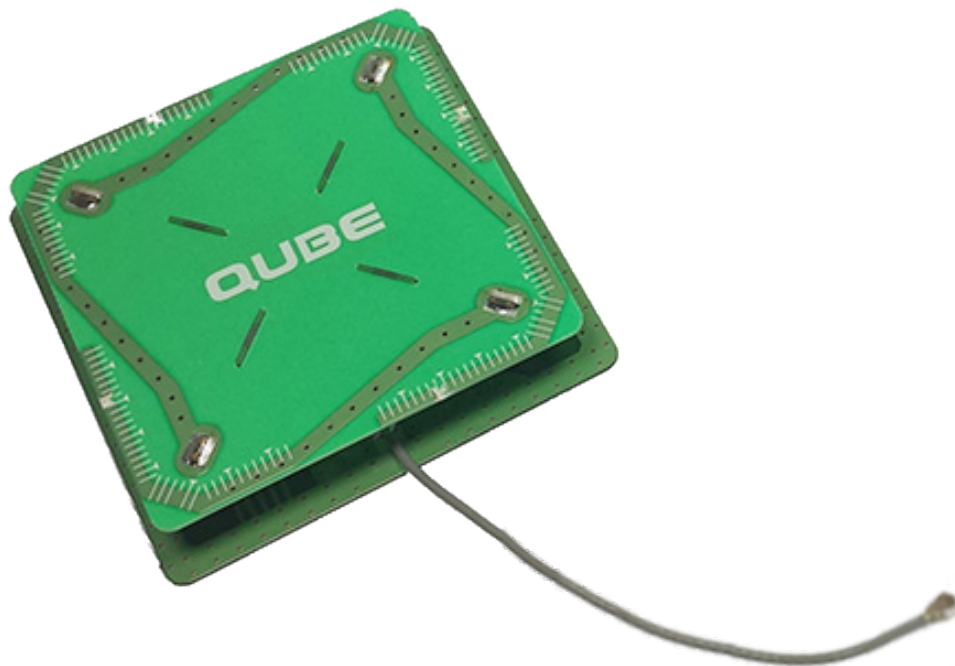


QUBE 6010 921 MHz OEM RFID Antenna



QUBE 6010 921 MHz UHF RFID Antenna Specification

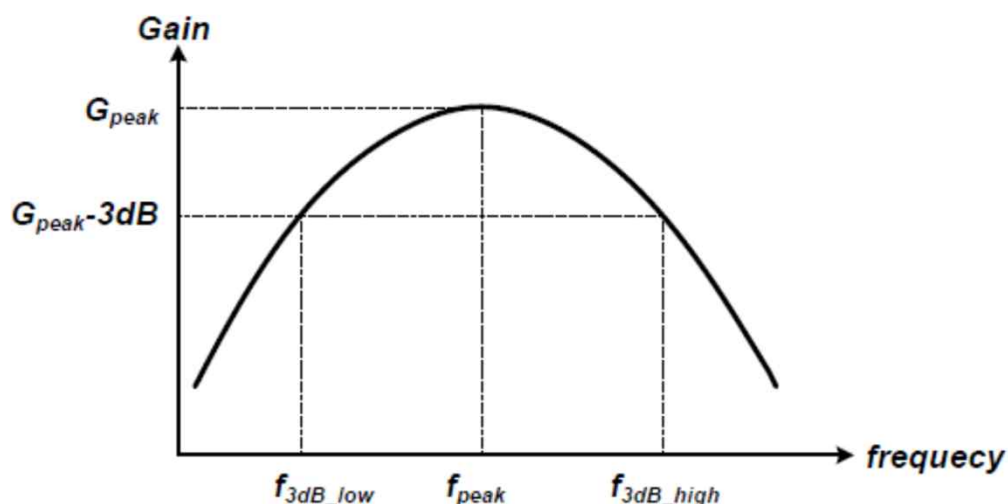


QUBE 6010 921 MHz OEM RFID Antenna

Electrical Specifications

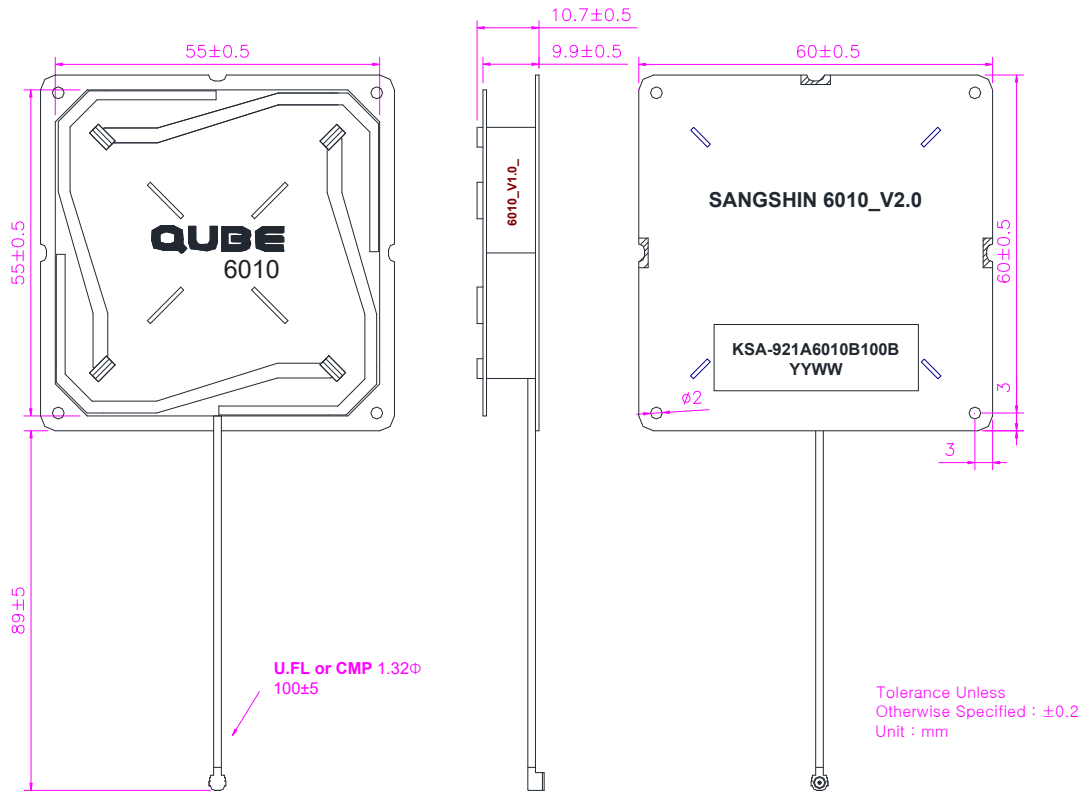
Item	Specifications			
	Min.	Typical	Max.	Unit
Center Frequency (= Fc)	917	921	925	MHz
Operating Frequency	$F_c \pm 13$	$F_c \pm 15$		MHz
Return Loss @ Operating Frequency			-15	dB
Polarization	R.H.C.P			
Peak Gain @ Fc (RHCP)		2.5		dBic
Gain @ Reference Antenna	-13	-10		dB
Axial Ratio @ Fc			1.3	
Beamwidth (@3dB)	80	100		degree
Impedance		50		Ω
Operating Temperature	-30		+70	$^{\circ}\text{C}$
Weight		14		g

