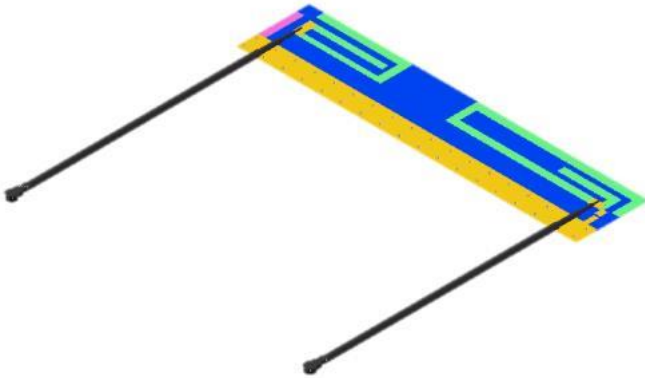


GPS/GLONASS/WLAN&GSM900/1800 Antenna

Pulse Part Number CSW0159W



Features

- Coaxial Feed
- Single Feed Point
- Total size $W \times L \times H$ (70mm \times 15mm \times 1mm)
Antenna size $W \times L \times H$ (70mm \times 10mm \times 1mm)
Ground size $W \times L \times H$ (70mm \times 5mm \times 1mm)
Not include cable
- Lead Free Materials
- Lead Free Soldering Compatible
- RoHS Compliant
- Coaxial Cable Connector:
-I.PEX Connector MHF-Series Compatible

Environmental Specifications

Operating Temperature ($^{\circ}$ C)	-40 / +85
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GPS/GLONASS/WLAN&GSM900/1800 Antenna

Pulse Part Number CSW0159W

Electrical specifications @ +25 °C- WIFI and GPS

Note: Antenna's electrical characteristics depend on test board ground plane (GP) size, antenna positioning in relative to GP, antenna distance to test board and antenna surrounding mechanics.

Frequency	Freq. 1	2400-2500 MHz
	Freq. 2	4900-5900 MHz
	Freq. 3	1500-1650 MHz
Nominal Impedance(Ω)		50
VSWR		3:1
Gain(dBi)Max	Freq. 1	3.4 Max
	Freq. 2	3.9 Max
	Freq. 3	3.9 Max
Gain(dBi)Average	Freq. 1	2.9
	Freq. 2	2.7
	Freq. 3	1.0
Efficiency(%)Average	Freq. 1	67
	Freq. 2	58
	Freq. 3	43
Power Rating, Watts		2, max

