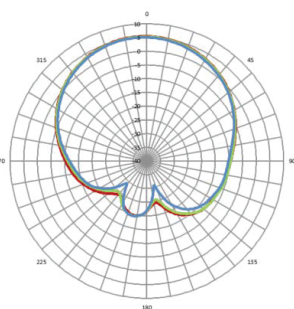


AN971

— 902 MHz — 915 MHz — 928 MHz



FCC(LHCP)



FCC(RHCP)