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

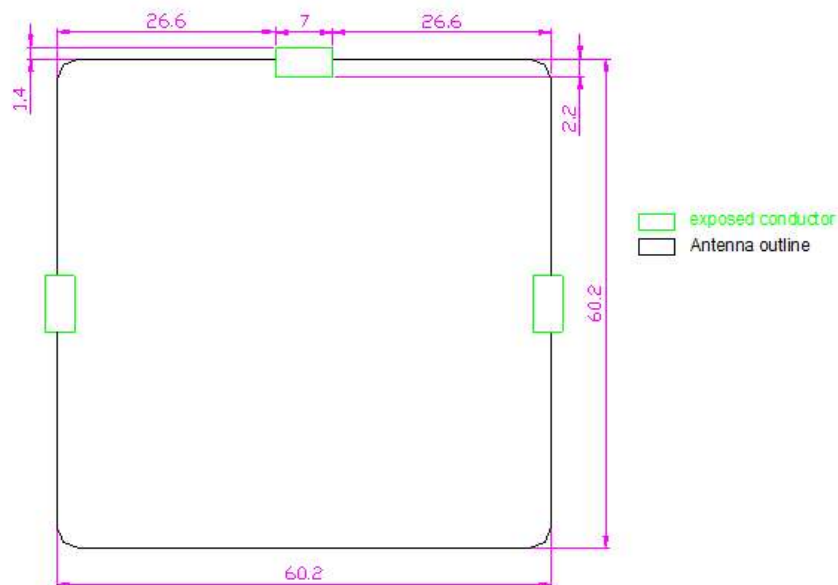


QUBE 6010 921 MHz OEM RFID Antenna

Dimensions



Footprint



QUBE 6010 921 MHz OEM RFID Antenna

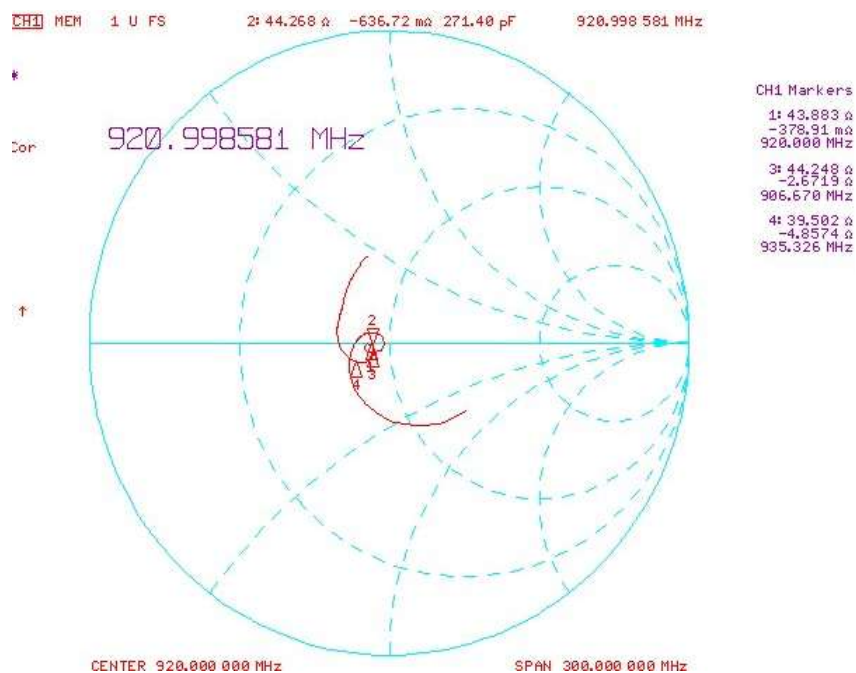


S-parameter Data

Return Loss (S11)

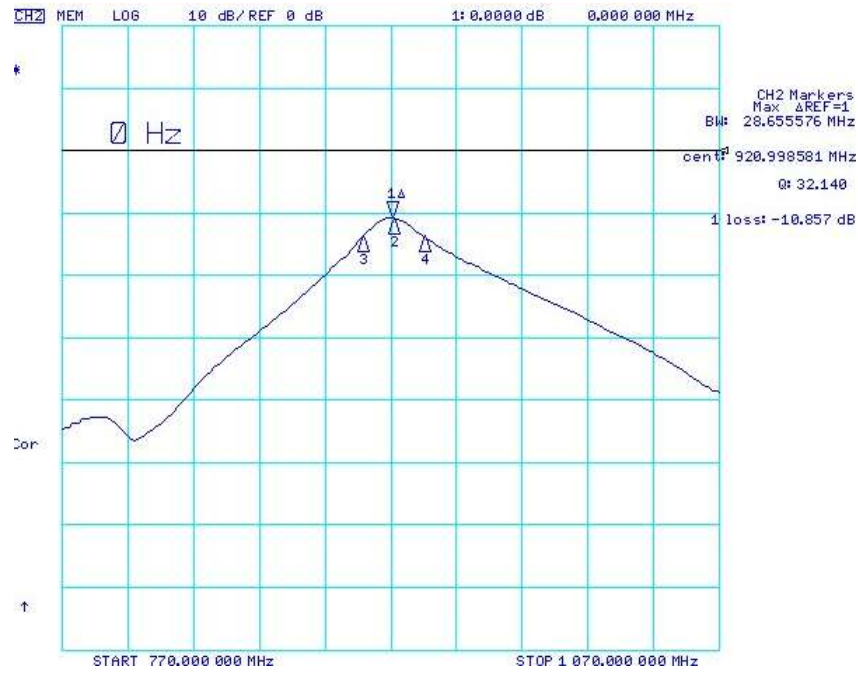


Smith Chart (S11)



