

QUBE 4010 921 MHz OEM RFID Antenna



QUBE 4010 921 MHz UHF RFID Antenna Specification

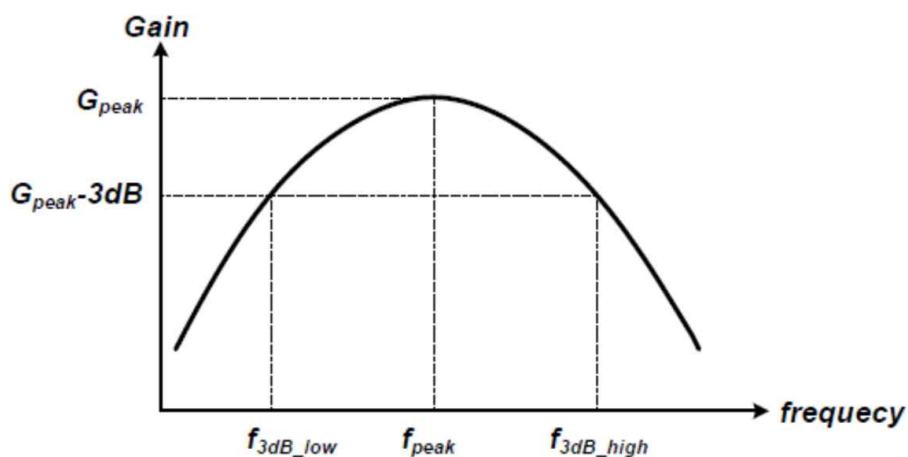


QUBE 4010 921 MHz OEM RFID Antenna

Electrical Specifications

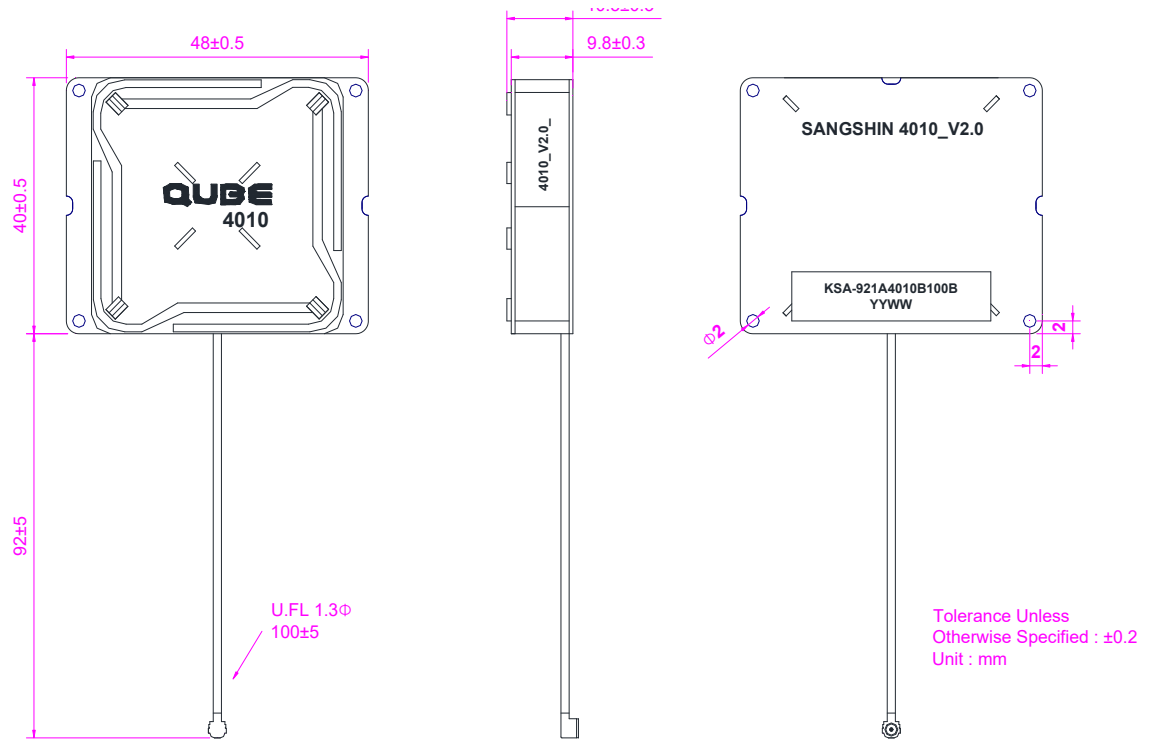
Item	Specifications			
	Min.	Typical	Max.	Unit
Center Frequency (= Fc)	917	921	925	MHz
Operating Frequency	$F_c \pm 5$	$F_c \pm 8$		MHz
Return Loss @ Operating Frequency			-15	dB
Polarization	R.H.C.P			
Peak Gain @ Fc (RHCP)		0		dBic
Gain @ Reference Antenna		-11		dB
Axial Ratio @ Fc			1.3	
Beamwidth (@3dB)	80	110		degree
Impedance		50		Ω
Operating Temperature	-30		+70	$^{\circ}\text{C}$
Weight		7.0		g

Note 1. Operating frequency is defined as frequency range between f_{3dB_low} and f_{3dB_high} .

