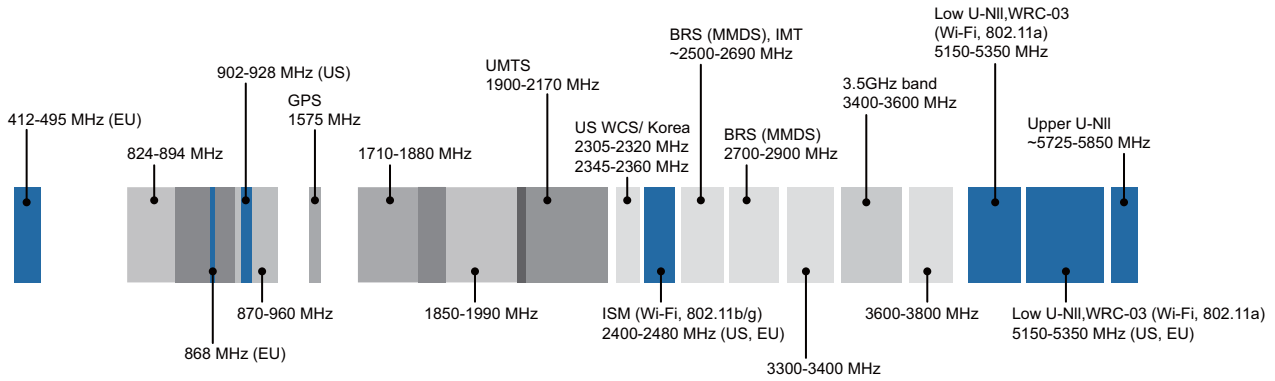


# ISM Band - Antenna for Industrial Application



CDMA/PCS (US) 824-894, 1850-1990  
 GSM (EU) 870-960, 1710-1880  
 GPS  
 UMTS 1900-2170  
 Fixed WiMAX bands  
 Mobile WiMAX bands  
 Unlicensed bands