QUBE 6010 921 MHz OEM RFID Antenna

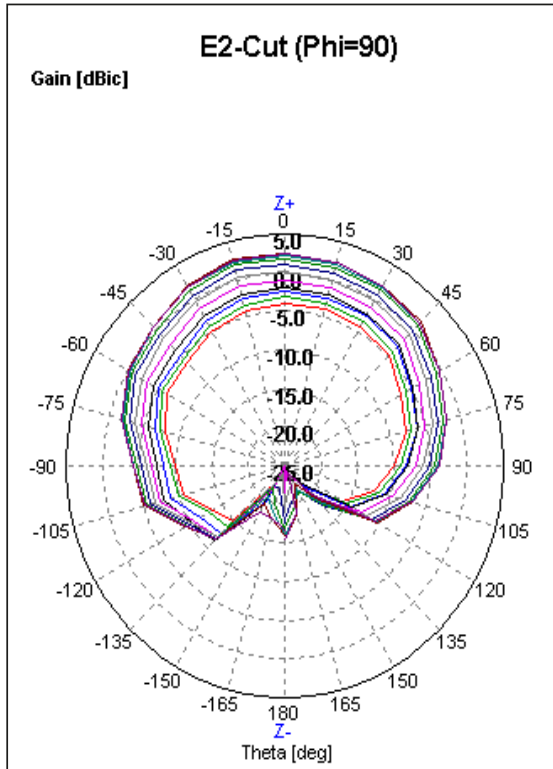
Gain (S21)



QUBE 6010 921 MHz OEM RFID Antenna

Antenna Chamber Data

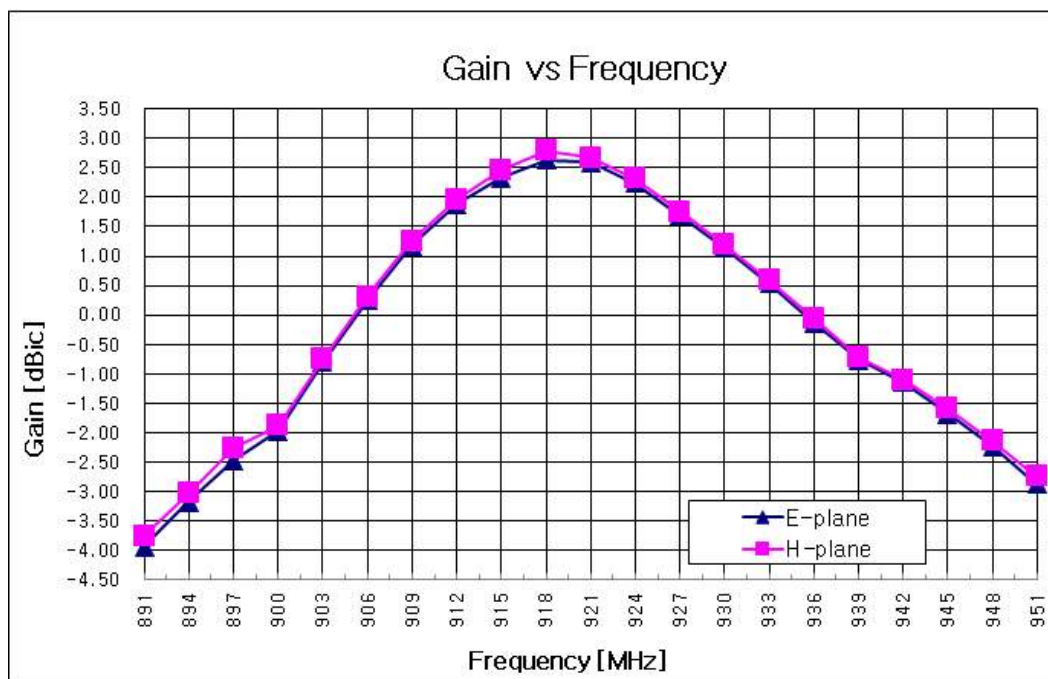
E-Plane



E - plane	
Frequency [MHz]	Gain [dBic]
891	-3.94
894	-3.18
897	-2.47
900	-1.97
903	-0.80
906	0.25
909	1.18
912	1.88
915	2.33
918	2.63
921	2.59
924	2.24
927	1.69
930	1.14
933	0.54
936	-0.13
939	-0.77
942	-1.15
945	-1.68
948	-2.23
951	-2.87