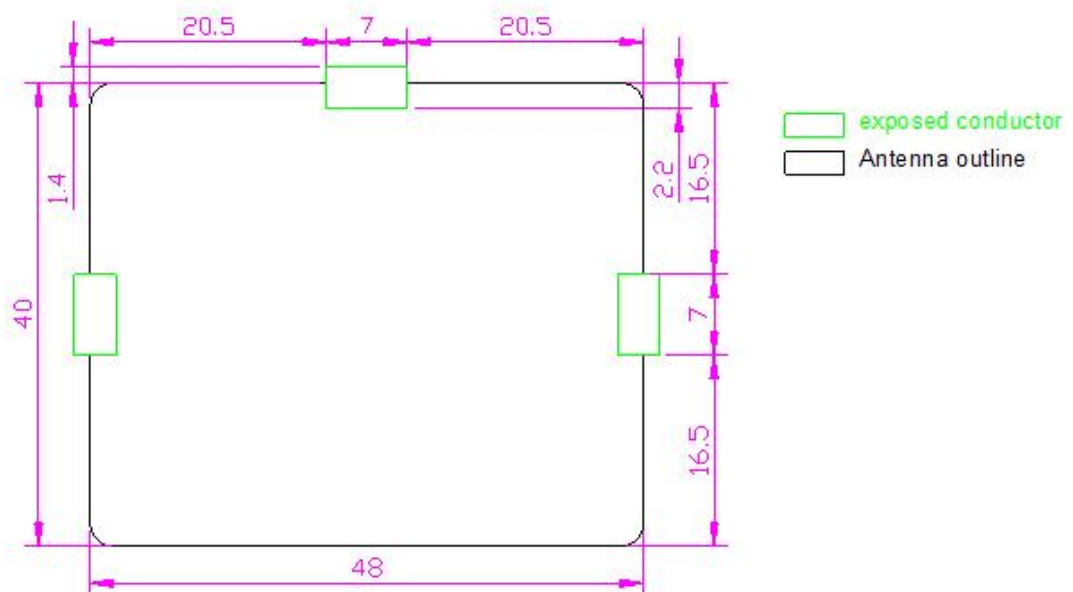


QUBE 4010 921 MHz OEM RFID Antenna

Dimensions



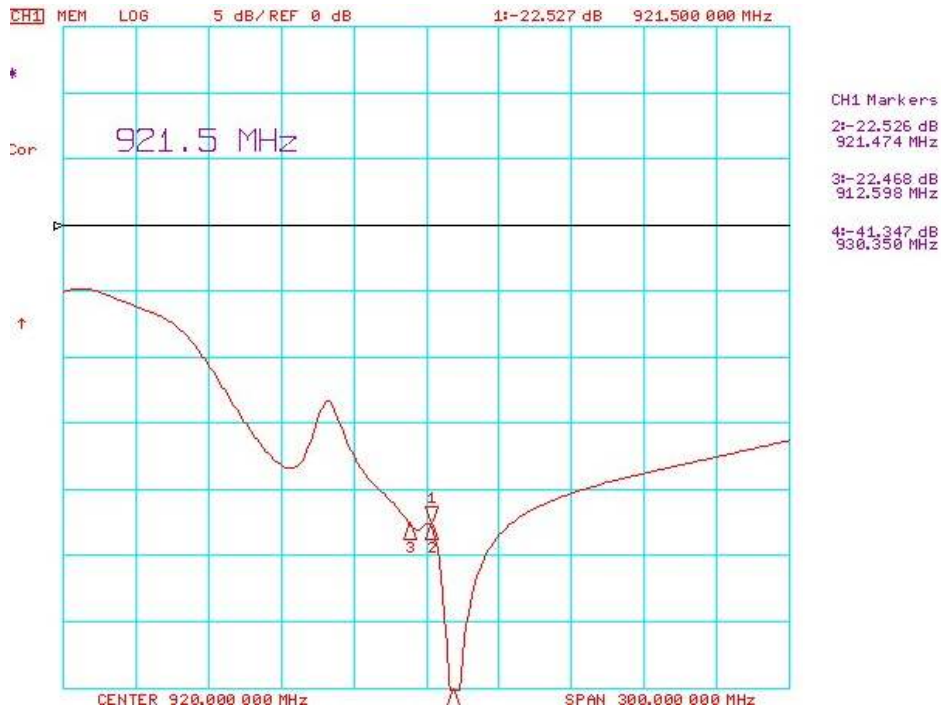
- Foot Print



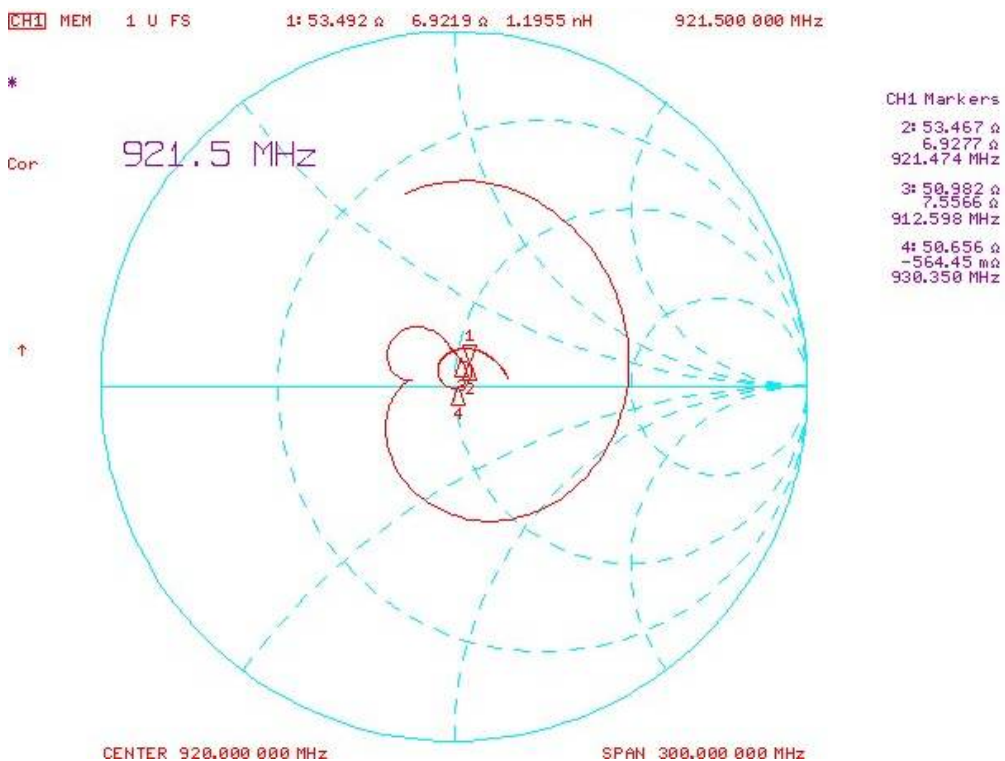
QUBE 4010 921 MHz OEM RFID Antenna

S-Parameter Data

Return loss