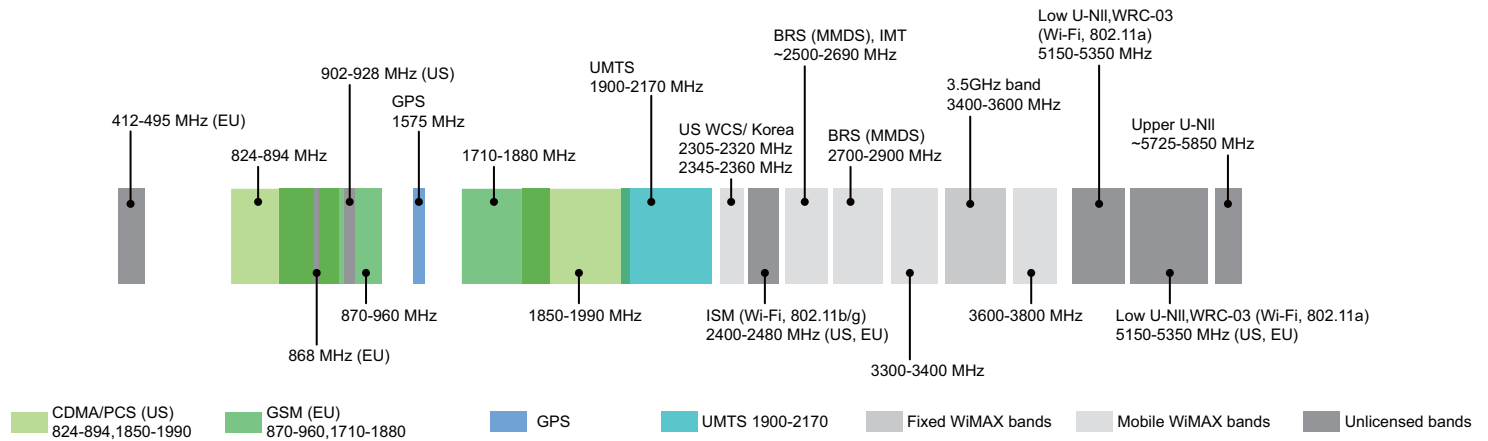
See Appendix 5

Frequency Range		412~495MHz	868~930MHz	2.4~2.5GHz(802.11b/g/n) Bluetooth		5GHz(802.11a)	2.4~2.5 & 4.9~5.875GHz(802.11a/b/g/n)	
Antenna selection	Gain	1 dBi Max	1 dBi Max	2.5dBi			11b/g 5dBi, 11a 7dBi	
	GTT P/N	IS-ISM43-02-C5	IR-ISM86-02-C5	IR-ISM24-02-C5R	IR-ISM24-03-C5R		IR-ISMDB-0507-C5R	
	Connector	SMA	SMA	RP-SMA	RP-SMA		RP-SMA	
	Dimensions	L= 50mm	L= 54mm	L= 57mm	L= 83mm		L= 193mm	
	Product Picture							
Antenna selection	Gain			2dBi	5dBi	7dBi	7dBi	11b/g 5dBi, 11a 7dBi
	GTT P/N			OS-ISM24-02-C5R	OS-ISM24-05-C0	OS-ISM24-07-C5R	OS-ISM58-07-C0	OS-ISMDB-0507-C0
	Connector			RP-SMA	N	RP-SMA	N	N
	Dimensions			L= 79mm	L= 178mm	L= 250mm	L= 178mm	L= 178mm
	Product Picture							

\* Equivalent spec may be adopted.

C0	C5	C5R	C7
STD-N Plug	STD-SMA Plug	RP-SMA Plug	STD-TNC Plug
STD-N Jack	STD-SMA Jack	RP-SMA Jack	STD-TNC Jack

# Licensed Band - Antenna for Industrial Application



See Appendix 5

Frequency Range		824-960, 1710-1990 MHz	824-960, 1710-2170 MHz	1575 MHz ± 5 MHz				824-960, 1710-2170 & GPS				
Antenna selection	Gain	0dBi	2dBi	6dBic (LNA 27dB)		6dBic (LNA 22dB)		GPS 6dBic (LNA 27dB), GSM/UMTS 0-2dBi				
	GTT P/N	IR-GSMQB-00-C5	IR-GSMPB-02-C5	OE-GPS-SQ-C5	OE-GPS-SQ-C8	OE-GPS-RD-C5	OE-GPS-RD-C8	OE-CMB-RD-C8C9		OE-CMB-RD-C5C6		
	Connector	SMA	SMA	SMA	Fakra C	SMA	Fakra C	Fakra C (GPS)	Fakra D (GSM)	SMA (GPS)	FME (GSM)	
	Dimensions	L= 87mm	L= 130mm	Cable Length = 5M		Cable Length = 5M		Cable Length = 4M		Cable Length = 4M		
	Product Picture											
	IP	IP-65	IP-67	IP-67	IP-67	IP-67	IP-67	IP-67	IP-67	IP-67	IP-67	
	Gain	0dBi	0dBi	3dBi	6dBic (LNA 27dB)		6dBic (LNA 22dB)		GPS 6dBic (LNA 27dB), GSM/UMTS 0-2dBi			
	GTT P/N	OS-GSMQB-00-C5	OS-GSMPB-00-C5	OS-UMTS-0103-C0	OE-GPS-SQ-C5	OE-GPS-SQ-C8	OE-GPS-RD-C5	OE-GPS-RD-C8	OE-CMB-RD-C8C9		OE-CMB-RD-C5C6	
	Connector	SMA	SMA	N	SMA	Fakra C	SMA	Fakra C	Fakra C (GPS)	Fakra D (GSM)	SMA (GPS)	FME (GSM)
	Dimensions	L= 46mm	L= 78.6mm	L= 178mm	Cable Length = 5M		Cable Length = 5M		Cable Length = 4M		Cable Length = 4M	
Product Picture												

\* Equivalent spec may be adopted.

Antenna Pig-tail Interface Platform (U.FL, H.FL, MMCX, MCX Available)								
C0	C3	C4	C5	C5R	C6	C7	C8	C9
N Plug	SMC Plug	SMB Plug	SMA Plug	RP-SMA Plug	FME Plug	TNC Plug	Fakra C	Fakra D
Panel Side Jumpers (U.FL, H.FL, MMCX, MCX Available)								
N Jack	SMC Jack	SMB Jack	SMA Jack	RP-SMA Jack	FME Jack	TNC Jack	Fakra C	Fakra D