Electrical specifications @ +25 °C-DIV

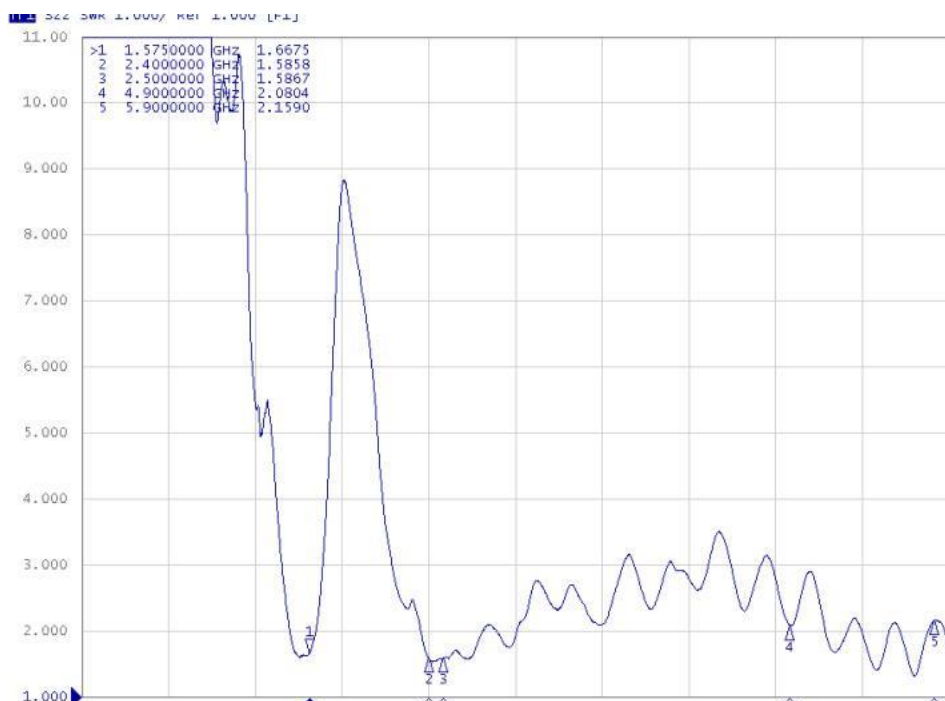
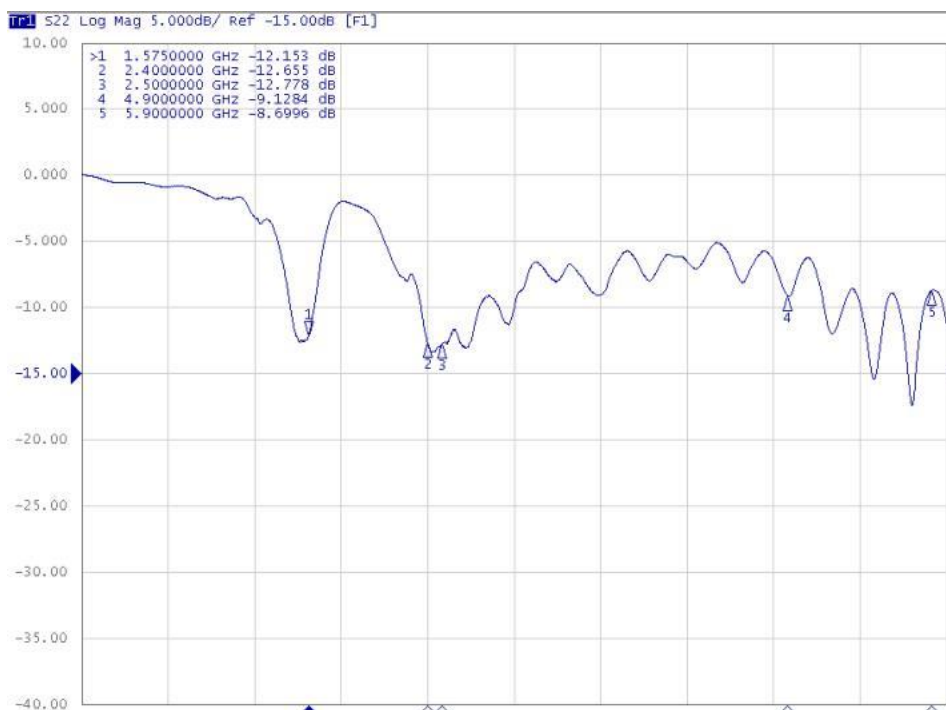
Note: Antenna's electrical characteristics depend on test board ground plane (GP) size, antenna positioning in relative to GP, antenna distance to test board and antenna surrounding mechanics.

Frequency	Freq. 1	880-960 MHz
	Freq. 2	1710-1880 MHz
Nominal Impedance(Ω)		50
VSWR		2:1
Gain(dBi)Max	Freq. 1	1.3 Max
	Freq. 2	1.9 Max
Gain(dBi)Average	Freq. 1	1.0
	Freq. 2	1.6
Efficiency(%)Average	Freq. 1	60
	Freq. 2	60
Power Rating, Watts		2, max

