

Vivint Hub Pro DECT Antenna Specifications

2023.01.09



Agenda

- Sample Picture
- Antenna specifications
 - Antenna Information
 - Antenna Peak Gain
- Antenna Outline
- Radiation Pattern



Sample Picture



Antenna Specifications

- Antenna Information :

Antenna	Type	Polarization	Brand	Model	Cable length	Connector type
DECT ANT	Dipole	Linear	WNC	95XKAB15.0GA	45mm	ipex

- Antenna Efficiency:

F1 = 1926.720 MHz

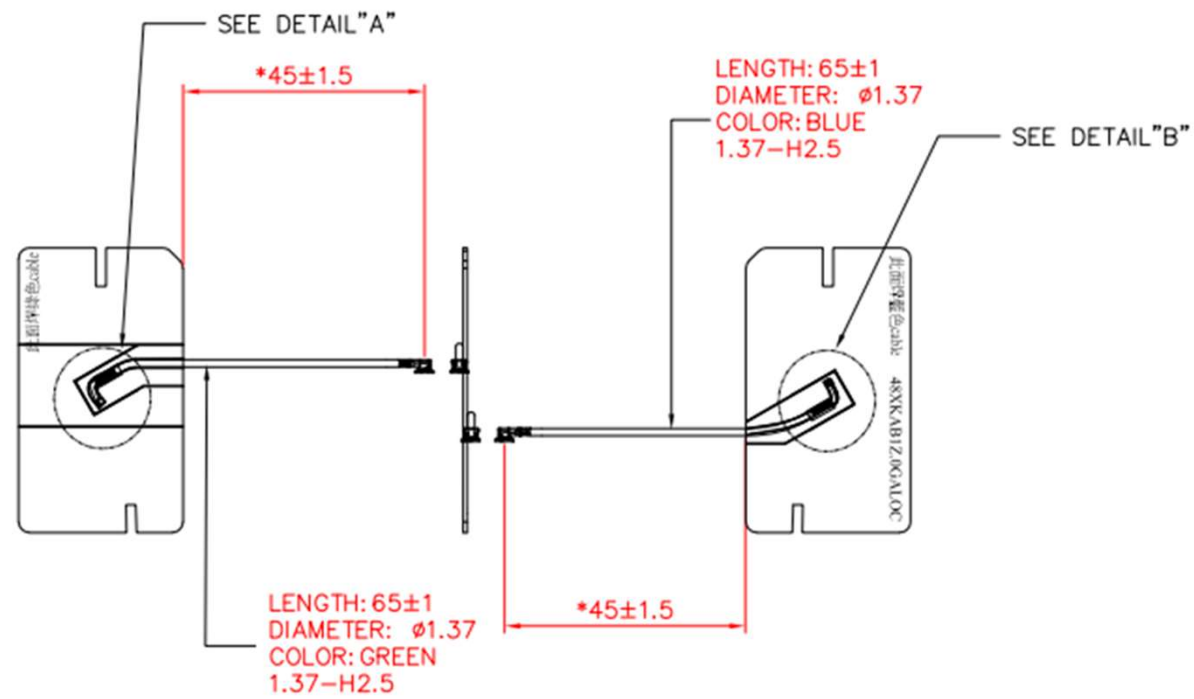
High Power 0xE3	ANT0 (0x65)	ANT1 (0x6D)	COMBINE (0x63, 237→0x08)
Conducted Power	20.7dBm	20.3dBm	0: 17.7dBm 1: 17.1dBm
Radiated Power	18.4dBm	17.9dBm	17.3dBm
Efficiency	60%	57%	49% (from 20.4dBm)

- Peak Gains:

High Power 0xE3	ANT0 (0x65)	ANT1 (0x6D)	COMBINE (0x63, 237→0x08)
Conducted Power	20.7dBm	20.3dBm	0: 17.7dBm 1: 17.1dBm
Max EIRP	24.1dBm	23.9dBm	25dBm
Associated Gain	3.4dB	3.6dB	4.6dB (from 20.4dBm)
Position Max Gain	$\Theta = 180^\circ, \varphi = 75^\circ$	$\Theta = 300^\circ, \varphi = 30^\circ$	$\Theta = 300^\circ, \varphi = 345^\circ$