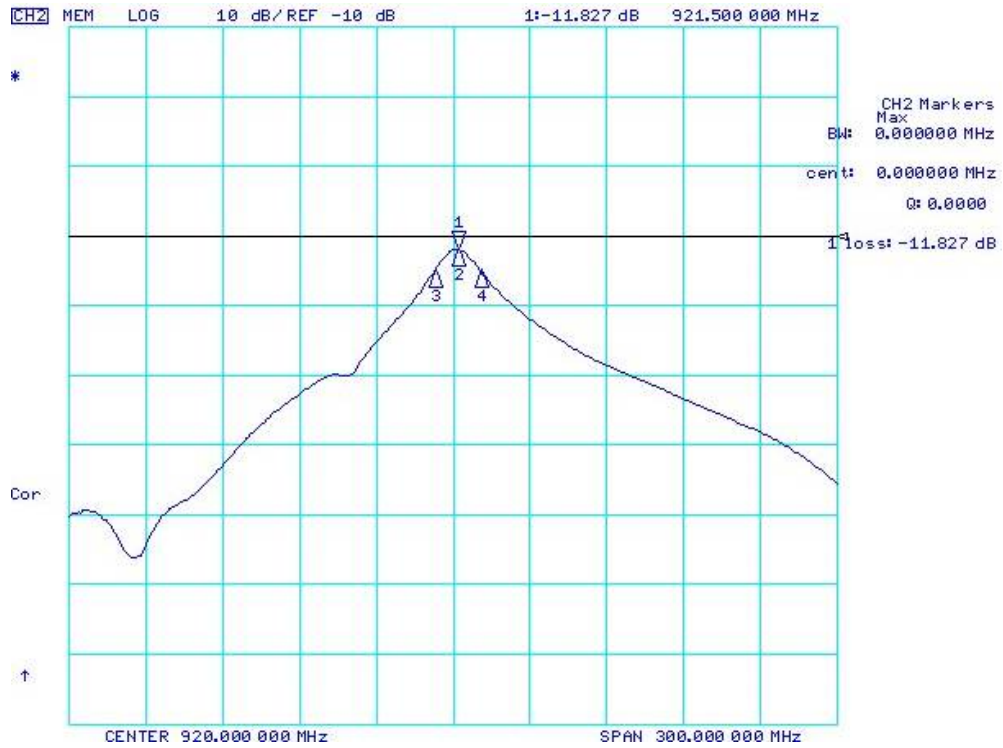


Smith Chart



QUBE 4010 921 MHz OEM RFID Antenna

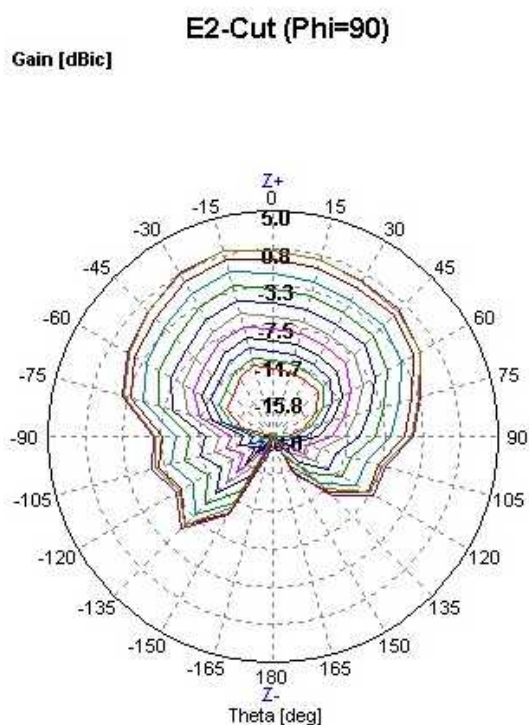
Gain (S21)



QUBE 4010 921 MHz OEM RFID Antenna

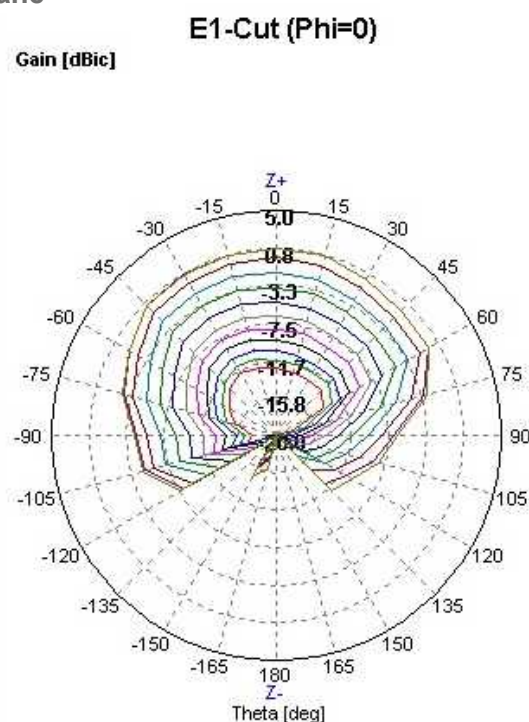
Antenna Chamber Data

E-Plane



E - plane	
Frequency [MHz]	Gain [dBic]
891	-11.91
894	-10.94
897	-9.87
900	-8.69
903	-7.39
906	-5.95
909	-4.40
912	-2.78
915	-1.15
918	-0.09
921	0.99
924	0.95
927	0.07
930	-0.99
933	-2.44
936	-3.82
939	-5.11
942	-5.88
945	-6.83
948	-7.81
951	-8.75