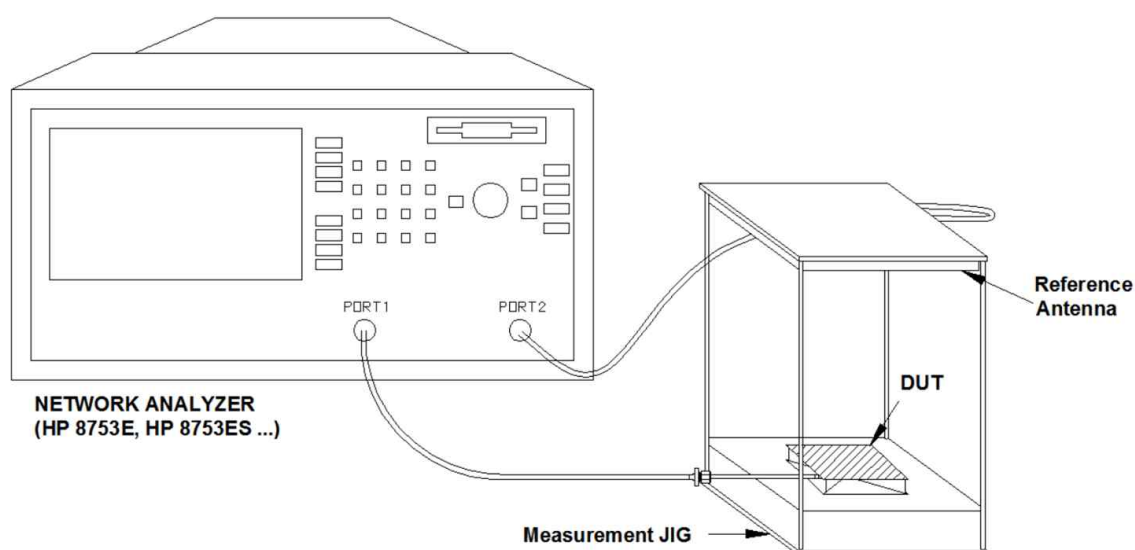
QUBE 6010 921 MHz OEM RFID Antenna

Gain vs Frequency



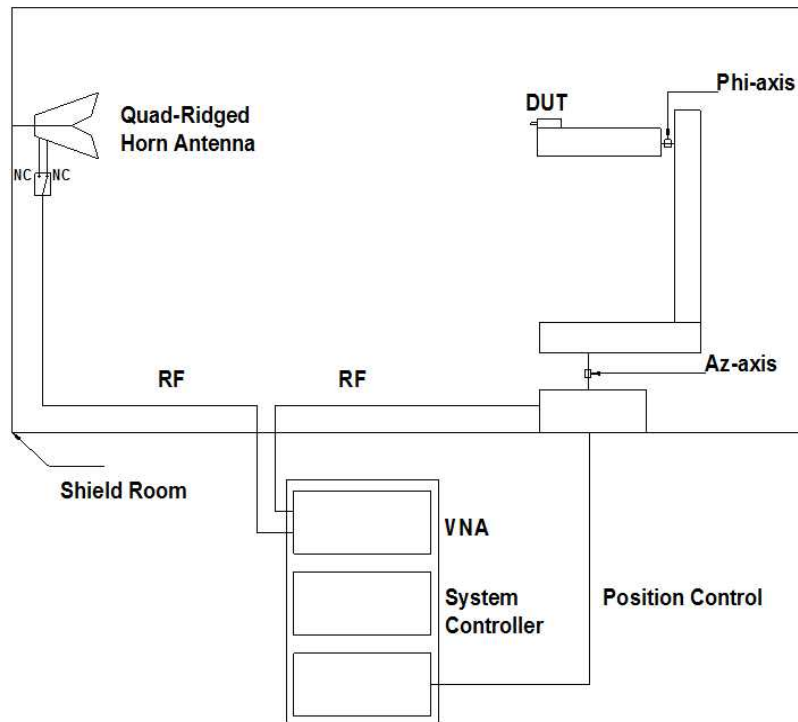
Measurement Condition

S-parameter Measurement



QUBE 6010 921 MHz OEM RFID Antenna

Gain Measurement



Revision

Revision No.	Originator	Description of Change	Date of Changes
0.2.0	SM Yun	Full specification	19-May-15