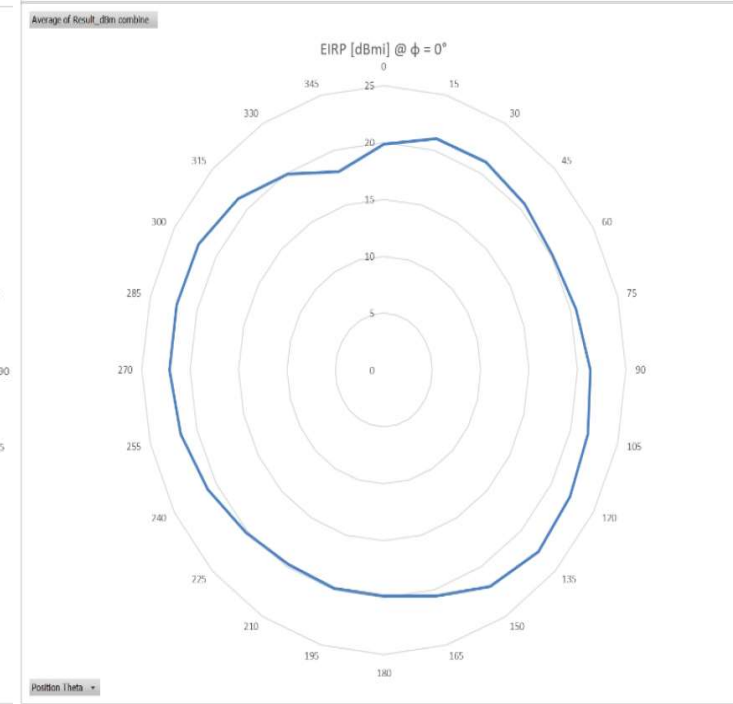
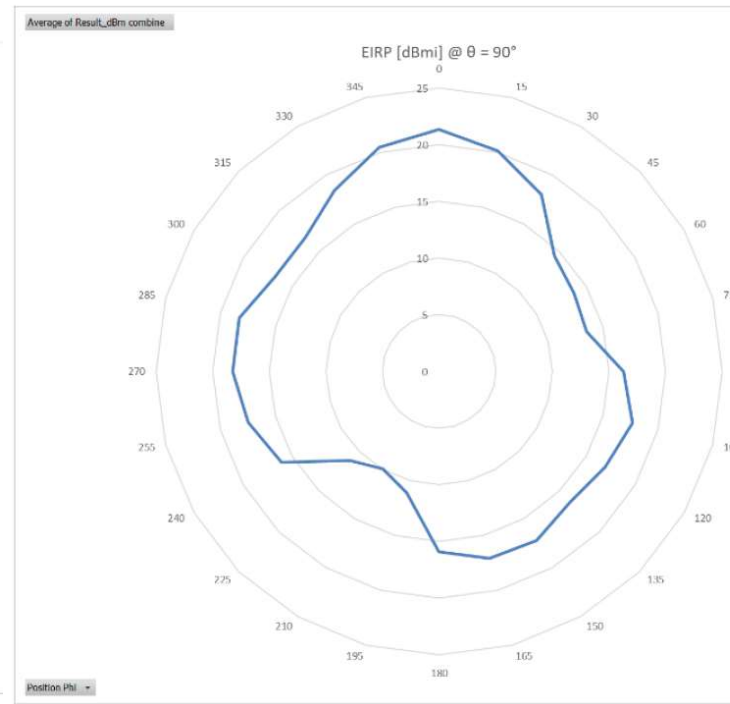
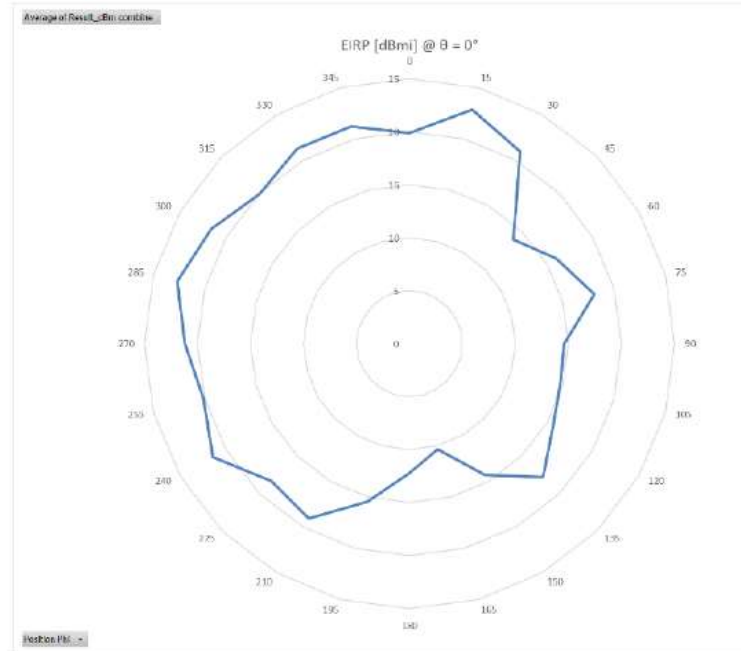
Antenna Outline



Antenna Radiation Pattern –

ANT0

EEPROM Address 19 = 0x65



Antenna Radiation Pattern

ANT1

EEPROM Address 19 = 0x6D