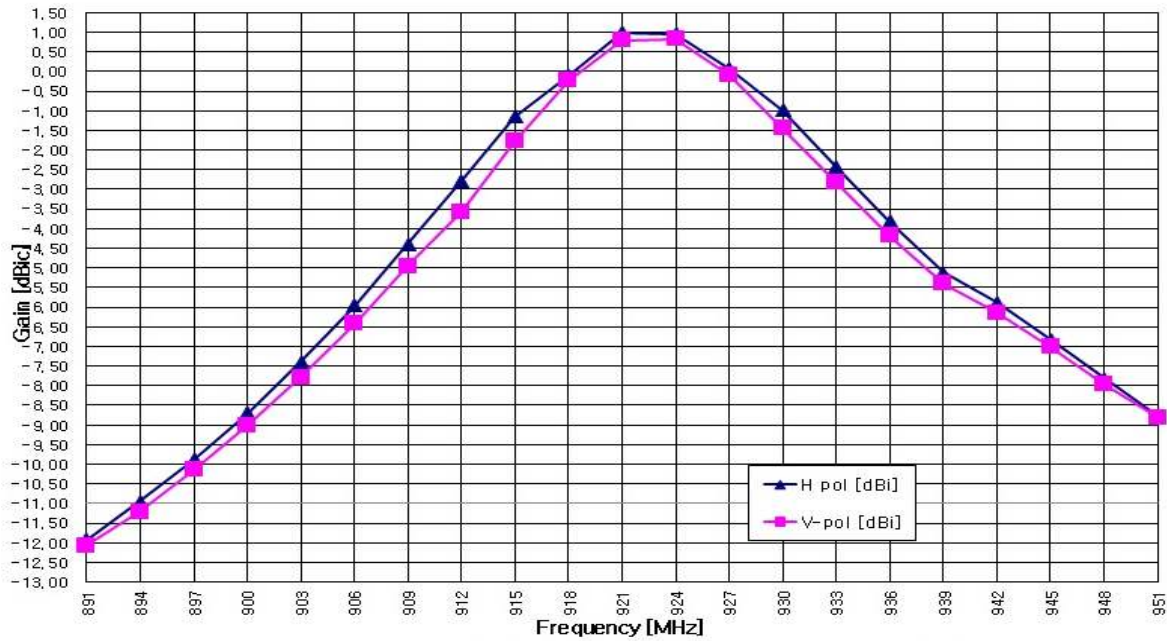
H-Plane



H - plane	
Frequency [MHz]	Gain [dBic]
891	-12.07
894	-11.20
897	-10.14
900	-9.00
903	-7.79
906	-6.42
909	-4.95
912	-3.57
915	-1.77
918	-0.23
921	0.80
924	0.83
927	-0.09
930	-1.45
933	-2.83
936	-4.18
939	-5.40
941	-6.13
944	-7.01
947	-7.97
950	-8.80

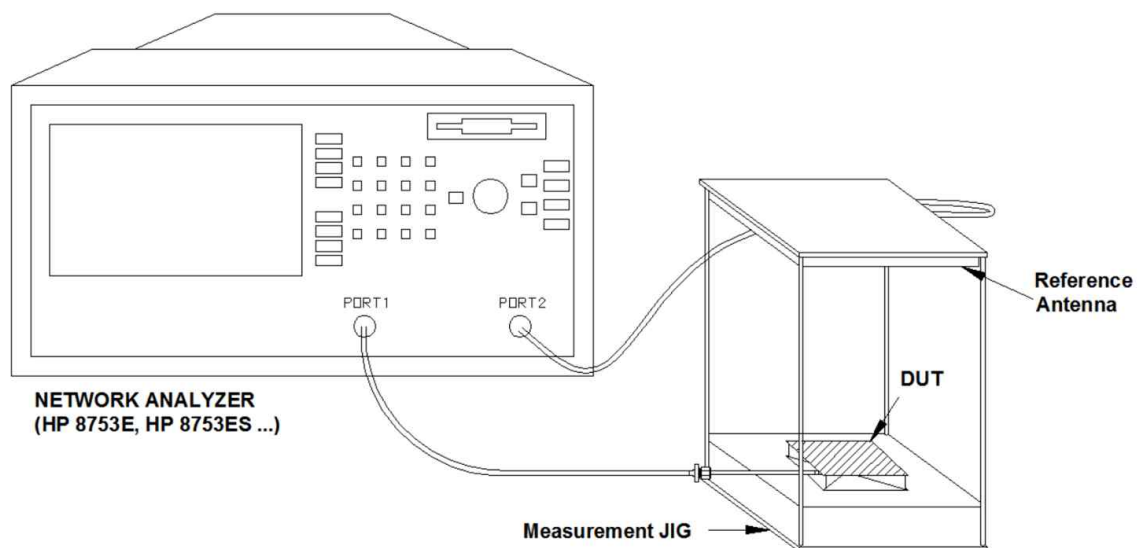
QUBE 4010 921 MHz OEM RFID Antenna

Gain vs Frequency



Measurement Condition

Parameter Measurement



QUBE 4010 921 MHz OEM RFID Antenna

Gain Measurement

