

Part No. WCBA-WC27SM.SPFXXX Series

26.5GHz WC27 Flexible Cable Assembly SMA(M)-SMP(F)



Features:

- Low Loss, Low VSWR
- High Reliability



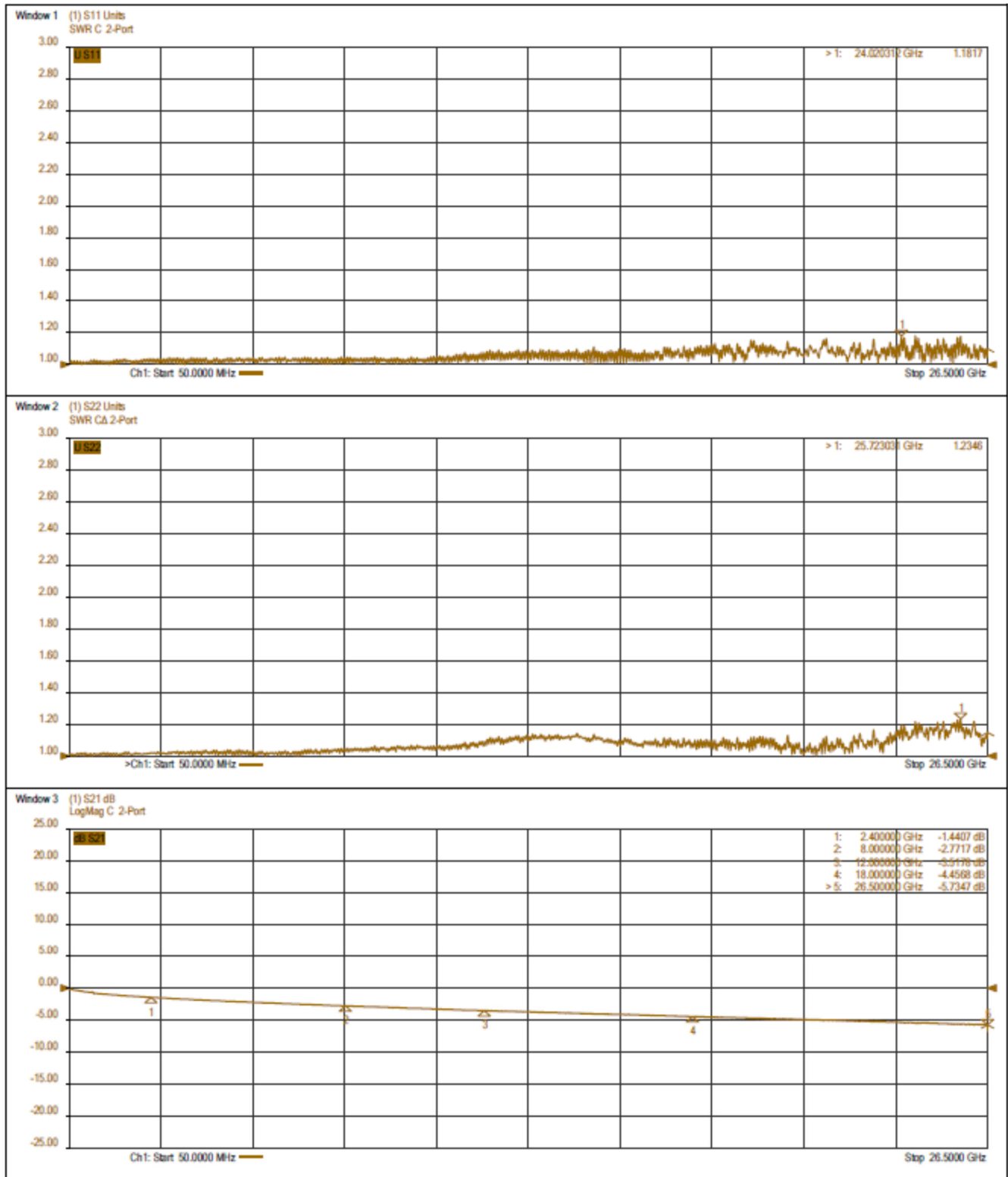
WC27 Raw Cable Electrical Specification												
Cut-Off Frequency	40GHz											
Frequency	0.3	1	2	6	8	10	12	16	18	26.5	40	GHz
Attenuation	37	69.3	100.3	183.7	216.4	246.1	273.7	324.4	348.2	440.8	570.87	dB/100m
Power	0.187	0.12	0.069	0.05	0.04	0.028	0.025	0.021	0.024	0.019	0.012	KW
Amplitude stability	±0.1 dB											
Phase Stability vs. Flexure	±10°											
Velocity of Propagation	70%											
Shielding Effectiveness	>-90dB											
Voltage Withstand	1500V											
Min. Bend Radius	14mm											
Repeated Bend Radius	28mm											
Impedance	50 ohm											
Times Delay	4.76Ns/M											
long flex life ,bending life cycle of the cable > 5000												

WC27 Raw Cable Mechanical / Material Specification		
Description	Material	Diameter
Center Conductor	Silver Plated Copper	0.51 mm
Dielectric	Low Density PTFE	1.63 mm
Outer Conductor	Silver Plated Copper Ribbon	1.79 mm
Outer Braid	Silver Plated Copper	2.16 mm
Jacket	FEP	2.80 mm

WC27 Raw Cable Environmental Specification	
Operating Temperature	-55 ~+125°C

Cable Assembly Specification	
26.5GHz WC27 Flexible Cable Assembly SMA(M)-SMP(F)	
Part No.	WCBA-WC27SM.SPFXXX
Frequency	26.5GHz (max.)
Connection 1	SMA Male
Connection 2	SMP Female
VSWR	1.35:1 (max.)
	Length $\leq 0.5\text{M}:1.45:1(\text{max.})$
Outline (Unit: Meters) Unless Otherwise Specified Linearity Tolerance: 100~200mm:±8mm >200mm:±1.5%	

Test Report



SMA(M)-SMP(F) 1.3M