GPS/GLONASS/WLAN&GSM900/1800 Antenna

Pulse Part Number CSW0159W

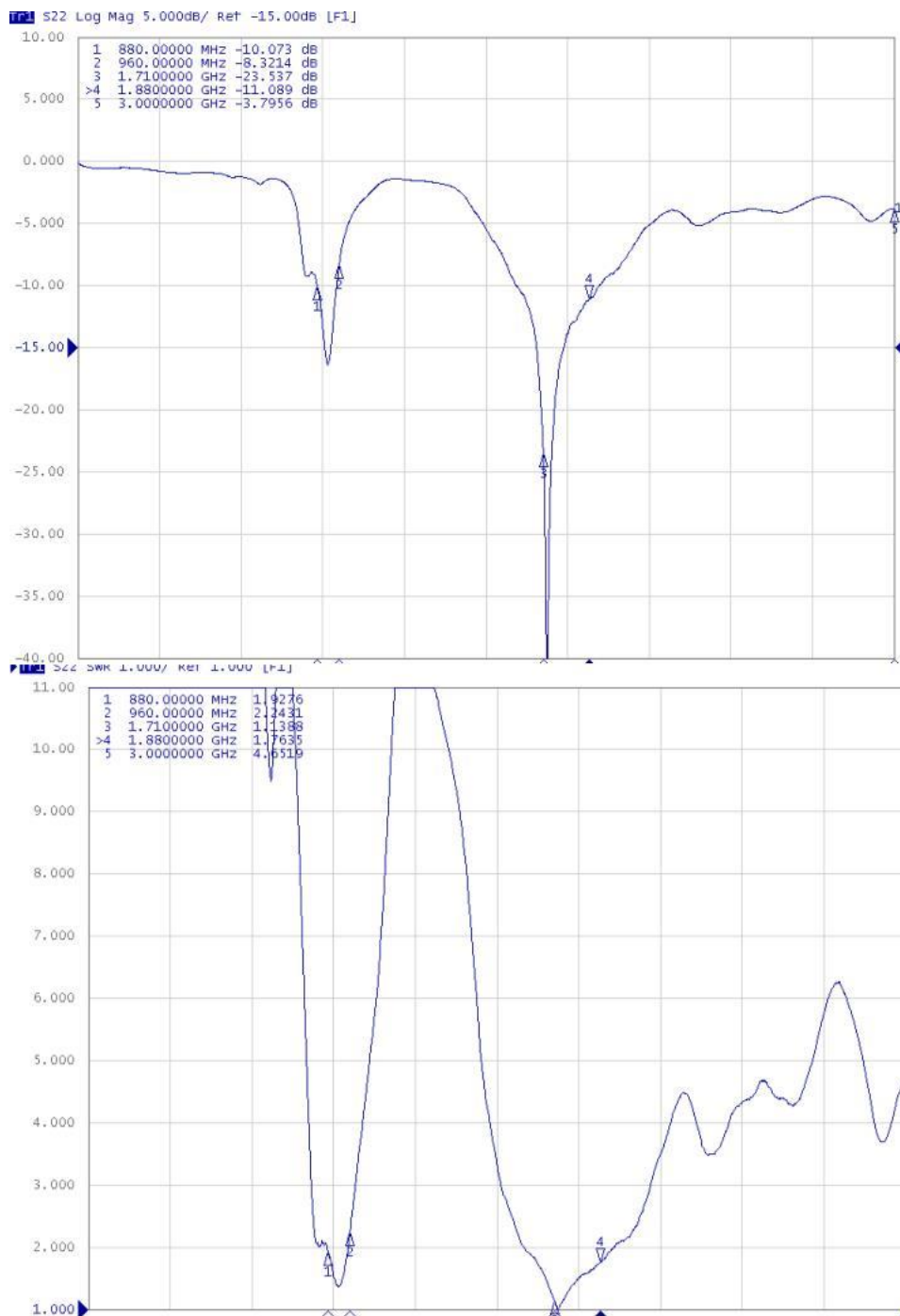
Typical electrical characteristics- WIFI and GPS



GPS/GLONASS/WLAN&GSM900/1800 Antenna

Pulse Part Number CSW0159W

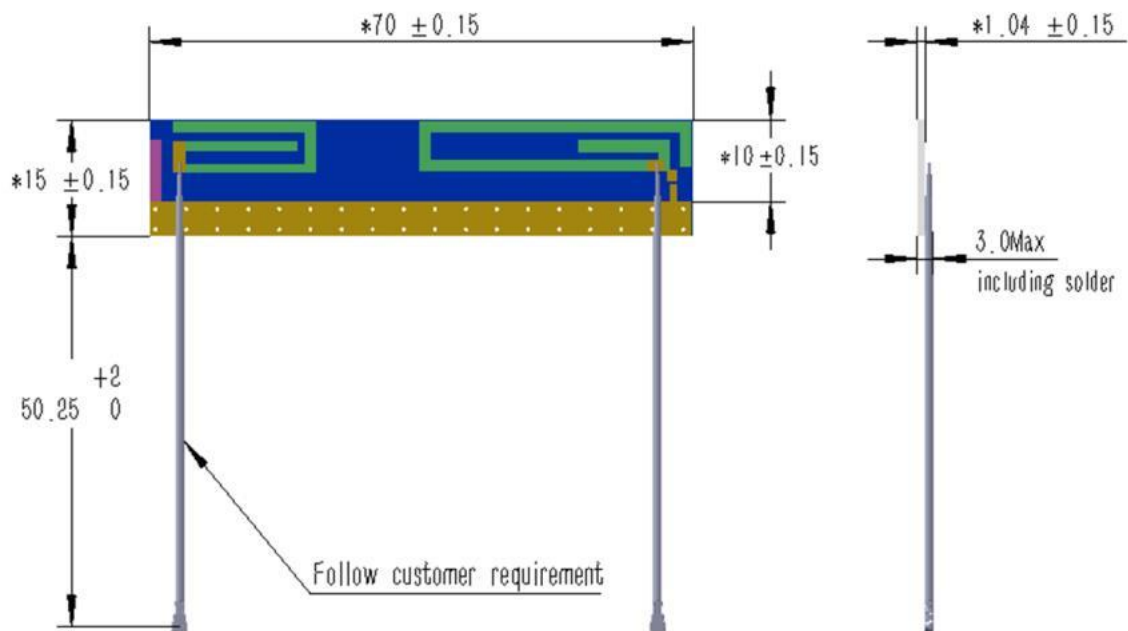
Typical electrical characteristics- DIV



GPS/GLONASS/WLAN&GSM900/1800 Antenna

Pulse Part Number CSW0159W

Antenna Dimensions and Coaxial Feed Cable



Cable length(to FPC edge)	Connector type
60mm	I-PEX MHF-4L