SILEX AND TE CONNECTIVITY ANTENNA CROSS REFERENCE GUIDE

Wi-Fi 6E

					SX-PCEAX MH4 Connector			
Wi-Fi 6E Antennas	Part Number	Mounting/ Connector type	Antenna Type	VSWR	Peak Gain	FCC	EU	JP
	2118907-8	MHF/MHF4	PCB Monopole	< 1.4:1 @ 2.4GHz < 1.6:1 @ 5GHz < 1.9:1@ 6GHz	3dBi @ 2.4GHz 3.1dBi @ 5GHz 3.5dBi @ 6GHz	●	●	●
	2108857-1	MHF/MHF4	PCB Dipole	< 2.0:1 @ 2.4GHz < 2.2:1 @ 5GHz < 2.0:1@ 6GHz	2.5dBi @ 2.4GHz 4.6dBi @ 5GHz 5.0dBi @ 6GHz	●	●	●
	2344655-8	MHF/MHF4	PCB Dipole	< 2.7:1 @ 2.4GHz < 1.8:1 @ 5GHz < 1.8:1@ 6GHz	1.4dBi @ 2.4GHz 3.7dBi @ 5GHz 5.9dBi @ 6GHz	●	●	●

FCC/EU

● Class I permissive change applicable ● Class II permissive change applicable

JP

● Certified* (*Japan does not support 6GHz band.) ● Exceed EIRP limit. Can not be used

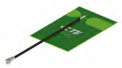
Wi-Fi HaLow

					SX-NEWAH MHF1 Connector 	
ISM Antennas for 802.11 AH	Part Number	Mounting/Connector Type	Antenna Type	VSWR	Peak Gain	FCC
	2108788-1	SMD PCB	PCB IFA	< 2.4:1	0.3dBi	●
	1513317-1	Tab mount (Through hole)	PCB IFA	< 3.0:1	3dBi	●
	2118879-1	Right angle SMA	PCB Dipole	< 2.5:1	2.0dBi	●
	1513168-1	Tab-mounted with plated holes	PCB IFA	< 2.0:1	0dbi	●
	1513156-1	SMT	PCB IFA	≤2.5:1	1.0dBi	●
	001-0002-L	RP-SMA	External Dipole	≤2.5:1	2.0dBi	●

FCC

● Class I permissive change applicable

Wi-Fi Dual-Band

						SX-PCEAC2 MH4 connector			**SX-SDMAC** u.FL connector			**SX-SDPAC** No Connector			**SX-USBAC** SMT or USB Connector		
Dual-band Wi-Fi Antennas	Part Number	Mounting/ Connector Type	Antenna Type	VSWR	Peak Gain	FCC	EU	JP	FCC	EU	JP	FCC	EU	JP	FCC	EU	JP
	2108964-1	SMT	Stamped metal IFA	< 2.0 : 1	2.7dBi @ 2.4GHz; 4.3dBi @ 5GHz	●	●	●	●	●	●	●*	●	●	●	●	●
	2108517-2	SMT	Stamped metal IFA	< 2.5:1	3 dBi	●	●	●	●	●	●	●*	●	●	●	●	●
	2118788-1	SMT	Stamped PIFA	< 2.5:1	1.9dBi @ 2.4GHz; 2.9dBi @ 5GHz	●	●	●	●	●	●	●*	●	●	●	●	●
	2118016-1	SMT	PCB IFA	< 3.0:1	2 dBi	●	●	●	●	●	●	●*	●	●	●	●	●
	2344654-1	MHF	PCB Dipole	< 3.0:1	1.5dBi @ 2.4GHz; 5.7dBi @ 5GHz	●	●	●	●	●	●	●*	●	●	●	●	●
	2118309-1	U.FL	PCB Dipole	< 2.0 : 1	3.7dBi	●	●	●	●	●	●	●*	●	●	●	●	●
	2118060-1	MHF/u.FI	PCB Dipole	< 3.0:1	2dBi	●	●	●	●	●	●	●*	●	●	●	●	●
	001-0009	"RPSMA connector/ u.FI to RPSMA connector"	External Dipole	≤ 2.0:1	2dBi	●	●	●	●	●	●	●*	●	●	●	●	●
	RD2458-5	"SMA male/ RPSMA male/ RPTNC male"	External Dipole	<1.5:1	3dBi @ 2.4GHz; 5dBi @ 5GHz	●	●	●	●	●	●	●*	●	●	●	●	●

FCC/EU

● Class I permissive change applicable ● Class II permissive change applicable

JP

● Can be certified ● Exceed EIRP limit. Can not be used

* Antenna trace should be same as Original

Class I – Changes that do not degrade the radio characteristics reported by the original manufacturer during certification. This needs no FCC filing.

Class II – Changes that degrade the radio characteristics reported by the original manufacturer during certification, but still meets the required minimum values. Full FCC certification is not needed, but the OEM must conduct radiated tests and submit the reports to FCC for permission to use the existing certification.

Class III – Changes to the software of a Software Defined Radio transmitter that changes the frequency range than was reported by the original manufacturer during certification.

FCC detailing the permissive change policies

te.com

08/22 Original